TONGWEI

FOR BETTER LIFE

2025

Environmental, Social and Governance Report

& Sustainability Report

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Basis of Preparation

Report Introduction

This is the sixth Environmental, Social and Governance Report and Sustainability Report (hereinafter referred to as "the Report") issued by Tongwei Co., Ltd. to disclose and demonstrate its ESG performance and responses to important concerns of each stakeholder. The Report has been reviewed by the Board of Directors of the Company which is responsible for the authenticity and validity of the information contained herein.

Reporting Period

The period covered by the Report is from January 1, 2025 to December 31, 2025 unless otherwise specified. In order to guarantee the continuity, completeness, and comparability of the Report, some of the contents extend beyond the aforementioned timeframe and are explained in the Report.

Reporting Scope

This Report covers Tongwei Co., Ltd. and its subsidiaries and branches, which is identical to the scope of its consolidated financial statements.

Preparation Basis

The Report has been prepared with reference to the *Guidelines No.14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies — Sustainability Report (Trial)*, the *Guidance No.4 of Shanghai Stock Exchange Self-Regulation of Listed Companies — Preparation of Sustainability Reports (January 2026 Revision)*, the *Guidance No.13 of Shanghai Stock Exchange Self-Regulation of STAR Market Companies — Preparation of Sustainability Reports (January 2026 Revision)*, the *Sustainability Disclosure Standards for Business Enterprise — Basic Standards (Trial) and the Sustainability Disclosure Standards for Business Enterprise No. 1 — Climate (Trial)* issued by China's Ministry of Finance. It also references the Global Reporting Initiative Standards (GRI Standards) issued by the Global Sustainability Standards Board (GSSB), the *International Financial Reporting Standards Sustainability Disclosure Standard No.1 (IFRS S1) - General Requirements for Disclosure of Sustainability-related Financial Information and the International Financial Reporting Standards Sustainability Disclosure Standard No.2 (IFRS S2) - Climate-related Disclosures* issued by International Sustainability Standards Board (ISSB), the United Nations Sustainable Development Goals (UN SDGs), and the Ten Principles of the UN Global Compact.

Data Sources

All information and data used in the Report are sourced from the Company's formal documents and publicly disclosed documents. Any conflict between financial data referenced herein and financial data contained in the annual report shall be subject to the annual report. All the fund amounts in the Report are denominated in RMB unless otherwise stated.

Reporting Language

The Report is issued in both Chinese and English and any conflict between the understanding of the two versions shall be subject to the Chinese version.

Designations

In the Report, "Tongwei", "the Company", and "we" all refer to Tongwei Co., Ltd. For details of the other designations used in the Report, please refer to the Other Designations.

Release Form

The Report is issued electronically and available on the Sustainable Development module of the website of Tongwei (www.tongwei.cn) and the website of the Shanghai Stock Exchange (www.sse.com.cn).

Feedback from Readers

To enhance the Company's ESG management level, improve the quality of ESG information disclosure, and drive the Company to live the ESG concept, the Company sincerely seeks comments from reader (refer to "Reader Feedback"). Please send your opinions and comments to our email (twesg@tongwei.com).

Message from the Chairman

Tongwei Co., Ltd.
Chairman, CEO
Ms. Liu Shuqi

The year 2025 marks the final year of the "14th Five-Year Plan" and a crucial juncture as China advance towards a new stage of high-quality development. Amid an accelerating global energy transition intertwined with deep cyclical industry adjustments, Tongwei has confronted multiple challenges from market volatility and shifts in the industrial landscape. Driven by our "Together to Win" sustainability strategy, Tongwei has worked hand-in-hand with customers, suppliers, employees, and all sectors of society to strengthen the foundation of high-quality development through green and low-carbon transformation, collaborative industrial innovation, and value co-creation, responding to the call of our times with responsibility and opening up a sustainable future through win-win cooperation.

Over the past year, we remained deeply committed to the two pillar industries of green energy and green agriculture, further consolidating our global leadership advantages. Tongwei Solar's cumulative global shipments of solar cells surpassed 300 GW, and cumulative global shipments of Tongwei's high-efficiency modules exceeded 100 GW. The cumulative grid-connected capacity of our "Fishery & PV Integration mode" power stations surpassed 5 GW, while Tongwei Agriculture Development's self-operated sales volume and incremental growth both reached record highs. Our brand influence and sustainability performance have continued to rise, with the Company listed on the Fortune Global 500 for the third consecutive year, our brand value exceeding RMB 250 billion, and our top global position retaining in both the photovoltaic and aquatic feed industries. The *Company was also included in the S&P Global's The Sustainability Yearbook (China Edition) for two consecutive years, 2024 and 2025.*

We have taken compliance as our cornerstone to build a solid foundation for steady growth.

The Company has continuously strengthened our compliance management system by establishing the Tongwei Compliance Management Committee, further optimizing top-level design, and building a compliance defense line with full employee participation, whole-process coverage, and chain-wide coordination. We have also expanded the coverage of our compliance system, with operating revenue from ISO 37301 certified entities accounting for 72.57% of total operating revenue, providing a solid guarantee for the Company's stable development through more institutionalized, standardized, and systematic governance practices. Through our standardized operations and high-quality information disclosure, the Company has received the highest (Grade A) rating for information disclosure from the Shanghai Stock Exchange for five consecutive years, maintaining our business philosophy of transparency, standardization, and integrity.

We have taken innovation as our core driver to stimulate new quality productive forces.

In 2025, Tongwei Solar's Meishan Company was recognized as the first "Lighthouse Factory" in the global photovoltaic cell manufacturing sector, setting a new benchmark for smart manufacturing in the industry through its digital and intelligent development model. Leveraging the "Tongwei Cloud" global digital platform, Tongwei has achieved full cloud deployment of its core business systems, providing technological support for its global industrial layout. In the photovoltaics segment, our technological R&D remains at the forefront of the industry. Our independently developed TNC modules have set new power records for TOPCon dual-mainstream models five times, and THC modules have broken the world record for HJT module power nine times. In the agricultural development segment, we have led or participated in the formulation of seven national and industry standards, breaking through resource bottlenecks with advancements in biosynthesis and microalgae technology.

We have taken green development as our foundation to expand the boundaries of ecological protection.

In 2025, Tongwei officially became the first Chinese private enterprise to join the World Wide Fund for Nature (WWF) Arctic Programme, initiating a new exploration of integrating renewable energy development with biodiversity conservation. We have actively participated in global climate governance dialogues, appearing at the United Nations Climate Change Conference for the sixth consecutive time to showcase a Chinese photovoltaic enterprise's carbon reduction solutions and green practices. The Company has continued to advance full-lifecycle environmental management of our products, completing 56 product carbon footprint and environmental footprint assessments throughout the year and obtaining certifications under multiple international standards including IEC, EPD, and ISO 14067. We also took the lead in our domestic industry by becoming the first company to pass product water footprint verification under the ISO 14046:2014 standard, further demonstrating our green manufacturing capabilities across the entire value chain.

We are committed to a people-centric approach to jointly build a diverse and inclusive ecosystem.

We collaborated with 12 leading enterprises to launch the *Supply Chain ESG Stewardship Initiative (SCSI)*, aimed at building a sustainable, resilient, and competitive supply chain ecosystem. Tongwei, along with 23 other global PV leaders, jointly released the *Global Solar Sustainable Alliance (GSSA)* to address the environmental and social challenges arising from rapid industry growth and to promote sustainable development across the entire industrial chain. We also actively engage in rural revitalization and social welfare, with annual charitable contributions totaling RMB 4.2979 million, proactively fulfilling our social responsibilities and aligning corporate development with the creation of social value.

Looking ahead, sustainable development is not only an essential task of our era but also the definitive path for Tongwei to become a "world-class safe food supplier" and a "world-class clean energy operator". Tongwei will continue to uphold its sustainable development vision of "Winning Progress", "Winning Economy", "Winning People", and "Winning Environment". We will deepen technological innovation and industrial collaboration, strengthen our momentum for green development, and join hands with global partners to find opportunities amid challenges and co-create a green, low-carbon, and beautiful future!

About Tongwei

Introduction to Tongwei

Headquartered in Chengdu, Sichuan, Tongwei Co., Ltd. was established in 1995, is a large-scale private technology-based listed company controlled by Tongwei Group. It holds a leading position in the efficient synergy of green agriculture and green energy. Over the years, the Company has developed by leaps and bounds and has become a national key enterprise for agricultural industrialization, a major global producer of aquatic feed and high-purity polysilicon, and a leading manufacturer of high-purity crystalline silicon crystal cells worldwide. Currently, the Company has over 200 subsidiaries and branches globally, with more than 40,000 employees.

Based on the two main businesses, agriculture and new energy, Tongwei has created unique competitiveness from the "Fishery & PV Integration mode". For the future, it focuses on food safety and energy transition, two issues concerning the future of mankind, with the aim of becoming a "world-class safe food supplier" and a "world-class clean energy operator".

Originating in aquatic products, growing up in agriculture and animal husbandry, and expanding to the new energy sector, Tongwei always adheres to the real economy, practices the philosophy of serving the people with industry, never forgets our original ideals and aspirations, and continues to implement the dream of green development.

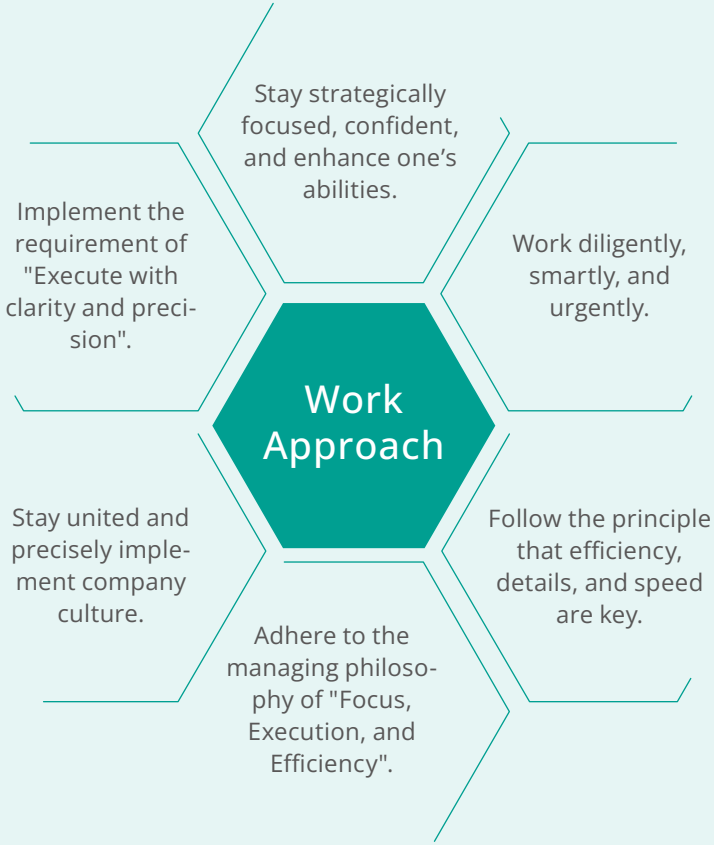
Company Culture

Vision | For Better Life

Purpose | Striving for Excellence and Contributing to Society

Management Philosophy

- **Honesty** — Being Sincere and Candid
- **Trust** — Winning Trust by Credibility
- **Fairness** — Running Business with Fairness and Legitimacy
- **Excellence** — Taking the lead with Guaranteed Excellence



Company Development Milestones

1982-2014

Unwavering in Our Mission, Strategizing the Green Industry

Year	Key Sustainability Achievements	Sustainability Goals
1982	○ Founder Mr. Liu Hanyuan invented the "Flow-Through Metal Cage Aquaculture Technology in Channels", setting a new record for fish production per unit area in Sichuan.	
1995	○ Tongwei was established.	
2002	○ We launched "Tongwei Fish", the first branded fish in China, in Chengdu.	
2004	○ Tongwei (stock code: 600438) successfully listed on the Shanghai Stock Exchange.	
2006	○ We entered the high-purity polysilicon business, marking our initial step into the PV sector.	
2007	○ The R&D Center of Tongwei was jointly recognized as a National Enterprise Technology Center (14th Batch) by the National Development and Reform Commission, the Ministry of Science and Technology, the Ministry of Finance, the General Administration of Customs, and the State Taxation Administration.	
2013	○ We officially ventured into high-efficiency crystalline silicon solar cell, reshaping the global PV development landscape.	
2014	○ Chairman Liu Hanyuan introduced the "Fishery & PV Integration System" green concept, launching our involvement in PV power station development.	

2015-2020

Strengthening Our Foundations, Anchoring a Low-carbon Course

Year	Key Sustainability Achievements	Sustainability Goals
2015	○ Tongwei's first "Fishery & PV Integration System" project was officially connected to the grid, achieving a historic breakthrough for the "Fishery & PV Integration System" development model. ○ Tongwei was approved by the National Development and Reform Commission to establish the National-Local Joint Engineering Laboratory for Aquatic Animal Disease Prevention and Control Technology.	
2016	○ We completed the integration of PV assets from Tongwei New Energy and Yongxiang, transitioning to a dual-main-business operational model in "agriculture and animal husbandry + PV". ○ Tongwei was named one of "China's 500 Most Valuable Brands', with its brand value exceeding RMB 40 billion.	

Year	Key Sustainability Achievements	Sustainability Goals
2017	○ Tongwei Solar's cell production capacity and output ranked first globally. ○ Tongwei Solar's world's first industry 4.0 high-efficiency cell production line was officially put into operation.	
2018	○ Tongwei Solar's PERC shingled module broke the world record for power output.	
2019	○ We established the world's first 10 GW high-efficiency solar cell production base.	
2020	○ Tongwei's market capitalization surpassed RMB 100 billion, making it the first company in both the global aquaculture and photovoltaics industries to achieve a brand value exceeding RMB 100 billion. ○ Ranked first globally in high-purity polysilicon production.	

2021-2023

Benchmarking Globally, Demonstrating Our Responsibility

Year	Key Sustainability Achievements	Sustainability Goals
2021	○ Tongwei Group joined the China Corporate Climate Action. ○ Tongwei participated in the UN Climate Change Conference (COP26) for the first time, presenting its low-carbon work plan, *Use of Vapor in High-Purity Silicon Production Process without Carbon Emission*.	
2022	○ Tongwei officially entered the module business, building vertically integrated competitiveness. ○ Became the largest listed private enterprise in Sichuan Province by market capitalization. ○ Put forward the internal control requirement of "Energy consumption on budget and energy development as planned".	
2023	○ Tongwei joined the United Nations Global Compact (UNGC), RE100, and the Corporation Carbon Neutral Action (CCNA). The Company also signed "UN Women's Empowerment Principles (WEPs)", the "Capacity Building Project for Sino-Africa Collaboration on Renewable Energy Development", and the *Intelligent Climate & Eco-Civilization Initiative*. ○ A subsidiary of Tongwei joined the Science Based Targets Initiative (SBTi). ○ Tongwei Dongying "Aquaculture-Photovoltaic Integration" Ecological Park has been selected by the World Resources Institute as the cover case for the COP28 "Photovoltaic + Agriculture" theme.	

2024-Present

Leading the Way, Creating a Better Future

Year	Key Sustainability Achievements	Sustainability Goals
2024	○ Tongwei was recognized by the United Nations Global Compact (UNGC) as one of the "20 Cases Examples of Private Sector's Sustainable Development in China for 20 Years", with its pioneering "Fishery & PV Integration" model. Tongwei is the sole photovoltaic materials manufacturer to be included in this distinguished selection. ○ Tongwei Global Innovation R&D Center was officially put into operation, marking a new phase of technological advancement. ○ Inclusion in the S&P Global Sustainability Yearbook (China Edition) 2024, with its ESG score ranking first in the Domestic Semiconductor and Semiconductor Equipment Industry.	
2025	○ Signed a cooperation agreement with the World Wide Fund for Nature (WWF), becoming the first Chinese private enterprise to join the WWF Arctic Programme. ○ Tongwei, along with 23 other leading global solar companies, released the *Global Solar Sustainable Alliance* (GSSA)[1]. ○ Tongwei joined the Global Solar Council (GSC), the IRENA Coalition for Action, and the Solar Stewardship Initiative (SSI). ○ Tongwei, together with 12 leading enterprises, launched the "Supply Chain ESG Stewardship Initiative" (SCSI)[2]. ○ Tongwei Solar's Meishan Company became the first "Lighthouse Factory" in the global photovoltaic cell manufacturing industry. ○ Three bases of Tongwei completed China's photovoltaics industry's first product water footprint verification.	

[1] The Global Solar Sustainable Alliance (GSSA) is an industry initiative jointly released on May 25, 2025, by 24 leading global photovoltaic-related enterprises at the first "Global Enterprises Jointly Building a High-Quality Belt and Road Summit". It aims to promote comprehensive progress in the environmental, social, and governance (ESG) performance across the entire industry chain and to contribute to global sustainable development.

[2] The "Supply Chain ESG Stewardship Initiative (SCSI)" is a voluntary supply chain ESG management action framework initiated on June 13, 2025, by Tongwei in cooperation with 12 other leading enterprises. It aims to promote the establishment of a scientific, transparent, and collaborative supply chain environmental, social, and governance (ESG) assessment standards system.

Business Layout

Tongwei develops a coordinated development mode with the integration of resources from photovoltaics and agriculture, and is committed to providing the whole society with green and healthy and safe food with clean energy that have you assured.

PV Industry

Our PV business mainly consists of the production of high-purity polycrystalline silicon, high-efficiency solar cells and modules and PV clean electricity. Currently, we have built a vertically integrated industry chain, spanning from the production of high-purity polycrystalline silicon (upstream), production of high-efficiency solar cells and modules (midstream), and construction and operation of PV power stations (downstream), with leading scale, technology, cost and quality advantages, and the intent to become a world-class clean energy operator.

Production of High-purity Polysilicon

Tongwei Yongxiang has an intelligent manufacturing line that has a large single scale, low comprehensive energy consumption, a new integration of technologies and high quality. Currently, the annual capacity for high-purity polycrystalline silicon is approximately 900,000 tons.

Production of High-efficiency Solar Cells and Modules

Tongwei Solar now has solar cell and module production bases all over the country. Currently the Company can produce over 150GW of solar cells and approximately 90GW of modules.

Construction and Operation of PV Power Stations

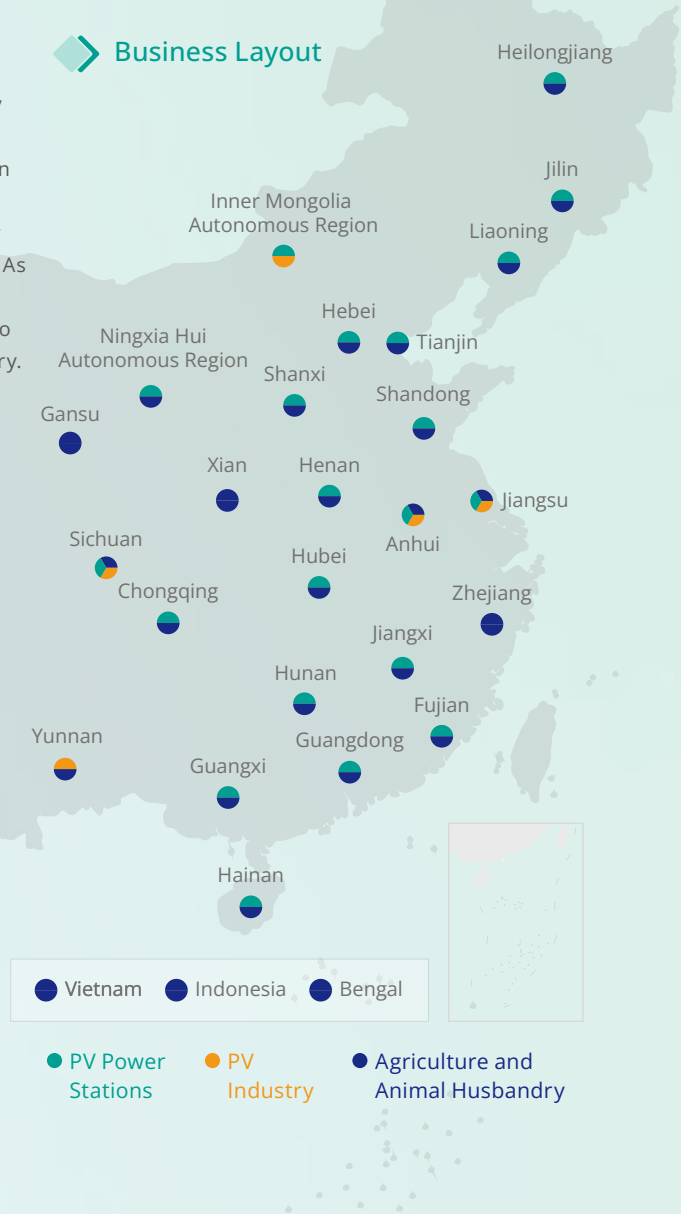
Construction and Operation of PV Power Stations: Tongwei New Energy has constructed 56 power stations based on Fishery & PV Integration in over 20 provinces and cities in China, with a cumulative grid connection of 5.11GW by the end of this reporting period, an annual electricity settlement of 4.916 billion kWh in 2025 and a carbon emission reduction of 3.2275 million tons.

Agriculture and Animal Husbandry Industry

The Company's agriculture and animal husbandry industry primarily focuses on the research, production, and sale of aquatic feed and livestock and poultry feed, adhering to parallel development of green aquaculture and food processing, building a safe, healthy, and traceable modern green agricultural and animal husbandry industry chain, and committing to becoming a world-class safe food supplier. As of the end of the reporting period, the Company's annual feed production capacity exceeded 13 million tons, and it has continued to maintain its international leading position in the aquatic feed industry.

Feed Industry	In terms of the feed business, the Company is engaged in research, production and sale of aquaculture feeds, and livestock and poultry feeds.
Intelligent Aquaculture	The Company maintains an intelligent aquaculture mode where all processes are digit-driven, precise, automatic and environment-friendly.
Food Processing	The Company performs the entire process food quality monitoring from the source to table and enhances the value and competitiveness of the modern aquaculture chain.
Sales Terminal	The Company strives to build the first fish brand "Tongwei Fish" in China, and realize "one code for one fish" and the traceability of the whole feeding process, with an aim to provide consumers with healthy and safe high-quality food.

Business Layout



Tongwei Data

Environmental Performance

Environmental investment
RMB 1.118 billion

Product carbon footprint certificates and EPD
56 certificates

Percentage of recycled water
Over 98 %

Percentage of renewable electricity usage
61.37 %

Year-on-year decrease in Scope 1, 2, and 3 carbon emissions
9.33 %

Year-on-year decrease in wastewater pollutant emissions
28.80 %

Year-on-year decrease in total hazardous waste emissions
25.65 %

Social Performance

R&D expenses
RMB 2.207 billion

Year-on-year increase in number of newly authorized patents
57.00 %

Percentage of primary raw material suppliers in the PV manufacturing sector signing social responsibil+ity commitments
100 %

Percentage of primary raw and auxiliary material suppliers in the PV manufacturing sector signing conflict minerals procurement commitments
100 %

Total investment in rural revitalization
RMB 25.3628 million

Total investment in philanthropy and charity
RMB 4.2979 million

Customer satisfaction
96.15 %

Governance Performance

Percentage of female directors
44.44 %

Percentage of independent directors
33.33 %

Number of business ethics audits
104 times

Internal supervision and audit issue resolution rate
100 %

Number of litigation cases resulting from the fight against unfair competition
0 case

Number of ISO 37301 compliance management system certifications
8 certificates

Percentage of total revenue from ISO 37301-certified entities
72.57 %

Participation in International Initiatives

United Nations Global Compact	Tongwei joined the United Nations Global Compact (UNGC)
RE100 CLIMATE GROUP	Tongwei joined the RE100
In support of WOMEN'S EMPOWERMENT PRINCIPLES Established by UN Women and the UN Global Compact Office	Tongwei signed the UN Women's Empower+ment Principles (WEPs)
IFRS INTERNATIONAL FINANCIAL REPORTING STANDARDS	Tongwei joined the "ISSB International Sustainability Disclosure Standards Early Learner Partner Program"
WORLD ECONOMIC FORUM	Tongwei joined the World Economic Forum (WEF)
SCIENCE BASED TARGETS	A subsidiary of Tongwei joined the Science Based Targets initiative (SBTi)
IRENA coalition FOR ACTION	Tongwei joined the International Renewable Energy Agency Coalition for Action
SCSI Supply Chain ESG Stewardship Initiative	Tongwei co-launched the "Supply Chain ESG Stewardship Initiative (SCSI)"
SOLAR STEWARDSHIP INITIATIVE	Tongwei joined the "Solar Stewardship Initiative (SSI)"
GLOBAL SOLAR SUSTAINABLE ALLIANCE	Tongwei together with leading photovoltaic enterprises, released the *Global Solar Sustainable Alliance* (GSSA)
China ESG Alliance	Tongwei joined the China ESG Alliance

- Tongwei participated in the initiation and signed the *Digital Ecological Civilization International Climate Action Initiative*
- Tongwei co-initiated the "China Renewable Energy Enterprise Empowerment Africa Co-creation Plan"
- Tongwei participated in the initiation and signed the "Pollution Reduction and Carbon Emission Reduction Synergy Empowerment Plan" initiative

Topic One

Partners with the World Wide Fund for Nature (WWF), Tongwei Explores a Win-win Path for Renewable Energy and Ecology

As a key force in China's green energy sector, Tongwei upholds the vision of "For Better Life" and continues to promote the deep integration of green energy and ecological protection. As an “amplifier” of global climate change, the stability of the Arctic ecosystem is crucial to global climate security and biodiversity.

In 2025, Tongwei partnered with WWF to officially launch the "Arctic Protection and Renewable Energy (RE) Development Cooperation Project", becoming the first Chinese private enterprise to join the WWF Arctic Programme. The two parties will focus on building the resilience of the Arctic ecosystem, engaging in in-depth cooperation on biodiversity conservation, sustainable community development, and scientific monitoring through resource investment and technology empowerment, and exploring a substantive path for photovoltaic enterprises to participate in global climate governance.

“北极保护与可再生能源（RE）开发合作项目”启动会

01 Building a Line of Defense for Ecological Resilience

To address habitat loss caused by melting sea ice, Tongwei provides key support for WWF's ongoing conservation efforts in critical ecological corridors and "multi-year sea ice" areas. By maintaining habitat integrity, this work enhances the Arctic biosphere's resilience to climate change and mitigates the impact of polar ecological changes on the global system.

02 Empowering Scientific Monitoring with Technology

To address insufficient polar protection data, the two parties are collaborating to develop professional data monitoring tools and scientific decision-making systems. By establish+ ing a long-term digital monitoring system, they are driving the transformation of conser+ vation actions from "experience-driven" to "data-driven", ensuring that every ecological protection action can be accurately recorded, quantitatively assessed, and continuously optimized, thereby accumulating high-value primary data assets for global polar scientific research.

03 Driving Energy Transition in Polar Communities

The project is dedicated to promoting a more sustainable "human-Arctic ecosystem" coexistence mechanism. Tongwei is introducing the application potential of renewable energy to polar community development, exploring the feasibility of replacing traditional fossil fuels with clean energy, reducing community carbon emissions and minimizing human interference in fragile ecosystems, thereby achieving a synergistic win-win for indigenous community development and ecological protection.

Topic Two

Tongwei Solar's Meishan Company—the First "Lighthouse Factory" in Global PV Cell Manufacturing

Currently, the manufacturing industry is in a critical phase of high-end, intelligent, and green transformation, where the deep integration of new-generation information technology and photovoltaic manufacturing is propelling the industry's leap from "manufacturing" to "intelligent manufacturing". As a leading enterprise in the global crystalline silicon cell sector, Tongwei has deeply embedded sustainable development into its corporate DNA, forming systematic advantages in product reliability, delivery certainty, and full-lifecycle costs through the large-scale application of technologies including the industrial internet, big data, and artificial intelligence, thereby turning the concept of "producing green energy with green energy" from a vision into practice.

As a demonstration enterprise for "digital manufacturing" and "Industry 4.0", Tongwei Solar (Meishan) Co., Ltd. has achieved breakthrough results in photoelectric conversion efficiency, process stability, and sustainable development with over 50 fourth industrial revolution (4IR) application scenarios. Digital transformation has driven a 12% increase in photoelectric conversion efficiency, a 41% reduction in production defect rates, a 37% decrease in conversion costs, and a 33% reduction in carbon dioxide emissions. On September 16, 2025, the Company was honored with the title of the first "Lighthouse Factory" in global PV cell manufacturing, becoming an important engine for leading the industry in enhancing quality and efficiency and driving technological innovation and brand value.

Tongwei Solar (Meishan) Co., Ltd. Smart Manufacturing Workshop

Fully Automated Production Line

From the input of silicon wafers to the output of the final high-efficiency crystalline silicon cell, the entire process is seamlessly connected by intelligent robots, AGVs, and automated equipment, achieving a high level of intelligent manufacturing.

Tongwei Solar (Meishan) Co., Ltd. S4 Digital Intelligence Hub

Industrial Internet Brain

Technologies including 5G, artificial intelligence, and big data are deeply integrated with production and manufacturing to collect and analyze massive amounts of data in real time, enabling precise decision-making and predictive maintenance to ensure every cell meets top-quality standards.

The “Lighthouse Factory” Helps Tongwei Advance Towards Becoming a World-class Enterprise

Green Manufacturing Model

Artificial intelligence, big data, and the industrial internet are deeply integrated into the entire production process. Machine learning optimizes processes, intelligent algorithms identify defects, and generative AI enables predictive equipment maintenance, building an intelligent closed-loop system spanning "perception-decision-execution". This not only significantly improves photoelectric conversion efficiency and reduces defect rates and costs but also effectively lowers carbon dioxide emissions. On this basis, the factory uses digitalization as its core to achieve synergistic optimization of energy and production, upgrading green manufacturing from traditional end-of-pipe treatment to a data-driven, full-process, refined management model. By using clean electricity, recycling water resources, and optimizing energy management, the factory achieves systematic synergy in "enhancing efficiency, reducing consumption, and cutting emissions", serving as a prime example of the deep integration of intelligent and green manufacturing and fully demonstrating the benchmark path for the photovoltaic industry to support the low-carbon transition with advanced intelligent manufacturing technology.

Topic Three

Anchoring Green Development—Building a Benchmark for Photovoltaic Sustainable Supply Chains

In the context of the global energy transition and dual carbon goals, the sustainability of the supply chain in the photovoltaic industry, a core sector of green energy, has become a key competitiveness for high-quality corporate development.

In 2025, Tongwei built a full-link management system, implemented low-carbon circular initiatives, and advanced supply chain digital transformation, establishing a new paradigm for sustainable supply chain management that is compliant, controllable, green, low-carbon, digitally collaborative, and ecologically win-win, fully unleashing the synergistic value of an integrated industrial chain and further strengthening the foundation for high-quality development as a leading global photovoltaic enterprise.

01 Full-link ESG Governance, Building a Sustainable Supply Chain Ecosystem

Guided by a sustainable development strategy, the Company deeply embeds ESG principles into the entire lifecycle of its supply chain management. Relying on the *Sustainable Supply Chain Management Measures*, we have constructed a multi-dimensional sustainable supply chain management system supported by "policies, reports, actions, initiatives, certifications, and honors". By continuously improving the supplier ESG audit system and establishing a monthly tracking and evaluation mechanism, the Company steadily promotes the enhancement of suppliers' ESG capabilities.

In November 2025, Tongwei successfully hosted its first Global Supply Chain Co-creating and Win-win Eco-partner Conference, where it co-launched a sustainable supply chain initiative for the PV sector with 12 leading enterprises, guiding the entire industry chain to practice green and low-carbon development concepts and jointly build an environmentally friendly, efficient, and collaborative sustainable supply chain system.

02 Comprehensive Digitalization Empowerment, Advancing Supply Chain Management into a New Era

In 2025, the digital transformation of Tongwei's supply chain entered its 2.0 phase, achieving direct system connections with suppliers, rigid access standards, automatic risk warnings, and automated strategy execution by creating an integrated, intelligent supply chain management platform. Supported by AI and other cutting-edge technologies, the Company innovatively launched the "Supplier Smart Q&A Assistant", the "Supplier Smart Profile Assistant", and the "Supplier Smart Risk Control Assistant". Among these, the "Supplier Smart Risk Control Assistant" won two awards from DTinsight: the "2025 Excellent Solution for Digital Intelligence Innovation" and the "2025 Benchmark Case for Digital Intelligence Innovation", becoming a prime example of supply chain digital transformation.

03 Full Value Chain Carbon Footprint Management, Creating a Benchmark for a Low-carbon PV Supply Chain

Taking carbon footprint management as a core measure for sustainable supply chain development, the Company conducted special investigations into carbon accounting and emission reduction target planning for suppliers in five key PV categories, building a solid data foundation for a supply chain emission reduction empowerment platform. We also vigorously promoted the use of low-carbon materials and increased the proportion of local procurement, effectively reducing logistics-related carbon emissions. As of the end of the reporting period, low-carbon qualified suppliers accounted for 62% of procurement at the East China module base, reducing Scope 3 carbon emissions by 41,127.30 tons of CO_2 equivalent. The localization ratio of aluminum frame procurement at the Jintang base reached 66%, reducing Scope 3 carbon emissions by 4,704.51 tons of CO_2 equivalent.

04 Refined Water Footprint Management, Fortifying the Defense Line for Water Environment Governance

Tongwei deeply integrates water footprint management with climate change response, promoting efficient water resource utilization and sustainable development throughout the supply chain. In supplier management, water consumption and wastewater treatment compliance are incorporated as core ESG audit indicators. For suppliers of high-water-consumption raw materials, the Company encourages them to optimize production processes and increase water recycling rates. Also, in its own operations and supply chain collaboration, Tongwei promotes water-saving production models, integrating water footprint management into procurement, production, and logistics, to continuously strengthen water use management across the entire chain and solidify the foundation of ecological and environmental protection with refined water footprint management.

05 Winning Major Awards with Strength, Demonstrating Benchmark Industry Value

In recognition of its systematic practices and outstanding results in sustainable supply chain development, Tongwei received two major honors in September 2025: the "Supply Chain Responsibility Case" award and the "Top 10 ESG Cases" award from China Times. In December 2025, the Company also won the "2025 Influential Case of Chinese Enterprise Sustainable Supply Chain" award, jointly presented by People's Daily Overseas Edition and the All-China Environment Federation, fully demonstrating Tongwei's benchmark value in sustainable supply chains.

Sustainable Develpo-ment Management

Tongwei unswervingly implements the “Together to Win” sustainability strategy. Centered on three sustainability missions and four sustainability visions, the Company continuously refines its nine sustainability management systems across the three dimensions of “Strategy-Stewardship-Solution”. This approach promotes the transformation of sustainability from an ideological concept into a capacity for systematic governance and value creation, thereby constantly enhancing the Company's internal drive for long-term, steady growth and its industry influence. At the same time, we actively listen to the voices of our stakeholders and respond to demands for ESG audits and information disclosure concerning our operations, supply chain, and consumer end with a responsible corporate image. The Company is committed to making its sustainable development practices quantifiable and traceable, working with all partners to create a better future.

Sustainable Development Management System

Tongwei continues to optimize its nine sustainability management systems across the three dimensions of “Strategy-Stewardship-Solution”. This ensures comprehensive integration from strategic guidance to management assurance and on-the-ground action. Strategy (Mission and Vision, Commitment, Target and Metric) provides direction, Management (Governance, Standard, Institution) builds a solid foundation, and Action (Certification, Training, Disclosure) consolidates the management loop. This enhances the Company's resilience in facing sustainability challenges and allows it to co-create a sustainable future with all stakeholders.

Tongwei's 3S Sustainable Development Management System

Strategy

System	Content
Mission and Vision System	4 sustainable development visions
Commitment System	14 sustainability commitments
Metric and Target System	Over 30 short-, medium-, and long-term sustainability targets and corresponding metrics

Stewardship

System	Content
Governance System	3-tier sustainability governance structure, covering decision-making, management, and execution levels
Standard System	Sustainability standards for 3 major segments, including action, disclo sure, and evaluation dimensions
Institutional System	Over 50 sustainable development management policies

Solution

System	Content
Certification System	Over 10 authoritative international standard certifications
Training System	6 major categories of specialized ESG training
Disclosure System	“1+1+N” information disclosure system

Mission and Vision System

In 2025, Tongwei continued to advance the implementation of its "Together to Win" sustainable development strategy. Guided by our four sustainability visions, "Winning Environment, Winning People, Winning Economy, and Winning Progress", we focus on six pillars, including governance, environment, customers, employees, supply chain partners, and society. The Company collaborates with upstream and downstream partners across the global value chain to promote the "Together to Win - Global Sustainable Partner Co-construction Initiative". This initiative drives the fulfillment of our three sustainability missions, including "Build Together", "Govern Together", and "Share Together", fostering a community of harmonious development, achieving steady growth, and creating long-term value that transcends business.

Winning Environment

- Environment

Committed to green and low-carbon development, achieving a harmonious symbiosis between business development and environmental protection, and continuously sharing a beautiful ecological environment

Winning Economy

- Society

Committed to Public Welfare: Delivering social value to local communities,advancing social equity, and improving environmental sustainability to create a better home for all

- Customers

Innovation-driven Collaboration: Partnering with our customers to foster economic vitality and work together towards a greener future

Winning People

- Employees

People-centric Commitment: Focusing on collective growth with our employees, cultivating an inclusive and healthy work environment for everyone

- Supply Chain

Mutual Benefit and Trust: Partnering with supply chain stakeholders to co-create a resilient and green eco-industrial chain

Winning Progress

- Governance

Continuously improving the level of corporate sustainability governance, participating in global ESG governance, and strengthening operational resilience

Together to Win

Metric and Target System

Tongwei translates its sustainable development strategy into quantifiable and manageable targets and metrics. Centered on the three pillars of environment, society, and governance, the Company has systematically formulated over 30 short-, medium-, and long-term targets, which constitute its sustainability targets system. The Company's ESG Management Committee leads the development of an ESG metrics system and annually updates the *Manual for Using Tongwei Co., Ltd. Environmental, Social and Governance (ESG) Indicator System*. With over 300 sustainability metrics, this system provides a solid foundation for the standardized disclosure and progress tracking of the Company's sustainability information.

Progress of Tongwei's Sustainability Targets

Completed | In Progress | Behind Schedule

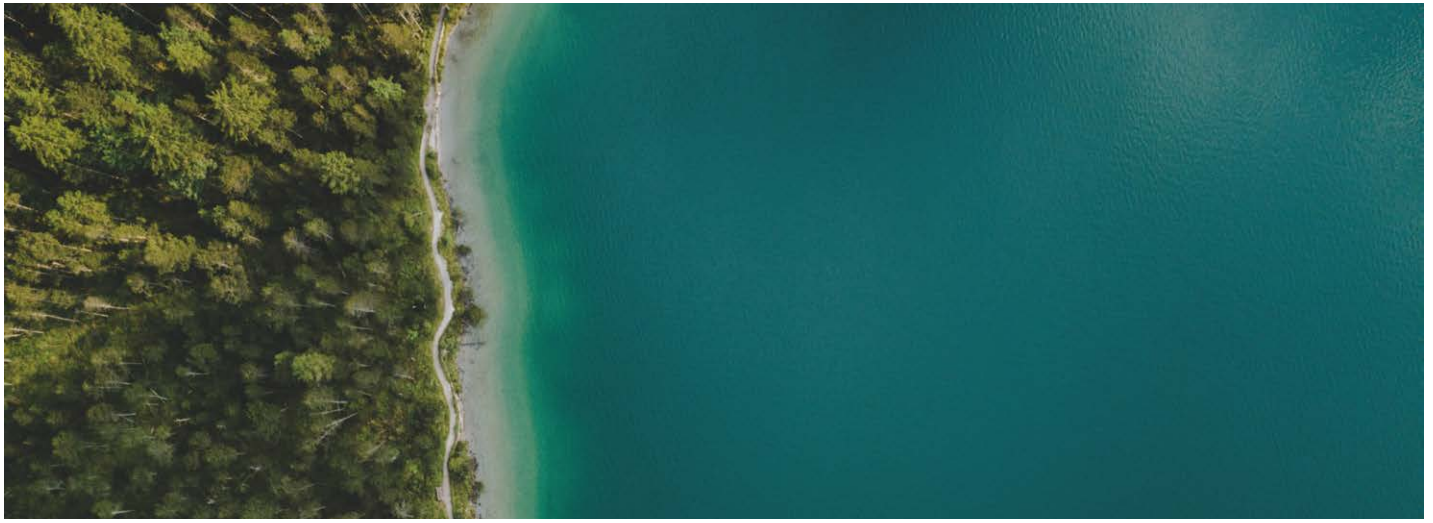
ESG issue		Management Approach	Development Target		2025 Progress
Winning Environment	Response to Climate Change	To reduce GHG emissions	Current	Strive to reduce carbon emission intensity by 19.5% by 2025 compared to 2020	✓
			Medium-term	Strive to achieve carbon neutrality at the operating level by 2030 Strive to achieve a 55.8% reduction in Scope 3 carbon emission intensity (Scope 3 emissions of greenhouse gases from purchased goods and services, upstream goods and service transportation emissions per MW of photovoltaic products produced) by 2030, with 2023 as the base year Strive to achieve a 50% reduction in greenhouse gas emissions across the entire value chain by 2035, with 2023 as the base year	→
			Long-term	To achieve carbon neutrality across the entire value chain no later than 2050	→
	Energy Management	To optimize energy consumption structure	Medium-term	Strive to achieve 100% usage of renewable electricity by 2030	→
	Water Stewardship	To address water scarcity challenges	Current	The Company's water conservation target for 2025 is 3.096 million tons	✓
			Short-term	The Company's water conservation target for 2026 is 4.02 million tons	→
	Waste Disposal	To reduce waste emissions	Current	To achieve 100% harmless treatment rate for hazardous waste by 2025	✓

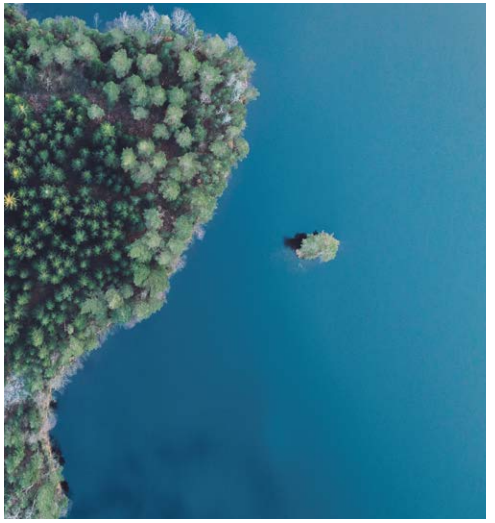
Completed In Progress Behind Schedule

ESG issue		Management Approach	Development Target		2025 Progress
	Biodiversity	To manage biodiversity risks	Current	To complete biodiversity risk and impact assessments for key production bases in the PV and agricultural industry chains	✓
			Short-term	To disclose biodiversity management information for the first time in 2026 in accordance with TNFD recommendations, and maintain a reporting frequency of at least once per year thereafter	→
Winning People	Occupational Health and Safety	To build a healthy and safe working environment	Current	Zero major fire incidents annually 100% annual safety training coverage 100% annual on-time rectification rate for safety hazards 100% annual emergency drill completion rate	✓
	Sustainable Supply Chain Management	To manage supply chain ESG risks	Current	100% of suppliers sign an integrity commitment annually 100% annual signing rate of compliance commitment letters by major raw material suppliers in the PV manufacturing segment 100% annual signing rate of social responsibility commitment letters by major raw material suppliers in the PV manufacturing segment	✓
			Short-term	100% annual ESG risk identification and assessment for major raw material suppliers in the PV manufacturing segment 100% on-site audit rate for core suppliers of major raw materials in the PV manufacturing segment by the end of 2026	→
			Medium-term	100% annual coverage for conflict minerals procurement compliance surveys for suppliers of raw materials containing 3TG metals (tin, tantalum, tungsten, and gold)	→
Winning Economy	Product and Service Safety and Quality	To ensure product quality and safety	Current	100% of products are qualified upon factory release annually Zero quality and safety incidents annually	✓
		To enhance customer experience	Current	100% annual user complaint handling rate	✓

Completed | In Progress | Behind Schedule

ESG issue		Management Approach	Development Target		2025 Progress
Winning Progress	Corporate Governance	To promote diversification of the Board of Directors	Current	○ No less than 30% female representation on the Board of Directors	✓
	Anti-commercial Bribery and Anti-corruption	To adhere to business ethics	Current	○ 100% annual coverage for the company's internal anti-corruption audits ○ 100% annual anti-corruption training coverage for employees in key positions	✓
	Compliance Management	To improve the Company's compliance management standards	Current	○ Zero administrative penalties for violations of laws, regulations, or industry standards ○ Losses (fines, compensation, etc.) resulting from compliance risks < 50 million ○ Zero compliance risk incidents involving violations of integrity or legal operations	✓
	Risk Management	To manage the Company's risks	Current	○ Zero major risks throughout the year	✓





Governance System

Sustainability Governance Structure

Tongwei has established a three-tiered sustainability governance structure comprising "Decision-making Level, Management Level, and Execution Level". The Board of Directors and its subordinate Strategic & Sustainable Development Committee serve as the highest decision-making body, while the ESG Management Committee and the ESG Management Working Group are responsible for the overall coordination and promotion of sustainability work. All functional departments and business entities deeply integrate the identification, assessment, and management of risks and opportunities related to specific sustainability issues into their daily operations, promoting cross-functional and cross-sectoral collaboration in sustainable development management throughout the Company. This ensures that the concept of sustainable development is firmly embedded at all levels and in all business segments, providing a solid governance guarantee for strategy implementation. Guided by the *ESG Management Measures* as its core policy, the Company continuously improves its ESG institutional system, strengthens compliance management and process control, and ensures that all sustainable development management activities are well-documented, effectively executed, and have their risks controlled.

Decision-making Level

Board of Directors

- Make decisions on and supervise sustainable development matters, and provide guidance for the Company's strategic deployment for sustainable development
- Review, approve and update sustainable development guidelines, policies, strategic objectives and plans
- Review and discuss annual sustainability reports and significant sustainable development matters

Strategic & Sustainable Development Committee

- Research the Company's sustainable development matters, and provide advice accordingly
- Authorize the ESG Management Committee to carry out specific tasks

Core Operation Management

- Get to know the progress of sustainable development matters every month, solve the key and difficult problems in sustainable development, and provide decision support for sustainable development in each operation link

Management Level

ESG Management Committee

- Led by the Company's Chairman, with 8 core managers as members
- Regularly report the progress of sustainable development matters to the Board and core management
- Determine the significance of sustainable development matters and take them into business consideration
- Review the Company's sustainable development policies, strategies, regulations and specifications
- Supervise the implementation of sustainable development strategies

ESG Management Working Group

- Regularly report on management and performance to the ESG Management Committee, communicates decisions from the Board of Directors, and mobilizes all departments to implement the sustainable development strategy
- Identify the impacts, risks, and opportunities of various sustainability topics, improve relevant management processes, and promote the formulation of sustainable development plans and goals.
- Clarify responsible departments, and organizes and coordinates various departments to carry out sustainable development practices.
- Organize stakeholder communication, integrate resources to promote cross-business cooperation, and foster a sustainable business ecosystem

Execution Level

Sustainable Development Team

- Issue Impact, Risk, and Opportunity Assessment: Identify sustainability issues involved in the Company's operations and development, using quantitative and qualitative tools to scientifically assess the social and financial impacts, related risks, and opportunities of these issues, and formulating a reasonable sustainable risk management plan
- Capacity Building: Organize specialized sustainability training for management and employees, mobilizing internal and external resources to develop sustainability training courses, conducting comprehensive outreach, and advancing the Company's innovation in the field of sustainable development
- Benchmarking Analysis: Benchmark against leading global sustainability standards, conduct gap analyses against peer companies, dynamically reflecting on and summarizing the Company's current situation, and provide professional support, response strategies, and solutions
- Standardization: Formulate the Company's sustainability indicator system in accordance with domestic and international sustainability information disclosure principles, and clarify the scope and requirements for information and data reporting
- Information Disclosure: Prepare and publish the sustainability reports, ensuring the authenticity, accuracy, and timeliness of the Company's sustainability information disclosure

ESG Representatives from All Functional Departments at Headquarters

- Participate in setting the Company's sustainable development goals and planning its roadmap
- Carry out special initiatives to enhance sustainable development and implement the Company's sustainability strategy
- Conduct daily management of the impacts, risks, and opportunities of specific sustainable development issues, and promptly compile and report on the progress of actions taken

ESG Management Working Groups of Each Operating Entity

- The Company's six major business segments have established dedicated energy management centers or cross-departmental working groups based on their respective business characteristics
- Participate in setting the Company's sustainable development goals and planning its roadmap
- Implement sustainable development practices in each segment and carry out the Company's sustainability strategy
- Conduct daily management of the impacts, risks, and opportunities of specific sustainable development issues, and promptly compile and report on the progress of actions taken

Sustainability Reporting Mechanism

Tongwei adheres to the working principle of "Dynamic Identification, Rapid Response, and Resilient Development" and has established a rolling sustainability reporting mechanism. The Company regularly organizes sustainability analysis meetings for various departments and business segments and provides periodic reports to the Board of Directors and core management. At the same time, we continuously update and optimize our sustainable development management strategy based on the Company's development needs, achieving "Timely Adaptation and Moderate Proaction" in response to new internal and external demands to ensure sustained resilience and foresight in our development.

On the 5th of each month

The ESG Management Committee reports to the members of the Board of Directors and the core management level

Main Reporting Contents

- Measures for improving and enhancing sustainable development work
- Problems and difficulties that require coordination and resolution by the management
- Work plans and arrangements for the next month

On the 20th of each month

The ESG Management Working Group organizes and holds regular meetings on sustainable development analysis and improvement

Main Contents of Regular Meetings

- Measures for improving and enhancing sustainable development work
- Problems and difficulties that require coordination and resolution by the management
- Work arrangement for the next stage

On the 30th of each month

The ESG Management Working Group reports to the members of the ESG Management Committee

Main Reporting Contents

- Results of data collection, statistics, and analysis
- Identification and assessment of major sustainable development impacts, risks and opportunities
- Planning and suggestions for sustainable development improvement actions

Tongwei's Conference Proceedings on Sustainable Development		Items Deliberated at Meetings				
		Advancement of Goals and Tasks	Institutional System Construction	Work Bottleneck Resolution	Key Performance Evaluation	Improvement Actions and Planning
Meeting Type	Meetings of the Board and Core Management	✓	✓	✓	○	○
	Briefings of ESG Management Committee	○	✓	✓	○	○
	ESG Management Working Group's Regular Sustainable Development Analysis and Enhancement Meetings	○	○	✓	✓	✓

Tongwei's Sustainable Development Reporting Mechanism

Sustainable Development-related Honors and Awards

2025 ESG Honors and Awards

01.03
China Energy Listed Companies ESG 50 List

01.22
China Enterprise ESG "Golden Responsibility Award" - Best Environmental (E) Responsibility Award

02.27
China Enterprise Confederation 2024 Excellent Practice Case for Green and Low-carbon Development

05.13
Included in the S&P Global *Sustainability Yearbook (China Edition) 2025*

06.11
2025 Global New Energy ESG Top 100 List

06.30
BSI Sustainability Performance Award

06.28
2024-2025 Forbes China Sustainable Development Industrial Enterprises

06.18
Featured in *Steady Progress, Lasting Success: China Corporate ESG Leaders Report 2025*

06.16
2025 *Fortune* China ESG Influence List (3rd Consecutive Year)

06.13
2025 ESG Model Enterprise

06.30
BSI Standards Pioneer Award

06.30
2024 Sichuan ESG Benchmark Enterprise

07.18
2025 ESG Model Enterprise Award

07.18
China Supplier ESG Rating (Large Enterprise) - Five-star Outstanding

07.28
2025 Top 10 in PV Green Supply Chain Action

09.22
2025 Huaxia ESG Management System Conference "Top 10 ESG Practice Cases"

09.22
2025 Huaxia ESG Management System Conference "Supply Chain Responsibility Case"

09.06
2025 "Zero-carbon Earth · Sprout Award"

08.12
Xinhuanet 2025 Practice Case for Green and Low-carbon Empowerment of High-quality Development

07.28
2025 Top 10 in PV Climate Action

10.24
Annual ESG Pioneer in Clean Energy and Technological Innovation

10.25
China ESG Listed Companies Pioneer 100 (2025)

10.31
2025 Cailian Press Zhiyuan Award "Environmentally Friendly (E) Pioneer Enterprise Award"

11.18
Southern Weekly Annual Climate Action Pioneer Enterprise

11.19
Featured in *Compilation of Best Practices in Sustainable Development for Listed Companies (2025)* of China Association for Public Companies

2026.4.14
Selected for the S&P Global *Sustainability Yearbook (China Edition) 2026*

12.19
Sichuan Corporate Social Responsibility (CSR) Outstanding Case

12.17
2025 China Corporate Sustainable Supply Chain Impact Case

12.06
Huxiu 2025 Sustainable Brand Model List - ESG Disclosure Award

11.26
2025 Securities Market Weekly "Golden Dawn ESG Practice Award"

2025 Mainstream Rating Performance

S&P Global

S&P Global Corporate Sustainability Assessment

2025	2024	2023
61 Score	57 Score	53 Score

ecovadis

EcoVadis Sustainability Rating
(Tongwei Solar (Hefei) Co., Ltd.)

2025	2024	2023
Gold Medal 83 Score	Gold Medal 78 Score	Silver Medal 67 Score

Wind ESG

Wind ESG Rating

2025	2024	2023
AA Grade	AA Grade	A Grade

CDP

CDP Rating

Climate Change

2025	2024	2023
B Grade	B Grade	B Grade

Water Security

2025	2024	2023
B Grade	B Grade	-

Supplier Engagement Assessment

2025	2024	2023
A Grade	A- Grade	B Grade

Stakeholder Communication

Tongwei has always regarded the opinions and demands of its stakeholders as the cornerstone for the Company's sustainable development decisions. In 2025, the Company continued to expand its diverse channels for stakeholder communication, fully listening and proactively responding to their concerns and expectations. The Company systematically identifies key factors affecting stakeholders, scientifically assesses the impact of different factors on each stakeholder group, and adjusts its communication strategies and the priority of material issues in a timely manner, ensuring that resource allocation and operational decisions effectively balance the interests of multiple parties to achieve a mutually beneficial and win-win development landscape.

In 2025, Tongwei conducted 242 sustainability-related engagement activities with various stakeholders, covering key topics such as sustainability governance structure, carbon emission management, water resources management, supply chain management, occupational health and safety, conflict minerals procurement, and business ethics, including:

Customer Communication Activities	Bank and Investor Communication Activities	Corporate and Industry Association Communication Activities
167	19	56

Stakeholders	Focus Issues	Primary Communication Channels	2025 Communication Highlights
Governmental Bodies and Regulators	• Corporate Governance • Compliant Operation • Anti-commercial Bribery and Anti-corruption • Anti-unfair Competition • Product and Service Safety and Quality • Environmental Compliance Management • Employees' Rights and Interests Protection • ESG Management • Due Diligence • Stakeholder Engagement	• Supervision and inspection • Meetings andengagement • Policy recommendations • Information disclosure, etc.	• Participated in the 30th UN Climate Change Conference (COP30) to explore innovative pathways for renewable energy • Participated in the “First Global Corporate Summit on Jointly Building a High-quality ‘Belt and Road’ ”, co-hosted by the United Nations Global Compact (UNGC) and other organizations • Liu Hanyuan, a deputy to the National People's Congress and Chairman of the Board of Directors of Tongwei Group, submitted several proposals, including “Increasing Support for the Overseas Expansion of the ‘New Three’ ” and “Accelerating the Construction of a New Power System” • Signed a strategic cooperation agreement with the Patent Examination Cooperation Sichuan Center of the Patent Office, China National Intellectual Property Administration

Stakeholders	Focus Issues	Primary Communication Channels	2025 Communication Highlights
Shareholders and Investors	• Corporate Governance • Compliant Operation • Risk Management • Anti-commercial Bribery and Anti-corruption • Anti-unfair Competition • ESG Management • Stakeholder Engagement • Clean Technology Opportunities • Environmental Compliance Management • Energy Management • Innovation-driven Development	• Shareholders' meetings • Performance briefings • Financial reports • Sustainability reports • Interim announcements on major events • SSE e-interactive platform • Routine investor meetings, conference calls, roadshows, reverse roadshows, etc.	• Held 1 shareholders'meeting, with anattendance rate of 52% • Held 320 investor communication events, including 140 strategy meetings, 106 online meetings and reverse roadshows, 74 onsite investor visits, and 3 earnings briefings; the response rate to telephone and online inquiries from small and medium-sized investors was 96.03% • Responded to 846 investor inquiries via email, telephone, and the SSE E-interactive Platform
Employees	• Employees' Rights and Interests Protection • Equality and Diversity • Employee Training and Development • Occupational Health and Safety • Digital Transformation • Data Security and Customer Privacy Protection • Social Contribution • Corporate Governance • Compliant Operation • Risk Management • Anti-commercial Bribery and Anti-corruption • Stakeholder Engagement	• Employee representatives' meetings • Employee forums • Employee satisfaction surveys • Employee grievance channels • Employee training • Employee recreational and sports activities • Occupational health examinations • “Employee Care and Mutual Aid Fund”, etc.	• Held 1 employee representatives'meeting • The average participation rate in employee satisfaction surveys was 95%, with an overall employee satisfaction rate of 95%

Stakeholders	Focus Issues	Primary Communication Channels	2025 Communication Highlights
Suppliers	• Sustainable Supply Chain Management • Supply Chain Security • Data Security and Customer Privacy Protection • Product and Service Safety and Quality • Digital Transformation • Corporate Governance • Compliant Operation • Risk Management • Anti-commercial Bribery and Anti-corruption • Anti-unfair Competition • Due Diligence • Stakeholder Engagement • Response to Climate Change	• Supplier training • Supplier audits • On-site investigations and visits • Strategic partnership negotiations • Industry exhibitions, conference communications, etc.	• Jointly launched the “Supply Chain ESG Management Initiative” with 12 leading enterprises • Convened the 2025 Tongwei Inaugural Global Supply Chain Eco-partner Conference for Co-creation and Mutual Success • Conducted 214 supplier ESG training sessions, totaling 942 participations
Customers	• Product and Service Safety and Quality • Data Security and Customer Privacy Protection • Corporate Governance • Compliant Operation • Risk Management • Anti-commercial Bribery and Anti-corruption • Anti-unfair Competition • ESG Management • Due Diligence • Environmental Compliance Management • Clean Technology Opportunities • Green Manufacturing • Pollutant Emissions • Waste Disposal • Response to Climate Change • Circular Economy • Innovation-driven Development • Digital Transformation • Sustainable Supply Chain Management • Supply Chain Security • Stakeholder Engagement	• After-sales product service • Customer satisfaction surveys • Online or on-site customer surveys • National service hotline • New product launches, product exhibitions, etc.	• 167 customer communication events • 17 product and service complaints in the PV sector, with a 100% resolution rate • 63 product and service complaints in the agriculture andanimal husbandrysector, with a 100% resolution rate

Stakeholders	Focus Issues	Primary Communication Channels	2025 Communication Highlights
Sustainable Development Experts	• Response to Climate Change • Pollutant Emissions • Product and Service Safety and Quality • Compliant Operation • Stakeholder Engagement	• Industry conferences and forums • Standard-setting seminars • Academic research activities, etc.	• Became the world's first chinese private enterprise to join the WWF Arctic Protection Program • Participated in sustainabilityexchange meetings,in-cluding the "Belt andRoad" Green Brand Overseas Expansion Initiative (Arab RegionProject Promotion Conference and the 2025 Green Changemakers Conference • Co-edited and published standards including the *Greenhouse gas management systems—Requirements* (GB/T 46566-2025), *Requirements for Low Carbon Evaluation of Photovoltaic Modules Export Product* (WM/T 19-2025), *Green Product Assessment—Photovol-taic Modules and Inverters* (GB/T 46340-2025), and *Energy Management Systems—Guidance for Implement-ing a Common Energy Management System in Multiple Organizations* (GB/T 46562-2025)
Media and Industry Associations	• ESG Management • Anti-commercial Bribery and Anti-corruption • Stakeholder Engagement • Sustainable Supply Chain Management • Supply Chain Security • Product and Service Safety and Quality • Innovation-driven Development • Digital Transformation • Social Contribution • Clean Technology Opportunities	• Press conferences • Exclusive interview receptions • Information disclosure, etc.	• Joined the Solar Stewardship Initiative (SSI) • Jointly issued the industry sustainable development initiative with leading photovoltaic companies • Participated in industry exchange activities such as Intersolar Europe 2025 in Munich, Germany, the 18th SNEC International Photovoltaic Power Generation and Smart Energy Conference & Exhibition in Shanghai, the 8th China International PV and Energy Storage Industry Conference 2025, and the World Future Energy Summit & Exhibition 2025 in the Middle East

Stakeholders	Focus Issues	Primary Communication Channels	2025 Communication Highlights
Local Communities and Charity Organizations	• Social Contribution • Rural Revitalization • Pollutant Emissions • Waste Disposal • Environmental Compliance Management • Ecosystem and Biodiversity Conservation • Green Manufacturing • Energy Management • Water Stewardship • Circular Economy • Equality and Diversification • ESG Management • Stakeholder Engagement	• Community activity participation • Volunteer activities • Public welfare projects, etc.	• Launched public welfare activities on the plateau, such as the “Tongwei Sunshine Student Aid Program” and the “Sunset Warm Nest Program” to assist students and the elderly • Visited people in need, implementing the “Dual Reporting and Dual Service” initiative for party members to provide in-home services • Donated solar-powered portable charging lanterns to address emergency power supply challenges on the plateau

Joining Hands with Value Partners to Build a Sustainable Future

Tongwei is firmly committed to contributing to global ecological civilization, deeply integrating the concept of a community with a shared future for mankind into its corporate development. In the past year, guided by the philosophy of "Together to Win", we have deeply connected with value chain partners through multi-dimensional value narratives and omnichannel dialogues. We have forged global consensus through collaboration, contributed to social development through empowerment, and worked hand-in-hand with all stakeholders to build a symbiotic, win-win, and sustainable future.

Participated in the Carbon Neutrality and Green Investment Conference at the 2025 China International Import Expo

Jointly Issued the Industry Sustainability Development Initiative with Leading Photovoltaic Companies

Participated in the 21st Century New Energy & New Quality Green Energy Development Forum

Participated in the "Belt and Road" Green Brand Overseas Initiative (Arab Region) Project Promotion Conference

Participated in the "Impact·Era" Sustainable Development Innovation Annual Conference

Participated in the 30th Conference of the Parties (COP30) to the UNFCCC

Participated in the World Future Energy Summit & Exhibition 2025 in the Middle East

Participated in the 2025 Green Changemakers Conference

Assessment of Double Materiality Issues

Anchored in its industry characteristics and value chain positioning, Tongwei deeply embeds stakeholder concerns into its sustainability work. The Company has established a systematic and procedural mechanism for identifying and assessing double materiality issues, providing a scientific basis for managing sustainability risks and opportunities.

The Company conducts in-depth analyses of national policies and industry trends. Each year, in accordance with the latest domestic and international disclosure standards such as the *Guidelines NO.14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies - Sustainability Report (Trial)* and the *Shanghai Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 4 - Preparation of Sustainability Reports (Revised in January 2026)*, and the GRI Standards, the Company identifies and evaluates the impacts of 30 sustainability issues on its finances and on the economy, environment, and society through a combination of qualitative and quantitative survey analyses. The results of the ESG issue assessment are reviewed and approved by the Board of Directors, and this report provides a focused response to the 6 identified sustainability issues of double materiality, ensuring that sustainability considerations are deeply integrated into the Company's strategic decisions and daily operations.

Identification Method and Process for Double Materiality Issues

According to the Shanghai Stock Exchange *Self-Regulatory Guidelines for Listed Companies No. 4 — Preparation of Sustainability Reports (Revised in January 2026)*, the Company's double materiality assessment and disclosure primarily consist of the following four steps:

Step 1

Understand the context of the Company's activities and business relationships

- Understand the company's activities and business relationships
- Understand the external objective environment
- Understand the key affected stakeholders

Step 2

Identify impacts, risks, and opportunities related to sustainable development issues

- Based on the 21 Issues in the *Guidance No. 4 of Shanghai Stock Exchange for Self-Regulation of Listed companies-Preparation of Sustainability Report (January 2026 Revision)*, we identify other potential material issues
- Identify the impacts, risks, and opportunities related to the issues, and compile a list of issues for the Company

Step 3

Assess and confirm the materiality of sustainability Issues

- Conduct the impact materiality assessment
- Conduct the financial materiality assessment
- Integrate the results of impact and financial materiality

Step 4

Use analysis results to guide sustainability reporting and practice

- In accordance with the requirements of the Shanghai Stock Exchange's Sustainability Reporting Guidelines, this report focuses on disclosing the management and actions related to double materiality issues

Identification and Assessment of Double Materiality Issues

Information Disclosure

Step 1: Understand the Company's Activities and Business Context

Tongwei conducted a deep analysis of its operating environment and sustainability context by fully considering the following six categories of factors:

01 Sustainability Information Disclosure Standards

- Ministry of Finance, *Corporate Sustainability Disclosure Standards - Basic Standards (Trial)*
- *Guidelines NO.14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies - Sustainability Report (Trial)* and the *Guidance No. 4 of Shanghai Stock Exchange for Self-Regulation of Listed companies-Preparation of Sustainability Report (January 2026 Revision)*
- *Environmental, Social and Governance Reporting Code of the Hong Kong Exchanges and Clearing Limited*
- Global Reporting Initiative Standards (GRI Standards)
- International Sustainability Standards Board (ISSB), *IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information* and *IFRS S2 Climate-related Disclosures*
- Sustainability Accounting Standards Board (SASB) Standards
- Task Force on Climate-related Financial Disclosures (TCFD) Recommendations
- Task Force on Nature-related Financial Disclosures (TNFD) Framework, etc

02 ESG Rating Requirements

- MSCI ESG Ratings
- S&P Global Corporate Sustainability Assessment
- EcoVadis Corporate Social Responsibility Rating
- Wind ESG Rating
- CDP Ratings, etc

03 International Sustainable Development Initiatives

- United Nations Sustainable Development Goals (UN SDGs)
- The Ten Principles of the UN Global Compact
- Science Based Targets Initiative (SBTi)
- RE100 (Renewable Energy 100%) Initiative
- Responsible Business Alliance (RBA) Code of Conduct
- OECD *Due Diligence Guidance for Responsible Business Conduct*, etc

04 China's Economic and Macroeconomic Policy Trends

- The Outline of the 14th Five-year Plan and Long-range Objectives through the Year 2035
- China's "3060" Carbon Peaking and Carbon Neutrality Goals
- *Opinions on Accelerating the Comprehensive Green Transformation of Economic and Social Development*
- *Action Plan for Green and Low-carbon Development of the Manufacturing Industry (2025–2027)*
- *Standard Conditions for Photovoltaic Manufacturing Industry (2024 Edition)*
- *Guiding Opinion on the Comprehensive Greening of Agricultural Development for Rural Ecological Revitalisation, etc*

05 Demands from Upstream and Downstream of the Value Chain

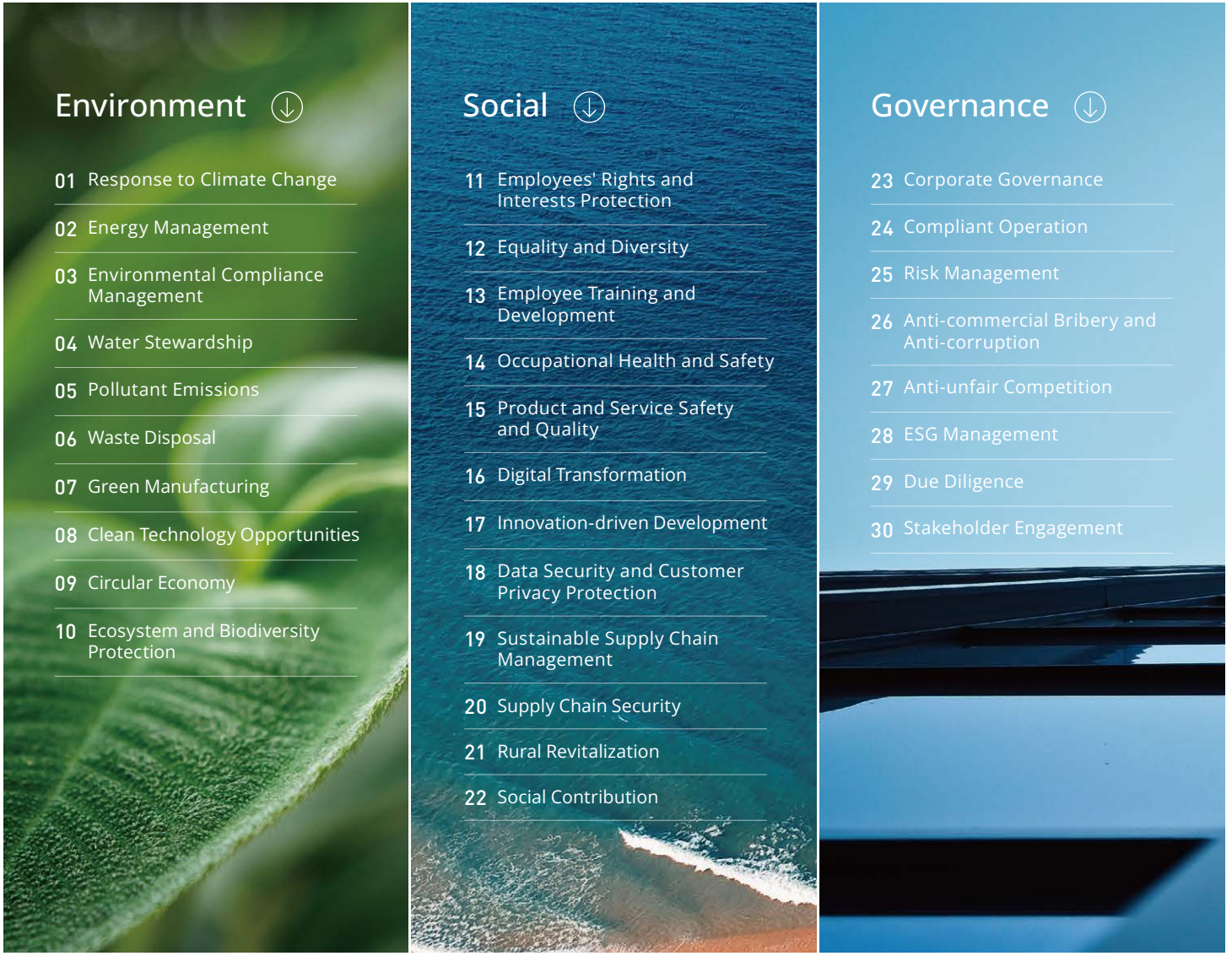
- Formulating and optimizing esg management processes and standards for the supply chain helps Tongwei and its suppliers enhance the resilience and competitiveness of the industrial chain
- Increasing the supply of renewable energy and promoting product technology R&D, manufacturing, and sales can create more decent employment opportunities and make greater economic contributions to local communities
- Consumer preferences for sustainable products are becoming increasingly significant, with customers imposing more detailed requirements on ecological and environmental attributes such as product carbon and water footprints, etc

06 The Company's Sustainable Development Needs

- "Together to Win" Sustainable Development Strategy
- Three sustainable development missions
- Four sustainable development visions
- The 3S Sustainable Development Management System
- *ESG Management Measures*
- *Sustainable Supply Chain Management Measures, etc*

Factors Considered in Identifying Sustainability Issues

Using the list of issues from the *Shanghai Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 4-Preparation of Sustainability Reports (Revised in January 2026)* as a foundation, the Company systematically reviews recent macroeconomic policies and industry hotspots. It conducts a comprehensive benchmarking against policy requirements, the *HKEX ESG reporting code*, international sustainability information disclosure standards, mainstream ESG ratings, and leading sustainability practices among peers. After careful analysis and deep integration with its strategic planning and business realities, the Company has formulated its 2025 list of sustainability issues.



Tongwei's 2025 List of Sustainability Issues

Step 2: Identifying Sustainability-related Impacts, Risks, and Opportunities

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
01 Response to Climate Change	Positive Impacts	The Company's main business segments, including crystalline silicon, solar cells, and modules, contribute to global efforts to control temperature rise; the Company's implementation of carbon reduction management and enhanced capacity to cope with extreme weather help reduce environmental pressures on production and operations, thereby improving production stability; and its green, low-carbon products meet the carbon footprint compliance requirements of global customers, promoting the development of a green and low-carbon industrial chain.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating revenue • Increase asset impairment losses
	Negative Impacts	Insufficient investment in emissions reduction, inadequate climate change mitigation and adaptation measures, or a slowdown in the low-carbon transition and resilience-building of the Company and its industrial chain.				
	Risks	Extreme weather may disrupt the production and transportation of raw materials and products, damage assets, and increase maintenance and insurance costs; if the low-carbon transition lags, failing to meet customer preferences and market demands will lead to customer loss, a decline in operating revenue, and the risk of inventory impairment.				
	Opportu-nities	Innovation in low-carbon technologies and products can enhance market competitiveness, increase product premiums to boost operating revenue, and reduce the Company's operating and capital expenditures through green financing; energy-saving and consumption-reducing technological upgrades can lower operating and capital expenditures related to energy use; and participation in carbon trading, relevant standard-setting, and policy exchange activities will strengthen the Company's brand influence and industry voice.				
02 Energy Management	Positive Impacts	Optimizing the energy structure and improving energy efficiency contribute to a continuous decrease in the Company's energy consumption per unit of product; increasing the proportion of green electricity effectively reduces the carbon footprint and establishes a benchmark image for green manufacturing.	• Own Operations	• Shareholders and Investors • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating expenses • Decrease non-operating expenses
	Negative Impacts	Lagging energy-saving technological upgrades or insufficient use of green electricity will increase carbon emission intensity and energy consumption levels; increasingly strict domestic dual-control policies for energy consumption add to the Company's operational pressure and compliance risks, increasing the energy load and environmental pressure in its operating locations.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
	Risks	Fluctuations in energy prices and the tightening of the carbon trading mechanism could increase operating expenses; failure to meet energy efficiency standards will lead to compliance risks such as regulatory penalties, while also weakening the competitiveness of the Company's products, affecting market share, and reducing operating revenue.				
	Opportunities	Energy-saving technological upgrades and increasing the proportion of green electricity consumption help the Company achieve a stable, low-cost energy supply; advantages in green manufacturing assist the Company in obtaining low-cost green financing.				
03 Environmental Compliance Management	Positive Impacts	A comprehensive environmental compliance management system ensures operations comply with regulations, eliminates environmental violations, reduces environmental compliance risks, and enhances the benefits of green operations.	• Own Operations • Downstream Value Chain	• Shareholders and Investors • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase non-operating expenses
	Negative Impacts	Inadequate compliance management could lead to emissions that exceed standards or violate regulations, damaging the surrounding ecological environment, threatening the health and safety of communities and the public, and triggering public complaints and a crisis of social trust.				
	Risks	Lapses in environmental management will lead to risks of production suspension for rectification and legal Litigation, eroding investor confidence. This not only causes direct financial losses and impairment of reputational assets but also drives up financing costs due to a downgrade in ESG ratings.				
	Opportunities	A sound environmental compliance system can promote resource optimization and technological innovation, meeting international market access thresholds for green production; by reducing energy consumption and waste disposal costs in product manufacturing, the Company can secure product premiums and attract ESG capital.				
04 Water Stewardship	Positive Impacts	The compliant use and efficient recycling of water resources significantly reduce water consumption per unit of output and lower operating costs; by reducing freshwater intake and wastewater discharge, the Company effectively alleviates water stress in its operating locations, protecting water demand for the surrounding ecosystem and community health.	• Own Operations	• Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase operating expenses • Increase non-operating expenses
	Negative Impacts	Inadequate water resources management could lead to over-extraction or discharge exceeding standards, exacerbating surrounding aquatic ecological risks, threatening aquatic biodiversity, and harming community water safety and public health.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
	Risks	The Company's production processes are highly dependent on water resources, and management lapses could lead to operational restrictions in water-scarce areas and the risk of environmental penalties, resulting in increased costs for emergency water abstraction, production capacity losses, and higher operating expenses.				
	Opportunities	Establishing a full life-cycle water resources management system allows the Company to optimize its water use structure through water-saving technological upgrades and reclaimed water reuse, thereby reducing overall water costs.				
05 Pollutant Emissions	Positive Impacts	Full life-cycle management of pollutants enables the continuous reduction of wastewater, waste gas, and solid waste, effectively reducing the burden on ecosystems and communities, protecting surrounding ecosystems and biodiversity, and safeguarding community environmental health and residents' quality of life.	• Own Operations • Downstream Value Chain	• Customers • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating expenses • Decrease non-operating expenses
	Negative Impacts	Inadequate pollutant management leading to emissions exceeding standards or improper disposal of solid waste will increase the burden on surrounding soil, water, and air environments, endanger ecosystem balance and public health, and trigger community complaints and social trust risks.				
	Risks	Lapses in emissions management will lead to risks of environmental penalties, production restrictions, and even litigation, causing direct financial losses, capital constraints, and increased financing costs, which will affect the Company's reputation and operational stability.				
	Opportunities	Improving waste recycling and utilization efficiency and pollutant emission reduction levels can reduce end-of-pipe disposal costs, generate revenue from resource recovery, and help avoid potential expenses from administrative penalties and fines; meeting the green market access requirements of international customers allows the Company to gain a competitive advantage and increase operating revenue.				
06 Waste Disposal	Positive Impacts	Implementing full life-cycle management of waste to achieve reduction, resource recovery, and harmless treatment reduces the environmental load, protects the safety of soil and groundwater environments, and ensures the balance of surrounding ecosystems and community health.	• Own Operations • Downstream Value Chain	• Customers • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating expenses • Decrease Non-Operating Expenses
	Negative Impacts	Inadequate waste sorting and disposal, leading to hazardous waste being mixed with general solid waste or to illegal dumping, will exacerbate the risk of soil and groundwater contamination, damage the regional ecological environment, and threaten the health, safety, and social trust of surrounding communities.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
	Risks	Lapses in waste management will lead to environmental penalties, production restrictions for rectification, and even legal Litigation, which will damage the Company's reputation and investor confidence, cause direct financial losses, increased financing costs, and impairment of brand assets, and affect long-term operational stability.				
	Opportunities	Enhancing the efficiency of waste recovery and utilization, as well as the level of resource conversion, reduces end-of-life disposal costs and the need for raw material procurement. This generates revenue from resource-based products and secures a competitive market advantage.				
07 Green Manufacturing	Positive Impacts	Green manufacturing achieves energy efficiency improvements and resource recycling, effectively reducing carbon emissions and resource consumption per unit of product. This mitigates the effects of climate change, protects natural resources and ecosystems, lessens the environmental burden of waste, and supports a society-wide green and low-carbon transformation.	• Own Operations • Downstream Value Chain	• Customers • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase operating revenue
	Negative Impacts	If the promotion of green manufacturing is ineffective, leading to high energy consumption and carbon emissions per unit of product, it will exacerbate the effects of climate change, increase regional environmental loads and ecological pressure, and hinder the progress of a society-wide green and low-carbon transformation.				
	Risks	A lag in green transformation will lead to facing supply chain elimination mechanisms and carbon footprint disclosure requirements from leading domestic and international customers. This could result in lost orders, diminished brand value, and increased financing costs, thereby constraining overseas market expansion and long-term development.				
	Opportunities	Advancing the development of the “Lighthouse Factory” and “Fishery & PV Integration” projects helps build an intelligent green manufacturing system. This achieves energy savings, consumption reduction, and low-carbon product innovation, captures a share of the high-end global market, facilitates access to low-cost green finance, and enhances asset value and capital valuation.				
08 Clean Technology Opportunities	Positive Impacts	Leading technologies such as TOPCon and HBC enable the mass production of high-efficiency cells, continuously reducing the levelized cost of electricity and carbon intensity, and supporting the global transition to a clean energy structure. Low-carbon products meet the carbon compliance requirements of international customers, helping downstream customers achieve their carbon neutrality goals and advancing the process of greenhouse gas reduction across society.	• Own Operations • Downstream Value Chain	• Shareholders and Investors • Customers	○ Short-term ◉ Medium-term ◉ Long-term	• Increase operating revenue

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
	Negative Impacts	If research and development in clean technology lag, causing the efficiency of solar cells and the carbon footprint of products like modules to fall behind the industry forefront, it will inadequately support the global demand for renewable energy. This would slow the global energy transition process and limit the effectiveness of industry chain actions in response to climate change.				
	Risks	The research, development, and commercial application of new technologies involve uncertainties. If the technological path deviates or mass production yields fall short of expectations, market windows will be missed, leading to R&D sunk costs, losses from idle capacity, and market opportunity costs, which in turn restrict long-term capital returns.				
	Opportunities	Proactively deploying cutting-edge technologies like HJT and perovskite/silicon tandem cells helps build a differentiated product matrix and a protective moat of patents. This enables access to favorable green finance, enhances capital valuation, and secures a leading position in the next technology cycle.				
09 Circular Economy	Positive Impacts	By practicing the principles of a circular economy, the Company reduces waste emissions and resource consumption throughout the product life cycle, lessens the load on the ecological environment, and enhances the recognition of the Company's green responsibility among communities and customers.			○ Short-term ◉ Medium-term ◉ Long-term	• Increase operating revenue • Decreased operating expenditure
	Negative Impacts	If recycling and reuse technologies for photovoltaic products are inadequate, it will increase the environmental load from discarded modules, adding to the burden on soil and communities. Improper application of recycled materials and technologies could also reduce product performance and lifespan, affecting the rights and interests of end-users.				
	Risks	Fluctuations in raw material supply, rising disposal costs, and increased difficulty in process adaptation may lead to higher production costs and longer investment payback periods, adversely affecting financial performance.				
	Opportunities	The recycling and remanufacturing of end-of-life modules create new revenue streams, meet customer demands for low-carbon procurement, and enhance market competitiveness and long-term profitability.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
10 Ecosystem and Biodiversity Protection	Positive Impacts	By protecting ecosystems and biodiversity, the Company can reduce the disruption its operations cause to the natural environment, maintain regional ecological balance and the safety of biological habitats, enhance community environmental well-being, and strengthen its image of green responsibility.	• Own Operations	• Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase non-operating expenditure
	Negative Impacts	If ecological protection measures are inadequate, they could undermine the stability of local ecosystems and the integrity of biological habitats, or have irreversible negative effects on biodiversity and the community's living environment.				
	Risks	Failure to effectively manage ecological and biodiversity impacts or non-compliance with relevant laws and regulations could trigger regulatory penalties and public pressure, leading to reputational damage and potential financial losses.				
	Opportunities	Undertaking biodiversity protection, ecological restoration, and capacity-building activities helps to enhance the Company's green image, strengthen its sustainable development competitiveness, and gain recognition from stakeholders.				
11 Employees' Rights and Interests Protection	Positive Impacts	Protecting the legitimate rights and interests of employees builds harmonious and stable labor relations and a fair and just workplace environment, promoting local employment and the well-being of employees' families.	• Own Operations	• Employees	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease administrative expenses • Decrease non-operating expenses
	Negative Impacts	Inadequate protection of employee rights and interests may intensify labor disputes, leading to decreased employee motivation, increased employee turnover, and potential labor disputes.				
	Risks	Labor disputes, employee turnover, and legal litigation will lead to increased recruitment and training costs, decreased production efficiency, and risks of regulatory penalties and downgrades in ESG ratings.				
	Opportunities	Actively conducting ESG audits to identify the Company's labor compliance shortcomings, ensuring that labor risks are controllable and avoiding compliance costs such as related administrative penalties.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
12 Equality and Diversity	Positive Impacts	An equal, diverse, and inclusive work environment stimulates employees' sense of belonging and innovative vitality, promotes cross-cultural cooperation and knowledge sharing, and enhances the Company's image as a responsible employer and its social recognition.	• Own Operations	• Employees • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease administrative expenses • Decrease non-operating expenses
	Negative Impacts	The absence of equal opportunities and diversity mechanisms may reduce employee motivation and innovation, intensify labor relations, and harm workers' rights and community employment fairness.				
	Risks	Incidents of labor discrimination will expose the Company to legal litigation and regulatory penalties, increase compliance expenditures such as compensation and administrative fines, lead to downgrades in ESG ratings, drive up financing costs, and affect the stability of overseas customer orders.				
	Opportunities	Building an inclusive culture attracts high-level talent, enhances employee engagement and production efficiency, reduces talent retention costs, meets the social responsibility audit requirements of global customers, and strengthens long-term profitability.				
13 Employee Training and Development	Positive Impacts	The Company provides systematic employee training and career development planning, enhancing employees' skill levels and job competency, increasing opportunities for promotion, engagement, and satisfaction, and cultivating high-quality talent for the industry.	• Own Operations	• Employees	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease administrative expenses • Decrease non-operating expenses
	Negative Impacts	If training and development mechanisms are inadequate, employees' skill enhancement will be limited and career prospects unclear, which may lead to decreased employee motivation and talent loss, affecting family income stability and the industry's talent supply.				
	Risks	Lagging human capital management leads to the loss of core talent and a disconnect in the talent pipeline, resulting in increased recruitment and replacement costs, diminished management capabilities, and an impact on long-term operational stability and profitability.				
	Opportunities	Increasing investment in employee development to cultivate high-quality core talent, enhance team cohesion and innovation, and improve production efficiency and product quality.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
14 Occupational Health and Safety	Positive Impacts	A comprehensive Occupational Health & Safety management system can effectively reduce the incidence of work-related injuries and occupational diseases, safeguard the physical and mental health of employees, enhance family well-being and social stability, and increase the Company's attractiveness as an employer.	• Own Operations	• Employees	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease administrative expenses • Decrease asset impairment losses
	Negative Impacts	If occupational health and safety management is lacking, employees face risks of accidents and health damage, causing anxiety among their families and drawing public concern, thereby harming the Company's working environment and its image as a responsible employer.				
	Risks	Lapses in safety management leading to employee casualties will result in expenditures for work-related injury compensation, losses from production line interruptions, and damage to brand reputation that drives up financing costs, severely impacting financial stability.				
	Opportunities	Strong occupational health performance consolidates human capital advantages, reduces recruitment and training costs associated with personnel turnover, and enhances the continuity and stability of production and operations.				
15 Product and Service Safety and Quality	Positive Impacts	Providing high-quality products and services and strictly controlling quality effectively protect the rights and interests of customers and consumers, enhance usage safety and satisfaction, and earn market trust and social recognition.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating revenue • Increase non-operating expenses
	Negative Impacts	If product and service quality management is inadequate, it may lead to product flaws or service defects, triggering customer complaints and infringement of rights, thereby harming the customer experience and industry trust.				
	Risks	Product safety or quality incidents may trigger customer complaints, legal liabilities, and recall costs, leading to brand reputation damage and operational losses, increasing the risk of compensation expenses and loss of market share, and affecting financial stability.				
	Opportunities	Continuously optimizing product and service quality management and raising technical standards reduces after-sales dispute costs, enhances customer loyalty and market competitiveness, and secures long-term order premiums and stable revenue growth.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
16 Digital Transformation	Positive Impacts	Digital technology integrated throughout the entire process of R&D, production, and operations ensures reliable product quality and efficient delivery, enhancing the customer service experience; intelligent systems optimize workflows and the work environment, improving operational efficiency.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Suppliers • Employees • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating expenses
	Negative Impacts	Insufficient investment in digital transformation or system failures could lead to production fluctuations and delivery delays, affecting customer trust; employees face pressure to update their skills and experience inefficient workflows, increasing their workload and safety risks.				
	Risks	Disruptions to digital systems or data security vulnerabilities could trigger information leaks concerning the Company, suppliers, and customers, as well as production stoppages, leading to legal litigation compensation, loss of orders, and damage to brand reputation, and increasing operational recovery costs and the risk of regulatory penalties.				
	Opportunities	The in-depth application of smart manufacturing and industrial internet platforms enhances total factor productivity and flexible manufacturing capabilities, reduces unit manufacturing costs and energy consumption, improves customer response speed and supply chain collaboration efficiency, thereby achieving cost reduction and efficiency improvement.				
17 Innovation-driven Development	Positive Impacts	By increasing R&D investment, fostering technological innovation, and engaging in industry-academia-research cooperation, the Company provides customers with lower-cost, higher-efficiency, and higher-quality products and solutions, contributing to society-wide carbon reduction and energy transition, and leading technological upgrades in the industry.	• Own Operations • Downstream Value Chain	• Shareholders and Investors • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase operating revenue • Increase R&D expenses • Decrease non-operating expenses
	Negative Impacts	A lag in innovation will cause improvements in product energy efficiency to stagnate, limiting the ability of downstream customers to access cost-effective, low-carbon, and environmentally friendly products and solutions, and hindering the industry's green transformation process.				
	Risks	Insufficient conversion of R&D investment or inadequate intellectual property management could lead to deviations from the technological roadmap, R&D sunk costs, and legal Litigation compensation, weakening market competitiveness and profitability.				
	Opportunities	Improving innovation incentive mechanisms and the commercialization of results accelerates the industrialization of high-efficiency solar cells and energy storage technologies, allowing the Company to capture market share with differentiated products, create new revenue streams, and achieve cost reductions, efficiency improvements, and increased profitability.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
18 Data Security and Customer Privacy Protection	Positive Impacts	Compliant and stringent data and privacy protection mechanisms can reduce the probability of data and privacy leaks concerning customers, suppliers, and employees, thereby enhancing stakeholder trust and solidifying business relationships.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Suppliers • Employees • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease non-operating expenses
	Negative Impacts	Inadequate data security and customer privacy protection measures could result in privacy breaches for data system users, including customers, suppliers, and employees, infringing upon the rights and interests of relevant stakeholders, and leading to a crisis of public trust and damaged supply chain partnerships.				
	Risks	Information security incidents or violations will lead to regulatory penalties and legal litigation, resulting in financial penalties and damage to brand reputation, and affecting customer loyalty and long-term profitability.				
	Opportunities	A robust data protection system reduces compliance costs, enhances customer trust and market competitiveness, and supports sales growth and the creation of sustainable business value.				
19 Sustainable Supply Chain Management	Positive Impacts	A well-developed mechanism for ESG supplier access, assessment, and empowerment drives improvements in the environmental performance of raw material procurement and production stages, safeguards labor rights, and enhances the overall responsibility level of the supply chain.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease operating expenses • Decrease administrative expenses
	Negative Impacts	If sustainable supply shain management is lacking or inadequate, suppliers may commit environmental violations and infringe upon labor rights, exacerbating ecological pollution in the supply chain and increasing risks to labor rights and occupational health and safety.				
	Risks	Improper management of ESG risks in the supply chain will lead to increased industrial chain compliance costs and legal litigation risks, weakening brand reputation and market competitiveness, and affecting financial stability and long-term profitability.				
	Opportunities	Building green and sustainable supply chains to meet customer demand and preferences for low-carbon procurement, opening up incremental markets, enhancing customer loyalty, and achieving cost reduction, efficiency improvement, and revenue growth.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
20 Supply Chain Security	Positive Impacts	A stable and reliable supply chain ensures the timely supply of raw materials and continuity of production, guaranteeing on-time delivery of customer orders and maintaining the synergistic stability of the industrial chain and the healthy development of the industry.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase non-operating expenses • Increase administrative expenses
	Negative Impacts	If supply chain security management is inadequate, leading to supply disruptions or delivery delays, it will affect the production plans and market supply of downstream customers, damaging partner trust and industry reputation.				
	Risks	Supply chain disruptions or shortages of key raw materials will lead to idle production capacity, increased procurement costs, and compensation for order breaches, causing revenue loss and customer attrition, thereby weakening profitability.				
	Opportu-nities	Building a diversified and traceable supply chain security system to enhance supply resilience, ensure production stability and reliable delivery, increase customer loyalty and market competitiveness, and achieve cost reduction and efficiency improvement.				
21 Rural Revitalization	Positive Impacts	Rural revitalization projects such as “Fishery & PV Integration” drive rural employment and income growth, enhance local energy self-sufficiency and infrastructure levels, and improve community quality of life and the ecological environment.	• Own Operations	• Local Communities and Charity Organizations	○ Short-term ○ Medium-term ◉ Long-term	• Increase non-operating expenses
	Negative Impacts	Insufficient investment in rural revitalization or ineffective project implementation may delay the rural energy transition and economic development, affecting opportunities for farmers to increase their income and hindering the improvement of community well-being.				
	Risks	Missteps in the planning or execution of rural revitalization projects could lead to sunk investment costs, while exploration of photovoltaic agricultural models that fall short of expectations could result in idle resources, affecting capital use efficiency and strategic returns.				
	Opportu-nities	Deepening innovation in the “Photovoltaics + Rural Revitalization” model to expand the agricultural and rural green energy market, obtain policy support and brand premiums, and achieve a win-win situation for both social value and economic benefits through industrial integration.				

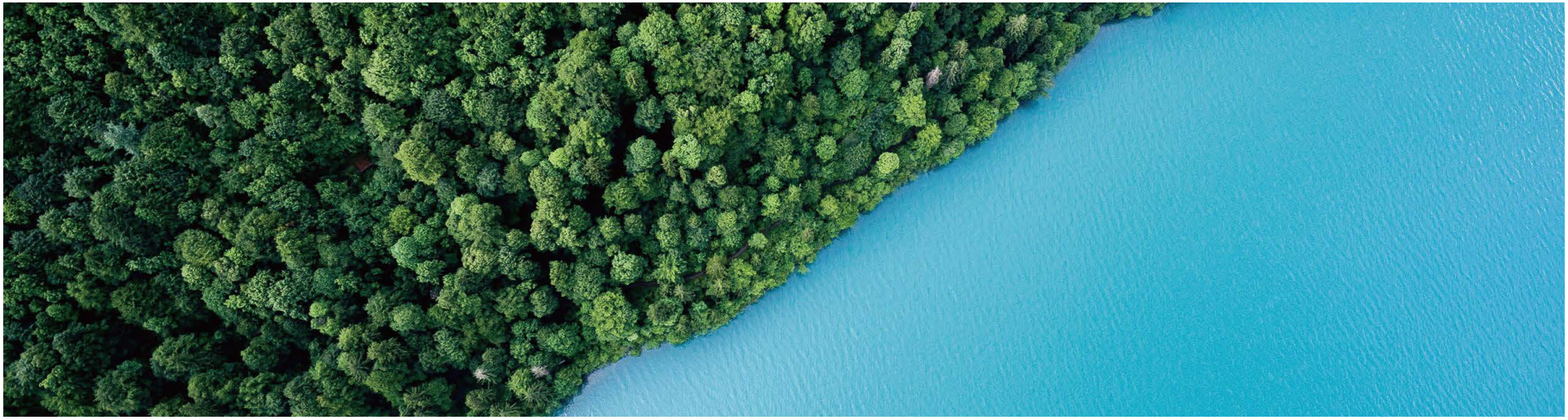
Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
22 Social Contribution	Positive Impacts	Stable operations create employment opportunities and economic growth for the community, improve infrastructure and residents' quality of life, and enhance community well-being and corporate social recognition.	• Own Operations	• Employees • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase non-operating expenses
	Negative Impacts	Insufficient community engagement or ineffective project execution could harm community rights and interests through issues such as land occupation and ecological impacts, reducing resident support and social trust.				
	Risks	A lack of community communication mechanisms will lead to conflicts of interest and regulatory penalties, weakening social reputation and investor confidence, affecting the stability of local operations and business expansion, or reducing operating revenue.				
	Opportunities	Continuously carrying out community welfare and co-construction projects to enhance brand recognition and social support, obtain policy resources and business opportunities, or increase operating revenue, thereby achieving a win-win for both social value and economic benefits.				
23 Corporate Governance	Positive Impacts	A sound governance system ensures scientific and transparent decision-making, protects the rights and interests of shareholders and all stakeholders, enhances investor trust and employee sense of belonging, strengthens partner confidence, and reduces operational and compliance risks.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Employees • Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease non-operating expenses
	Negative Impacts	A lack of governance mechanisms or insufficient information disclosure may harm shareholder rights and partner trust, affect employee morale and community recognition, and weaken the company's social credibility.				
	Risks	Non-compliant governance or internal control failures will lead to regulatory penalties and litigation risks, increase compliance costs and financing difficulties, result in decreased operational efficiency and impaired profitability, and affect financial stability.				
	Opportunities	Strengthening standardized decision-making and transparent disclosure to enhance capital market trust, obtain access to green financing and long-term capital investment, and drive sustainable value creation through efficient governance.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
24 Compliant Operation	Positive Impacts	The Company's compliant operations protect the rights and interests of investors, customers, employees, and partners, maintain market fairness and industry order, and enhance social trust and corporate credibility.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Employees • Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase non-operating expenses
	Negative Impacts	If compliance management is inadequate, leading to violations of laws and regulations, it will harm the rights and interests of stakeholders, undermine market trust, and trigger community complaints and corresponding social responsibility risks.				
	Risks	Inadequate compliance management could lead to regulatory penalties, legal litigation, and reputational damage, increasing compensation payments and compliance costs and affecting financing capacity and financial stability.				
	Opportu-nities	A sound compliance management system enhances corporate reputation and transparency, reduces legal risks and operating costs, and attracts policy support and long-term investor favor.				
25 Risk Management	Positive Impacts	A sound risk management system can help the Company identify, assess, and manage compliance, operational, and financial risks, safeguarding operational continuity and asset security, protecting the rights and interests of investors, partners, and employees, and enhancing stakeholder confidence and community stability.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Employees • Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase non-operating expenses
	Negative Impacts	If there are deficiencies in risk identification and monitoring, it may lead to sudden risks impacting operations, harming the security of shareholder assets, and increasing compliance, legal, and reputation risks.				
	Risks	Inadequate risk control will lead to production interruptions, compliance fines, and legal litigation, increasing operating costs and compensation payments, weakening profitability and financing capacity, and affecting financial stability.				
	Opportu-nities	Improving risk warning and internal control mechanisms enables early identification of potential risks to reduce unexpected losses, decreases compliance penalties and operational fluctuations, enhances the Company's capital valuation, and ensures continuous operation and value creation.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
26 Anti-commercial Bribery and Anti-corruption	Positive Impacts	An integrity-based and transparent anti-commercial bribery system ensures shareholders, employees, and partners have equal development opportunities in a fair environment and maintains market order and industry credibility.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Employees • Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease non-operating expenses
	Negative Impacts	If loopholes exist in the Company's anti-corruption mechanisms, it could foster bribery, harming employees' professional dignity and suppliers' right to fair participation and damaging business trust and the Company's social image.				
	Risks	Commercial bribery incidents will trigger legal sanctions and regulatory penalties, leading to substantial fines, reputational collapse, and customer loss, driving up financing and compliance costs, and eroding profitability.				
	Opportunities	High-standard anti-corruption governance enhances investor confidence and brand reputation, reduces the risk of legal litigation and operational fluctuations, and attracts long-term favor from partners and sustainable capital injections.				
27 Anti-unfair Competition	Positive Impacts	Maintaining a fair competition market environment protects consumers' right to choose and partners' opportunities for fair participation, promotes technological innovation and healthy development within the industry, and enhances overall social well-being.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease non-operating expenses
	Negative Impacts	Monopoly or unfair competition may restrict market fairness and consumer rights, squeeze the survival space of small and medium-sized enterprises, and undermine industry innovation and market order.				
	Risks	If the Company faces antitrust investigations or competition compliance risks, it could incur substantial fines, litigation compensation, and reputational damage, thereby increasing compliance costs and operational uncertainty and weakening profitability and financing capabilities.				
	Opportunities	A sound fair competition management system can enhance the Company's market trust and brand reputation, reduce legal and litigation risks, gain long-term favor from partners, and ensure sustainable operations and value growth.				

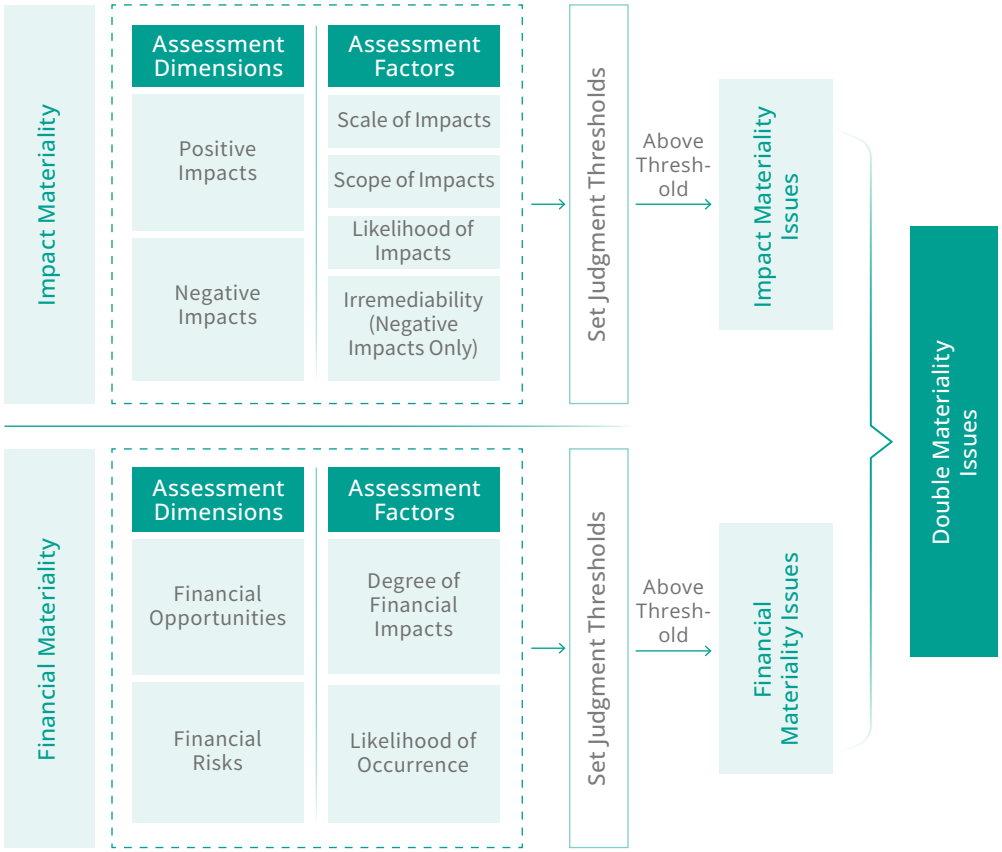
Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
28 ESG Management	Positive Impacts	A robust ESG management mechanism can facilitate stakeholder communication channels, promote responsible practices throughout the value chain, enhance community trust and positive environmental impact, and increase social recognition.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Local Communities and Charity Organizations • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease non-operating expenses
	Negative Impacts	Inadequate ESG management may lead to poor feedback on stakeholder demands, weaken community engagement and social trust, and hinder regional sustainable development and collaborative industry progress.				
	Risks	Limited ESG management can lead to a lack of transparency in information disclosure and compliance risks, resulting in rating downgrades, increased financing costs, and customer attrition, which in turn affect profitability and market competitiveness.				
	Opportu-nities	Strengthening the Company's ESG management enhances corporate transparency and risk response capabilities, boosts investor confidence and brand reputation, optimizes the capital structure, and promotes synergistic development of short-term operations and long-term value.				
29 Due Diligence	Positive Impacts	A comprehensive ESG due diligence mechanism enables early identification of environmental non-compliance and labor rights risks in the supply chain, protects community interests, ensures partner compliance, and safeguards long-term investor value.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Shareholders and Investors • Suppliers • Customers	◉ Short-term ◉ Medium-term ◉ Long-term	• Decrease non-operating expenses
	Negative Impacts	If ESG-related due diligence is absent or merely a formality, it may lead to overlooking environmental pollution or labor rights issues within the Company's own operations and among its suppliers, triggering a crisis of trust.				
	Risks	Lapses in ESG due diligence can lead to increased post-investment compliance costs, legal litigation, and reputational damage, while also making financing more difficult, raising asset impairment risks, and affecting investment returns and profitability.				
	Opportu-nities	A robust ESG due diligence mechanism can reduce post-investment management costs, mitigate potential environmental and social risks, enhance investor confidence and market competitiveness, and ensure sustainable value growth.				

Issue Name	Description of Impacts, Risks, and Opportunities		Scope of Impact on the Value Chain	Key Stakeholders Affected	Impact Period	Key Financial Impacts
30 Stakeholder Engagement	Positive Impacts	Well-established stakeholder communication channels can enhance investor trust and community understanding, ensure that employee concerns are heard in a timely manner, and foster continuous recognition and long-term support for the Company from all stakeholders.	• Upstream Value Chain • Own Operations • Downstream Value Chain	• Government and Regulatory Authorities • Shareholders and Investors • Employees • Suppliers • Customers • Sustainability Experts • Media and Industry Associations • Local Communities and Charity Organizations	◉ Short-term ◉ Medium-term ◉ Long-term	• Increase operating revenue
	Negative Impacts	Poor communication or delayed responses can erode stakeholder trust, damage partnerships, affect employees' sense of belonging and community support, and hinder the Company's sustainable development.				
	Risks	Inadequate communication mechanisms can lead to misunderstandings, complaints, and strained relationships, thereby increasing dispute resolution expenses, affecting partnership opportunities and financing capabilities, and driving up operating costs.				
	Opportu-nities	A sound communication mechanism strengthens customer and partner loyalty, expands business collaboration opportunities, reduces potential dispute costs, and enhances market competitiveness and revenue growth potential.				



Step 3: Assessing and Confirming the Materiality of Sustainability Issues

Double Materiality Issue Assessment Process[1]



The calculation methods for the impact materiality and financial materiality of sustainability issues and the questionnaire feedback are as follows:

Issue Materiality	Assessment Dimension	Assessment Factors	Score Calculation Methodology[2]
Impact Materiality	Positive Impacts	Scale of Impacts	Positive Impacts = (Weight x (Scale of Impact + Scope of Impacts) / 2) x (Weight x Likelihood of Impacts)
		Scope of Impacts	
		Likelihood of Impacts	
	Negative Impacts	Scale of Impacts	Negative impacts = (Weight x (Scale of impact + Scope of impacts + Irremediability) / 3) x (Weight x Likelihood of impacts)
		Scope of Impacts	
		Irremediability	
		Likelihood of Impacts	
Financial Materiality	Financial Opportunities	Degree of Financial Impacts	Financial Opportunity = (Weight x Degree of Financial Impacts) x (Weight x Likelihood of Occurrence)
		Likelihood of Occurrence	
	Financial Risks	Degree of Financial Impacts	Financial Risk = (Weight x Degree of Financial Impacts) x (Weight x Likelihood of Occurrence)
		Likelihood of Occurrence	

[1] In 2025, Tongwei assessed the positive and negative impacts of various sustainability topics with reference to the *Shanghai Stock Exchange Self-Regulatory Guideline for Listed Companies No. 4 – Preparation of Sustainability Reports (January 2026 Revision)*. For positive impacts, the materiality of actual positive impacts depends on the scale and scope of the impact, while the materiality of potential positive impacts depends on the scale, scope, and likelihood of the impact. For negative impacts, the materiality of actual negative impacts depends on the scale, scope, and irremediability of the impact, while the materiality of potential negative impacts depends on the scale, scope, irremediability, and likelihood of the impact.

[2] To fully reflect the influence of each assessment factor on the assessment dimension, the Company has set the weighting mentioned in the table at 50%.

The Company has identified a total of 15 material sustainability issues, of which 14 have impact materiality, 7 have financial materiality, and 6 have double materiality.

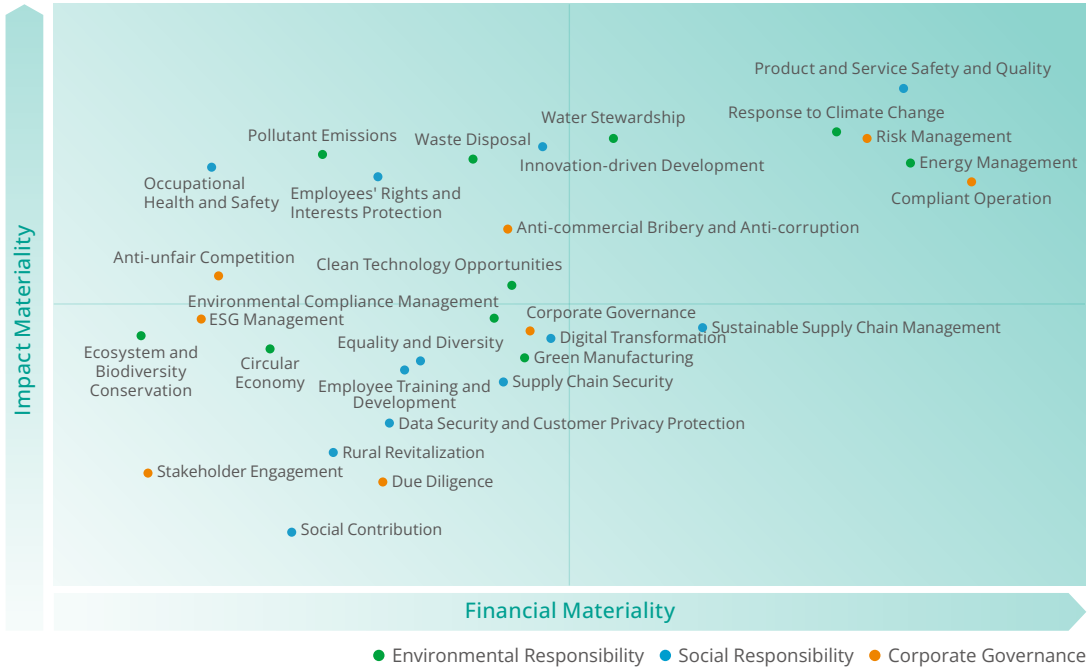
Tongwei's 2025 Sustainability Issues With Impact Materiality

- Response to Climate Change
- Energy Management
- Water Stewardship
- Pollutant Emissions
- Waste Disposal
- Clean Technology Opportunities
- Product and Service Safety and Quality
- Innovation-driven Development
- Employees' Rights and Interests Protection
- Occupational Health and Safety
- Compliant Operation
- Risk Management
- Anti-commercial Bribery and Anti-corruption
- Anti-unfair Competition

Tongwei's 2025 Sustainability Issues With Financial Materiality

- Response to Climate Change
- Energy Management
- Water Stewardship
- Product and Service Safety and Quality
- Sustainable Supply Chain Management
- Compliant Operation
- Risk Management

After review and confirmation by Tongwei's Board of Directors and its Strategic and Sustainable Development Committee, the results of this year's double materiality issues matrix are as follows.



Tongwei's Double Materiality Issue List[1]

Double Materiality Issues	Double Materiality	Positive Impacts	Negative Impacts	Financial Opportunities	Financial Risk
Product and Service Safety and Quality	Extremely High	Extremely High	Extremely High	High	Relatively
Response to Climate Change	Relatively	Relatively	Relatively	Medium	Relatively
Energy Management	High	High	High	High	Relatively
Compliant Operation	High	High	High	High	Extremely High
Risk Management	High	Relatively	High	High	Relatively
Water Stewardship	High	Relatively	Relatively	Medium	Relatively

Extremely High | Relatively | High | Medium

[1] The evaluation order for double materiality, positive impacts, negative impacts, financial opportunities, and financial risks is Extremely High, Relatively High, High, and Medium, from highest to lowest.

Step 4: Using Analysis Results to Guide Sustainability Information Disclosure and Practices

The Company has integrated the 15 identified material issues into its existing risk management processes, effectively controlling their impact on its operations and various stakeholders through policy formulation and implementation, resource allocation, human capital investment, and performance management, and this Report highlights the risk and opportunity management practices and outcomes related to these issues in the relevant chapters.

Issue Dimension	Material Issues	Materiality Level	UN SDGs	Corresponding Chapters in the Report
Environment	Response to Climate Change	Double Materiality	13	Response to Climate Change
	Energy Management	Double Materiality	7, 13	Energy Management
	Water Stewardship	Double Materiality	6, 14	Water Stewardship
	Pollutant Emissions	Impact Materiality	14, 15	Pollution and Waste Management
	Waste Disposal	Impact Materiality	15	Pollution and waste management
	Clean Technology Opportunities	Impact Materiality	7, 13	About Tongwei | Innovation-driven Development
Society	Product and Service Safety and Quality	Double Materiality	7, 8, 12	Product Quality and Safety
	Sustainable Supply Chain Management	Financial Materiality	12, 17	Sustainable Supply Chain Management
	Employees' Rights and Interests Protection	Impact Materiality	5, 8, 10	Employees' Rights And Interests Protection
	Occupational Health and Safety	Impact Materiality	3, 8	Occupational health and safety
	Innovation-driven Development	Impact Materiality	7, 9	Innovation-driven Development
Governance	Compliant Operation	Double Materiality	16	Compliance and Risk Management
	Risk Management	Double Materiality	16	Compliance and Risk Management
	Anti-commercial Bribery and Anti-corruption	Impact Materiality	16	Business Ethics
	Anti-unfair Competition	Impact Materiality	16	Business Ethics

Sustainable Development Due Diligence

In accordance with due diligence requirements such as the OECD *Due Diligence Guidance for Responsible Business Conduct*, Tongwei gradually integrates end-to-end due diligence procedures into its sustainable development management, building a systematic, multi-dimensional sustainable development audit management system. Through various audit methods, including annual and special audits as well as second- and third-party audits, the Company identifies, prevents, and mitigates potential risks in its own operations and at the supply chain level across environmental, labor, and corporate governance dimensions.

	Integration into Policies and Management Systems	Identification and Assessment	Cessation, Prevention, or Mitigation	Tracking and Communication	Remediation and Cooperation
Own Operations	• *Environmental Management Commitment and Policy, Supplier Code of Conduct, Human Rights Commitment and Policy, Information Security and Privacy Protection Policy, SA8000 Social Responsibility Commitment* • Environmental management, energy management, quality management, occupational health and safety, information security management, compliance management, and corporate social responsibility management systems (ISO 14001, ISO 50001, ISO 45001, ISO 9001, ISO 37301, SA8000, etc.)	• Regularly identify, assess, and track key esg risks • Conduct monthly, quarterly, and annual ESG performance assessments and evaluations as required by business development • Conduct internal audits in dimensions such as environmental management, energy management, and occupational health and safety	• Implement corrective measures for identified key ESG risk items and track their effectiveness	• Cooperate with customer factory audits and inquiries • Third-party audits and certifications • Internal and external esg meeting communications • Public information disclosure • External grievance and reporting channels, including telephone, mobile phone, official social media accounts, email, and mailing addresses • iTongwei 2.0 System (internal employee complaint and reporting channel)	• Conduct ESG training and awareness programs • Formulate and execute emergency response plans and conduct emergency drills
Supply Chain	• *Supplier Management Control Procedures, Supplier Code of Conduct, Conflict Minerals Commitment and Policy* • *Universal Declaration of Human Rights, UN Guiding Principles on Business and Human Rights,* OECD *Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-affected and High-risk Areas*	• Incorporate ESG into the new supplier admission review • Conduct ESG self-assessments and on-site esg audits for qualified suppliers • Require suppliers to complete the *Supplier ESG Audit Checklist* • Require suppliers to sign the *Supplier Conflict Minerals Commitment and Declaration*	• Rectification recommendations and supervision for suppliers with non-compliant ESG performance • Plan to promote self-assessments by key conflict mineral material suppliers in accordance with RMI requirements	• Tracking of supplier ESG performance • Plan to conduct cross-verification using tools such as the Conflict Minerals Reporting Template (CMRT) • External grievance and reporting channels, including telephone, mobile phone, official social media accounts, email, and mailing addresses	• Implement a supply chain partner empowerment program and organize supplier ESG training sessions

As of the end of the reporting period,

The coverage of four system certifications for the PV sector (ISO 14001 Environmental Management System, ISO 50001 Energy Management System, ISO 9001 Quality Management System, and ISO 45001 Occupational Health and Safety Management System) achieved

100 %

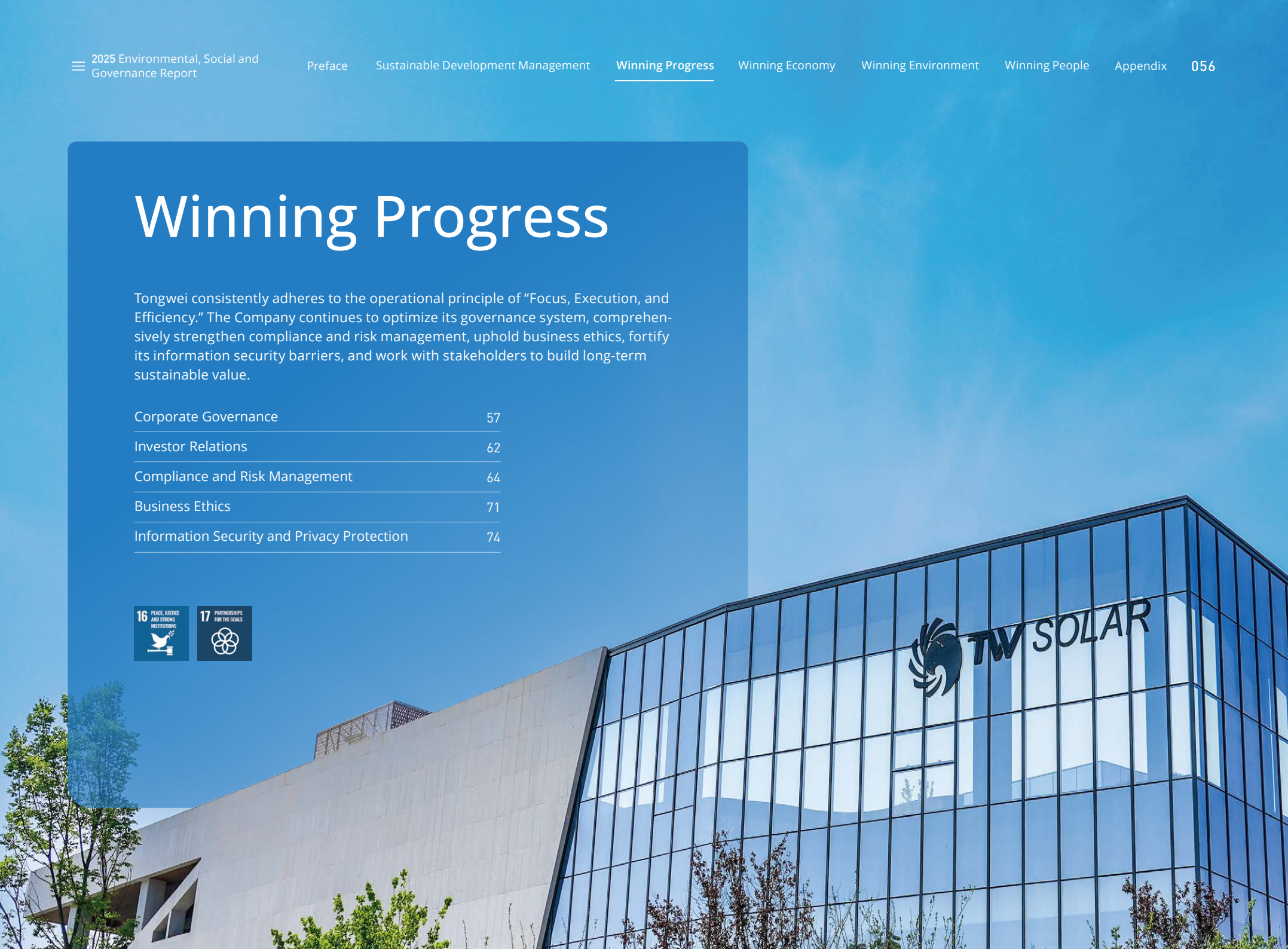
The coverage of ISO 9001 Quality Management System certification for the agriculture and animal husbandry sector achieved

74.29 %

Winning Progress

Tongwei consistently adheres to the operational principle of "Focus, Execution, and Efficiency." The Company continues to optimize its governance system, comprehensively strengthen compliance and risk management, uphold business ethics, fortify its information security barriers, and work with stakeholders to build long-term sustainable value.

Corporate Governance	57
Investor Relations	62
Compliance and Risk Management	64
Business Ethics	71
Information Security and Privacy Protection	74



Corporate Governance

Governance Structure

Tongwei has established a corporate governance structure with clear rights, responsibilities, and standardized operations. The Company's Board of Directors has four special committees: Strategic Sustainable Development Committee, Remuneration and Appraisal Committee, Nomination Committee, and Audit Committee. Each special committee is accountable to the Board of Directors and performs its duties in accordance with the *Articles of Association of Tongwei Co., Ltd.* and mandates from the Board, standardizing the execution of management decisions and operational oversight mechanisms to provide scientifically sound support for the Board's decisions.

The Company strictly complies with the requirements of laws and regulations such as the *Company Law of the People's Republic of China* and the *Securities Law of the People's Republic of China*, continuously benchmarking against the latest regulatory rules to improve its corporate governance system. In 2025, the Company revised the *Rules of Procedure for the General Meeting of Shareholders*, the *Rules of Procedure for the Board of Directors*, the *Working System for Independent Directors*, and the working rules for each special committee. We also introduced the *Management System for Departing Directors* to clarify the responsibilities, obligations, and shareholding management requirements for departing directors. Concurrently, in active response to the latest requirements of the *Company Law*, the Company completed the reform of the Board of Supervisors, with the Audit Committee assuming the relevant powers of the original Board of Supervisors, thereby further enhancing governance standardization and operational efficiency.

Corporate Governance Structure of Tongwei

During the reporting period, the Company:

Convened Board meetings **9** with an attendance rate of **100** %

reviewed and approved **42** proposals

Convened general meetings of shareholders **2**

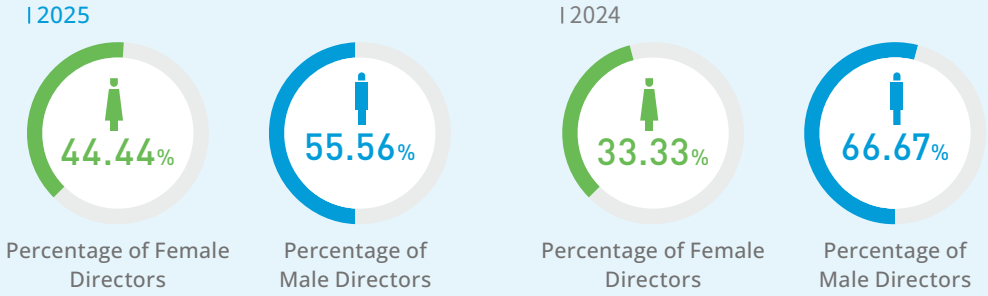
were reviewed and approved **16** proposals

including under the separate voting mechanism for minority shareholders **2** proposals

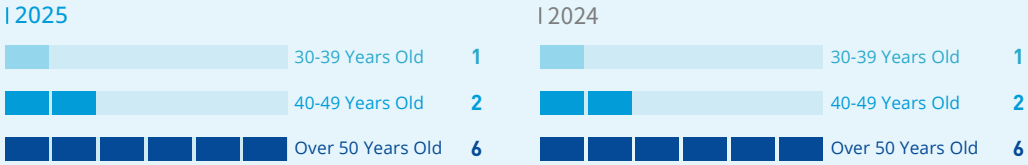
Diversity of Directors

The Company strictly follows the director election procedures outlined in the *Articles of Association of Tongwei Co., Ltd.*, adhering to the principle of "value the capable ones, replace the mediocre ones, and dismiss the incapable ones." It comprehensively considers diverse factors such as gender, age, professional background, and industry experience to scientifically optimize the composition and skill set of the Board of Directors. In 2025, the Company elected an employee representative director, further enhancing the Board's representation in terms of operational practices, employee perspectives, and stakeholder communication, thereby improving the scientific rigor, inclusivity, and coordination of its decision-making.

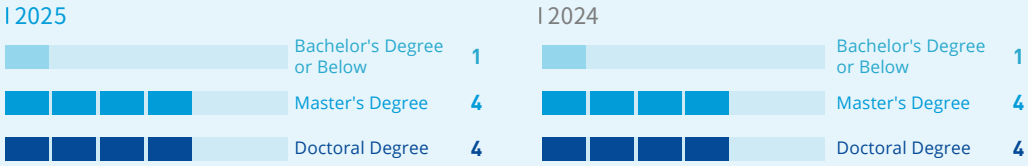
Board Gender Diversity



Board Age Diversity



Board Educational Diversity



Independence of Directors

The Company strictly complies with regulatory requirements such as the *Measures for the Administration of Independent Directors of Listed Companies*, continuously enhances the performance mechanism for independent directors, and has formulated and implemented the *Working System for Independent Directors*, the *Detailed Rules of Independent Directors' Special Meetings*, and the working rules for each special committee.

The members of each special committee of the Company's Board of Directors are composed entirely of directors; the Audit Committee, Remuneration and Appraisal Committee, and Nomination Committee all have a majority of independent directors who also serve as conveners, enabling them to fully leverage their independent judgment and professional oversight in financial supervision, talent selection, and incentive and restraint mechanisms. In 2025, independent directors were deeply involved in corporate governance and sustainable development decision-making, providing independent, objective, and professional opinions on major issues, effectively fulfilling their roles in supervision and decision support, and thereby safeguarding the overall interests of the Company and the legitimate rights and interests of minority shareholders.

The Company's *Working System for Independent Directors* clearly stipulates that the proportion of independent directors shall not be less than one-third of the total Board members, and establishes independence standards based on dimensions such as professional experience, economic ties, social relationships, and conflicts of interest to ensure the objectivity and independence of Board decisions. In terms of personnel appointments, the Company explicitly requires that independent directors have not served as senior executives in the Company or its subsidiaries and are not partners or employees of the Company's external auditors. Regarding economic ties and the prevention of conflicts of interest, the Company stipulates that independent directors (and their immediate family members) may not receive any significant extra payments from the Company or its parent or subsidiary companies, other than statutory allowances; are prohibited from serving as consultants or advisors to the Company or signing personal service contracts; and must not have any conflict of interest with the Company's major customers, suppliers, or non-profit entities that receive substantial donations from the Company.

During the reporting period, the Company:

Independent directors	Accounting for
3	33.33 %

Professionalism of Directors

Members of the Tongwei Board of Directors possess extensive practical experience and professional skills in fields such as photovoltaics, agriculture and animal husbandry, corporate governance, financial management, legal compliance, and risk management, enabling them to examine key issues in the Company's development from multiple perspectives and continuously promote the enhancement of corporate governance and the creation of long-term value.

To continuously enhance the performance capabilities of its directors, the Company organizes targeted training based on the latest regulatory requirements and governance practices, with content covering key topics such as the standardized operation of listed companies, compliance management, business ethics, risk and internal control, and ESG, to effectively improve the directors' understanding and execution of relevant laws, regulations, and policies.

During the reporting period, the Company:

Conducted training sessions for the Board of Directors	Participations by directors in securities compliance training	Total training duration reached
4	8	72 hours

Board of Directors Members	Ms. Liu Shuqi	Mr. Yan Hu	Mr. Liu Hanyuan	Ms. Deng San	Ms. Ding Yi	Mr. Wang Jin	Ms. Jiang Yumei	Mr. Xu Yingtong	Mr. Chen Lei
	Chair and CEO	Vice Chair of the Board of Directors	Director	Employee Director	Director	Director	Independent Director	Independent Director	Independent Director
	Specialized in business administration major, graduated from Queen Mary University of London and has extensive practical experience in the supply chain domain as well as strong business management capabilities.	MBA from Guanghua School of Management at Peking University and senior accountant, has extensive experience in corporate management, sustainable strategy, and financial risk control.	EMBA from Guanghua School of Management, Peking University. He is a senior engineer in hydroelectric engineering, a deputy to the National People's Congress, and vice chair of the All-China Federation of Industry and Commerce	MBA from Sichuan University. She is a representative to the 16th Congress of the Chengdu Women's Federation. She formerly served as chair of the Board of Supervisors of Tongwei Co., Ltd. and has extensive experience in risk management and audit supervision within the agriculture, animal husbandry, and photovoltaics industries.	Doctor of economics, graduated from Renmin University of China. Formerly held senior management positions at companies such as PICC Asset Management Co., Ltd. and Huaneng Capital Services Co., Ltd., possessing deep experience in financial management and risk control.	Doctor of economics and professor, a senior expert in the new energy sector with long-term research experience in energy policy and the photovoltaics industry.	Doctor in Law and doctoral supervisor, expert with the qualification of the "State Council Special Government Allowance", is committed to long-term research in the areas such as international trade rules, business management, and sustainable development.	MBA from Fudan University, has extensive industry experience in the field of new energy and is actively involved in the global sustainable development cause.	Doctoral degree holder and Assistant to the Dean of the School of Accountancy at Southwestern University of Finance and Economics. Focuses on financial information disclosure, internal control, and corporate risk management.
Committee Membership									
Strategic Sustainable Development Committee	■	■	■	□	□	□	□	■	□
Nomination Committee	■	□	□	□	□	□	■	■	□
Remuneration and Appraisal Committee	■	□	□	□	□	□	□	■	■
Audit Committee	□	□	□	■	□	□	■	□	■
Professional Background									
Business Strategy	■	□	■	□	■	□	■	■	□
Corporate Governance	■	□	■	■	■	□	■	□	■
Legal Compliance	■	□	□	■	□	□	■	□	□
PV Industry	■	□	■	□	■	■	□	■	□
Sustainable Development	■	■	□	□	□	■	■	■	■
Financial Industry	□	■	□	□	■	■	□	□	□
Financial Management	□	■	□	□	■	□	■	□	■
Risk Management	□	■	□	■	■	□	■	□	■
Agriculture and Animal Husbandry	□	■	■	■	□	□	□	□	□

Executive Compensation Management

Tongwei places great importance on the compliance, incentive structure, and sustainability of its Executive Compensation. In accordance with the *Working Rules of the Remuneration and Appraisal Committee of the Board of Directors*, the Company scientifically formulates and rigorously reviews compensation plans for directors and senior management, based on a full assessment of the actual operating conditions, industry salary levels, and job responsibilities. The Company strictly enforces a recusal system for compensation reviews, requiring individuals to abstain from decisions concerning their own remuneration to ensure the independence and fairness of the decision-making process.

At the same time, the Company has formulated and implemented the *Tongwei Co., Ltd. Performance-Based Pay Policy and its Clawbacks*, linking executive performance-based pay to ESG performance indicators covering key ESG topics such as climate change management, green supply chains, occupational health and safety, and business ethics, to ensure that management plays an active role in advancing sustainable development goals. The Company has also established a performance-based pay clawbacks mechanism, empowering it to legally and compliantly recover performance-based pay already disbursed in cases where the Company's interests are harmed due to significant compliance issues, financial restatements, or major ESG failures, thereby strengthening accountability and a long-term value orientation.

Related-party Transaction Management

To improve the standard of the Company's operations, protect the legitimate rights and interests of the Company and all its shareholders, and ensure that contracts for transactions between the Company and its related parties adhere to the principles of "fairness, justice, and transparency", Tongwei has formulated the *Related-Party Transaction Management Regulations* in accordance with the *Company Law of the People's Republic of China*, the *Rules Governing the Listing of Stocks on the Shanghai Stock Exchange*, and the *Articles of Association of Tongwei Co., Ltd.*, which clearly specifies the management requirements for related-party transactions in all aspects, including agreement signing, approval processes, limit management, information disclosure, and risk control.

Each year, the Company reviews anticipated related-party transactions to ensure that they meet the actual operational needs, that the decision-making procedures are legal and valid, that pricing and settlement principles are fair and reasonable, that they do not harm the interests of the Company or its shareholders, and that the Company's independence remains unaffected.

Investor Relations

Communications with Investors

Tongwei actively safeguards the legitimate rights and interests of shareholders, creditors, and other stakeholders, and has formulated and implemented the *Tongwei Investor Relations Management Policy to continuously foster positive interaction between the Company and its investors*.

In 2025, while maintaining regular communication, the Company further enhanced the depth and targeted nature of its engagement. The Company implements point-to-point and differentiated communication strategies tailored to the specific focuses, information needs, and risk concerns of different types of investors.

The Company places great importance on protecting the rights and interests of minority investors, and strictly implements mechanisms safeguarding shareholders' rights to make proposals and vote. We also apply a special resolution mechanism for major corporate matters to ensure that minority shareholders can participate fairly in corporate governance through the principle of "one share, one vote". Simultaneously, the Company continuously expands its communication channels, using the SSE E-Interactive platform, investor hotlines, and email to promptly respond to inquiries and concerns, thereby improving communication accessibility and transparency. To address the objective limitations that minority investors face in accessing information and making professional judgments, the Company enhances its official communication services while also strengthening information guidance and value dissemination. Before and after the disclosure of periodic reports and major events, the Company proactively releases press materials and in-depth interpretations through mainstream financial media, industry platforms, and channels such as Xueqiu, in order to convey rational and professional information about the industry and the Company's operations.

During the reporting period, the Company:

Held investor communication activities

320

Led or co-published value communication articles

more than **20**

Compliant Information Disclosure

Tongwei continuously strengthens the standardized management of its information disclosure, strictly implementing insider information management and confidentiality measures in accordance with relevant regulations such as the *Tongwei Information Disclosure Management Policy*, and conducts its information disclosure work legally and compliantly based on the principles of "transparency, fairness, and justice".

Honors and Awards

During the reporting period, the Company:

- Received an **A-level rating** for annual information disclosure work from the Shanghai Stock Exchange for 5 consecutive years
- Received the **"Golden Information Disclosure Award"** at the China Securities Journal's Golden Bull Awards for Listed Companies
- Received the **"Outstanding Board Secretary Award"** and **"Outstanding IR Team Award"** of the P5w.net Golden Awards for Investor Relations
- Received the **"Excellent Board Secretary Award"** at the WEEKLY ON STOCKS Golden Dawn Awards

During the reporting period, the Company:

Disclosed announcement documents **117**, including interim announcements **89**, periodic reports **4**

Held on-site strategy meetings **140** with participants more than **524**

Conducted online communication meetings **106** and reverse roadshows with more than **410** participants

Conducted on-site investor research visits **74** with more than **380** participants

Achieved a response rate to questions from minority investors **96.03** %

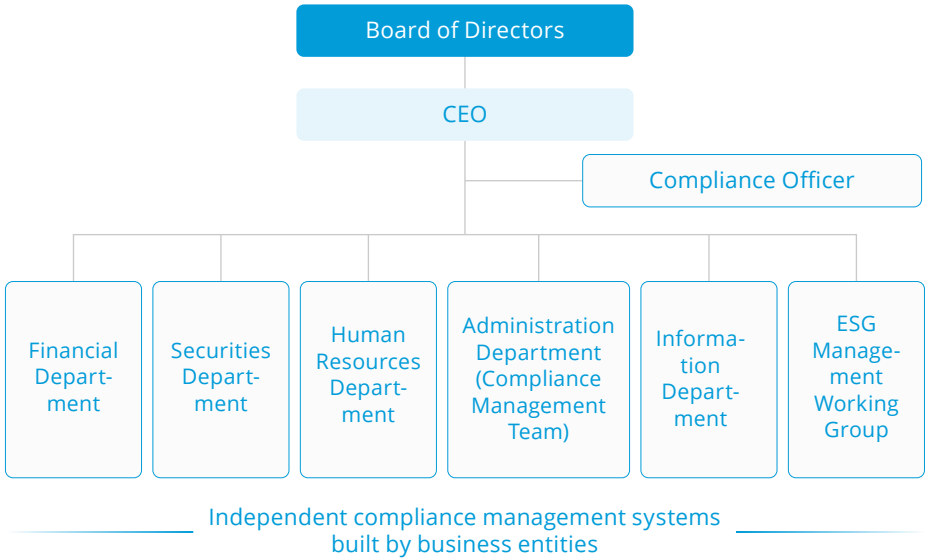
Compliance and Risk Management

Governance

Compliance Governance Structure

Tongwei strictly adheres to laws and regulations such as the *Company Law of the People's Republic of China*, benchmarks against the ISO 37301 international standard for compliance management systems, and systematically improves policy documents like the *Compliance Management Measures of Tongwei Co., Ltd.*, covering 11 key areas including corporate governance, anti-commercial bribery, information security and data protection, accounting and taxation, anti-monopoly, and anti-unfair competition.

The Company has built a top-down compliance management structure where the Board of Directors leads all compliance decisions, the CEO and the Compliance Officer coordinate execution, business departments implement compliance requirements within their scope of responsibility, and each operating entity establishes an independent compliance system based on its actual circumstances to ensure effective implementation of compliance management. In 2025, the Company established the Tongwei Compliance Management Committee based on the original governance structure, chaired by the CEO, who is responsible for guiding and coordinating the committee's work and holds final decision-making authority on major compliance matters for the Company; a Compliance Management Working Group has been set up under the committee, composed of the head of compliance and compliance internal auditors from various departments, to specifically carry out tasks such as regulatory impact analysis, compliance supervision and inspection, handling of non-compliant behaviors, and tracking of corrective actions.



Tongwei Compliance Governance Structure

Risk Governance Structure

The Company conducts regular internal control evaluations in accordance with the *Internal Control Evaluation and Risk Assessment System*, urging all business and functional departments to optimize internal control processes and systems, covering key risk areas such as operational management, audit management, capital management, and financial management, and systematically advances risk identification, assessment, and response efforts.

The Company has established a “Three Lines of Defense” risk management framework that clarifies the division of responsibilities in risk management among the Board of Directors, the Audit Committee, management, various business departments, different sectors, and headquarters' functional departments, strengthening the synergy and checks and balances between business execution, risk control, and independent supervision and audit to ensure the long-term effectiveness of the risk management mechanism.

First Line of Defense	Second Line of Defense	Third Line of Defense
Business Departments	Functional Departments of Each Segment and the Company's Headquarters	Supervision and Audit Department
Responsible for establishing and improving internal control and risk management systems, and for identifying, assessing, and controlling risks in daily operations	Responsible for establishing and improving internal control and risk management systems within each functional line	Responsible for providing independent audit oversight and promoting the establishment and optimization of the internal control and risk management

Strategy

Tongwei conducts in-depth compliance and risk identification and impact assessments, formulates targeted response strategies and plans, and dynamically reviews the adaptability of its strategy and business models to relevant risks based on evaluations of current and expected financial impacts.

Tongwei Compliance Guidelines

- Adhere to the rules, be honest and trustworthy
- Know and abide by rules, operate legally
- Protect through compliance, strive for excellence

Guided by compliant operations, steady growth, and value creation, Tongwei has established a comprehensive, full-process, and in-depth risk management system to ensure the Company's sustained and healthy development, protect the legitimate rights and interests of investors, creditors, and other stakeholders, and ensure compliance with capital market regulatory requirements.

Tracing to the Source, Benchmarking for Excellence	Using data as the foundation for penetrating analysis, we identify the root causes of anomalies, helping business lines to identify their strengths and weaknesses and driving efforts to leverage advantages, address shortcomings, and strengthen foundations.
Quality First, Safeguarding Development	Adhering to the principle that quality is fundamental to survival and development, we strengthen our quality foundation to enhance the enterprise's core competitiveness.
Improving Efficiency, Recovering Losses, and Reducing Costs	By focusing on key businesses and major projects, problems are promptly identified and rectified through supervision and inspection, effectively recovering losses and reducing costs.
Improving Internal Controls, Disclosing Risks	Starting with identified problems, we focus on institutional deficiencies and control blind spots, adhering to the principle of "addressing small loopholes to prevent major risks" and promoting the continuous optimization of business systems.

Impact, Risk, and Opportunity Management

Compliance Management

The Company continuously identifies compliance obligations and conducts risk assessments, implementing classified and graded management for internal and external stakeholders to establish the scope of its compliance management system, fully understand the core needs of each stakeholder, and constantly enhance its ability to fulfill compliance obligations.

Tongwei's headquarters periodically coordinates with the compliance management teams of all certified entities and collaborates with relevant compliance departments to systematically identify and update compliance obligations, dynamically maintaining a list of obligations and related forms. In 2025, the Company benchmarked against key laws and regulations in various fields and carried out in-depth identification of compliance obligations and risk assessments in core business scenarios. We also revised and improved relevant management policies and procedures, continuously enhancing the suitability, effectiveness, and enforceability of the compliance management framework.

Dimension	Key Stakeholders	Core Compliance Obligations	Compliance Management Measures
External Environment	Regulatory Bodies	Compliance with policies and regulations; fulfillment of supervisory requirements	Continuous regulatory monitoring, and periodic compliance audits
	Suppliers	Contract performance, anti-bribery	Establishment of a supplier compliance management system
	Shareholders and Investors	Information disclosure and equity protection	Enhancement of disclosure mechanisms
Internal Environment	Governance Bodies	Decision-making compliance and internal control effectiveness	Optimization of governance structure and enhancement of internal supervision
	Employees	Labor law adherence and rights protection	Improvement in compensation and welfare systems, and enhancement of employee training
	Functional Departments	Cross-functional collaboration and information disclosure integrity	Establishment of interdepartmental coordination mechanisms

During the reporting period, the Company:

Identified and updated compliance obligations

1,220

Identified and updated compliance risks

1,016

Completed risk response measures in accordance with ISO 37301

100 %

Added or revised compliance management policies

423

including new policies **121**

and revised policies **302**

In 2025, the Company further expanded the certification coverage of its ISO 37301 compliance management system, with two additional subsidiaries obtaining certification. Concurrently, Tongwei's headquarters coordinated the implementation of the *Notice of Tongwei Co., Ltd. on the Release of the 2025 Annual Compliance Management Work Plan*, by conducting systematic operational supervision, internal audits, and management reviews for the six previously certified entities, and successfully passing the third-party annual surveillance audit to ensure the continuous and effective operation of the compliance management system.

During the reporting period

Tongwei's headquarters guided its subsidiaries, **Tongwei Solar (Yancheng)** and **Tongwei Solar (Nantong)**, to complete ISO 37301 compliance management system certification.

As of now, the number of operating entities within the Company that have obtained this certification has increased to

8

Risk Management

Tongwei integrates risk awareness into all the Company's core business activities, implementing a complete closed-loop risk management process that includes key steps such as risk identification, assessment, response, and execution. This process focuses on standardizing risk management in critical areas like major investments, capital security, credit risk, and production quality. To enhance the applicability and effectiveness of its risk measures, the Company regularly updates its internal audit plan based on operational conditions and work priorities, closely monitoring the effectiveness of internal controls to ensure that risk management measures are properly implemented.

01 Risk Identification

- Identifying potential risks in core business areas such as major investments, capital, credit, and production quality

02 Risk Assessment

- Conducting compliance risk assessments, including key third parties such as suppliers in the scope of assessment, and preparing the *Risk Assessment Summary Tables* and *Risk Response Plan Tables* for quantitative analysis based on established standards

03 Risk Response

- Taking control measures based on assessment results, such as conducting due diligence, signing compliance agreements, and carrying out special compliance audits, to promptly prevent and mitigate compliance risks

04 Audit and Supervision

- Covering six major business segments and the group level, involving various functions such as engineering and construction, procurement, production, sales, human resources, administration, and taxation;
- ESG risks are incorporated into the assessment scope, with a special focus on key areas like the environment, and occupational health and safety.

05 Execution and Tracking

- Formulating corrective measures for identified issues, systematically tracking the progress of rectification to ensure a one-to-one correspondence between problems, solutions, and results, thereby achieving closed-loop management of the entire process.

Risk Management Measures of Tongwei

Tongwei closely monitors emerging risks that may have a long-term impact on the Company. By referencing the World Economic Forum's *The Global Risks Report* and considering our actual business operations, we have identified and managed the following two forward-looking emerging risks:

Risk Type	Risk Description	Potential Impact	Response Measures
Geopolitical Risks	New green trade rules, represented by EU regulations, are continuously evolving and may bring photovoltaic modules under their scope in the future, imposing mandatory requirements for product eco-design, use of recycled materials, and recyclability. Such regulations are characterized by their broad coverage, stringent technical standards, and frequent updates, and the industry has not yet formed a unified response strategy.	○ If product design fails to meet eco-design standards, the Company may face market access restrictions in key markets such as the European Union. ○ Full life-cycle compliance requirements may increase R&D and production costs and place higher demands on the circular transformation of the supply chain.	○ Proactively plan eco-design R&D and embed indicators such as recyclability and the use of recycled materials throughout the product development process. ○ Promoting the circular transformation of the supply chain and enhance capabilities for recycled material certification and traceability. ○ Closely track developments in implementation rules and strengthen compliance adaptation capabilities.
Technology Risks	AI technologies involve risks such as data bias and model misjudgment, which may easily lead to security vulnerabilities, compliance issues, and ethical concerns. In addition, regulatory lag and the lack of established standards may pose challenges for enterprises in terms of controllability, privacy protection, and the delineation of responsibilities.	○ As AI becomes deeply integrated with core production systems, risks related to data and cybersecurity increase. Once key technologies or operational data are leaked, the Company's technological advantages may be weakened, and compliance risks may arise. At the same time, the rapid iteration of AI technologies means that related investments may face the risk of inappropriate technology route selection or returns falling short of expectations. If talent and governance mechanisms are not improved in parallel, this may also increase operational and management complexity.	○ Building an information security and privacy protection system covering policies, organization, and processes, benchmarked against standards such as ISO/IEC 27001. ○ Conducting specialized risk identification for processes such as AI model training, inference, and data access, with a focus on preventing data leakage, misuse, and bias, and implementing dynamic assessment, graded response, and continuous monitoring. ○ Carrying out AI application security training to reinforce the data minimization, desensitization, and access control of sensitive data, thereby strengthening the security line of defense for AI applications.

Emerging Risk Identification and Management of Tongwei

Compliance and Risk Culture Construction

Tongwei actively cultivates a compliance culture that is recognized and practiced by all employees, strengthening the risk defense line for the entire workforce. In 2025, the Company continued to enhance the compliance awareness and risk prevention capabilities of all employees through systematic training, professional team building, and diverse cultural promotion activities.

Strengthening Professional Teams	Organized practical compliance officer training, adding 63 new internal auditors during the year and bringing the cumulative number of trained internal auditors to 179, thereby strengthening the Company's professional capacity for the continuous enhancement of compliance management.
Training in Key Areas	Conducted high-frequency, multi-format specialized training in key areas such as anti-commercial bribery, information security, and confidentiality management, covering all employees in key positions like procurement and sales to enhance their practical compliance and risk prevention skills in specific business operations.
Deepening Compliance Promotion	Centered on the theme of "Knowing the Law and Abiding by the Law", 18 sessions of a compliance promotion series were conducted throughout the year, covering various fields such as procurement, sales, R&D, and corporate governance. By interpreting laws and regulations and analyzing typical cases, the activities clarified behavioral boundaries and strengthened the compliance awareness of all employees.

2025 Compliance and Risk Culture Construction Initiatives

During the reporting period, the Company

Headquarters and certified entities organized specialized training on the ISO 37301 compliance management system **1,586** sessions

Total training duration reached **793** hours

Covering **89,762** participants

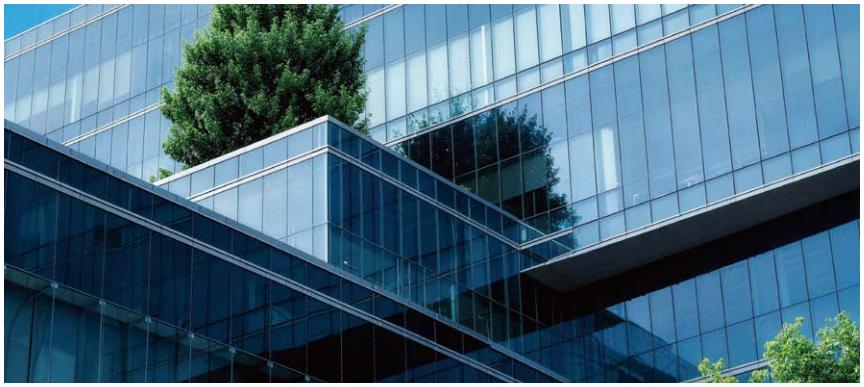
Metrics and Targets

2025 Tongwei Compliance Management Targets

Zero administrative penalties for violations of laws, regulations, and industry standards.	Achieved
Losses resulting from compliance risks, including fines and compensation, of less than RMB 50 million.	Achieved
Zero compliance risk incidents involving violations of integrity and lawful operations.	Achieved

2025 Tongwei Risk Management Targets

No major risks throughout the year.	Achieved



Tax Transparency

Tongwei consistently implements a tax management policy of "lawful tax payment, risk control, and safe operations" and strictly abides by all tax laws and regulations in the countries and regions where the Company operates. The Company has established a five-in-one tax management system integrating "tax management objectives, tax team, tax policies, tax IT tools, and tax management style" to fully fulfill its tax obligations.

Lawful Tax Payment	Risk Control	Safe Operations
○ Accurately paying due taxes in accordance with the law. ○ Making full use of tax incentives. ○ Legally conducting tax planning.	○ Reducing and eliminating inaccuracies in tax payments caused by misinterpretation of policies or improper execution. ○ Reducing and eliminating procedural tax improprieties and documentation flaws due to negligence or dereliction of duty. ○ Strictly prohibiting improper tax planning, such as excessive tax arrangements and the abuse of tax incentives.	○ Improve tax credit rating. ○ Maintain a cordial and clean relationship between tax authorities and the enterprise. ○ Prevent tax-related administrative penalties.

Tax Management Policy of Tongwei

To effectively identify and respond to various tax risks, the Company manages these risks by category and has formulated corresponding control and response measures for different types of risks.

Major Policy Risks	○ For major tax incentive policies, capital M&A policies, and matters that could easily lead to tax disputes, Tongwei conducts proactive policy analysis tailored to specific business operations and actively consults with tax authorities to ensure greater certainty in policy execution, thereby reducing or even eliminating significant tax risks.
Daily Tax Risks	○ Tongwei enhances compliance management through tax informatization by building a tax information management platform that covers all domestic subsidiaries. This platform integrates functions such as output tax management, input tax management, tax filing, and statistical analysis, effectively improving the efficiency and accuracy of tax management.
New Business Tax Risk Management	○ Introduce tax analysis and assessment during the business model design phase to ensure that business models comply with tax regulations. ○ Establish financial and tax review and approval steps within the approval process to ensure potential tax risks are effectively identified and controlled. ○ Engage third-party institutions for analysis, where appropriate, on complex tax matters such as overseas business and related-party transactions.

During the reporting period, the Company

Incurred **zero** major tax risks or compliance incidents.

Business Ethics

Business Ethics Management System

Tongwei has established a comprehensive business ethics management system that ensures the compliance and transparency of the Company's operations through a multi-layered closed loop of institutional standards, implementation mechanisms, and supervisory safeguards.

The Company has formulated documents such as the *Business Ethics Code of Conduct* and the *Anti-Corruption and Anti-Bribery Policy*, which define behavioral standards in areas including anti-corruption, conflicts of interest, competition and antitrust, responsible marketing, and commercial confidentiality. These standards apply to all employees and all subsidiaries, and require compliance from suppliers, service providers, contractors, customers, and other stakeholders. Concurrently, the Company has introduced supporting management documents like the *Employee Reward and Penalty Management Policy*, the *Bribery Risk Identification and Assessment Management Measures*, and the *Employee Bribery Risk Prevention and Control Management Measures*. These integrate integrity requirements into daily employee management, with all employees signing the *Letter of Undertaking on Compliance with Laws and Rules for Clean Performance* to strengthen the prevention and control of integrity risks.

At the supervision and assurance level, the Company conducts regular annual anti-corruption and business ethics audits. The audit scope covers all subsidiaries and all completed and ongoing projects, achieving 100% coverage of operational links every three years. Audit content covers dimensions such as anti-corruption, anti-bribery, responsible marketing, unfair competition, and information confidentiality. The audit frequency is increased as needed based on business development to strengthen the monitoring and prevention of potential risks.

In terms of market competition, the Company strictly adheres to applicable competition and antitrust laws, clearly defines the code of conduct for all departments and employees, prohibits unreasonable restrictions or abuse of market dominance, and promotes compliance with fair competition requirements among its suppliers and partners.

During the reporting period, the Company:

Completed business ethics audits covering key areas such as safety, unfair treatment, corruption, and embezzlement

104

Achieved audit coverage in the photovoltaic manufacturing segment

100 %

Violations, litigation, or fines occurred due to corruption, bribery, unfair competition, conflicts of interest, money laundering, or insider trading

0 cases

Complaint Reporting Mechanism

Tongwei has established and maintains open internal and external reporting channels, encouraging all employees and stakeholders to report any actual or suspected misconduct to the Group's Supervisory Department, either by name or anonymously. For verified reports, the Company provides rewards based on the value of the information provided. All reports are received by the Supervisory Department and are investigated and handled in strict accordance with regulations such as the *Tongwei Group Supervision Regulations*, which also implements a whistleblower protection mechanism.

The Company is committed to maintaining strict confidentiality of the personal information and content of reports from whistleblowers and informants. It is strictly forbidden for any department or individual to discriminate against, harass, retaliate against, or harm a whistleblower. Any such behavior, once verified, will be treated as serious misconduct, and the Company reserves the right to take disciplinary action in accordance with the law. If any individual believes they have suffered retaliation, they may immediately report it to the Company and provide relevant evidence. To ensure all employees are fully aware of the reporting channels and their proper use, the Company promotes these channels through various ways, including its official WeChat account, the company information platform, and training sessions.

Tongwei Compliant Reporting Channels

External parties (including but not limited to suppliers, customers, other related parties, or third parties)

- Landline: (028) 86168834, 86168838
- Mobile phone of the head of Tongwei Group's Supervision Department: 15608175053 (Also for WeChat)
- WeChat official account: Search for and follow "Integrity Tongwei"
- Email: jcb@tongwei.com
- Mailing address: Supervisory Department, Tongwei Group, Tongwei International Center, 588 Middle Tianfu Avenue, Chengdu, Sichuan Province 610041, China

Internal employees

- In addition to the five channels listed above, internal employees can also file complaints and reports online through the iTongwei 2.0 IM system and the "Tongwei Supervision" public account.

During the reporting period, the Company:

Received complaints and reports

168

with a resolution rate

100 %

Building a Culture of Integrity

The Company continuously strengthens its integrity and compliance defenses. For internal management, all senior management personnel, employees, and personnel under various employment forms (including part-time staff, agency employees, and interns) are required to attend annual specialized training on business ethics and anti-corruption organized by the Supervisory and Audit Department. In terms of external collaboration, the Company implements strict compliance management for all suppliers and partners, requiring them to sign anti-commercial bribery and compliance commitment documents and to participate in business ethics training organized by the Company to ensure they fully understand and comply with relevant policies.

In 2025, the Company strengthened its integrity-building efforts by integrating online and offline channels. Offline sessions focused on mid-to-senior level management and key business areas, with 17 integrity-themed activities conducted across all business segments throughout the year, covering over 1,450 employees. Online promotion utilized the "Integrity Tongwei" WeChat Official Account and the internal supervision platform "Tongwei Supervision" to publish over 30 pieces of information on professional integrity, employing various formats such as comics, animations, and short promotional videos to enhance the reach and impact of integrity education.

Tongwei Integrity Training Session

During the reporting period, the Company:

Conducted anti-corruption training
173 sessions

Total training duration reached
161 hours

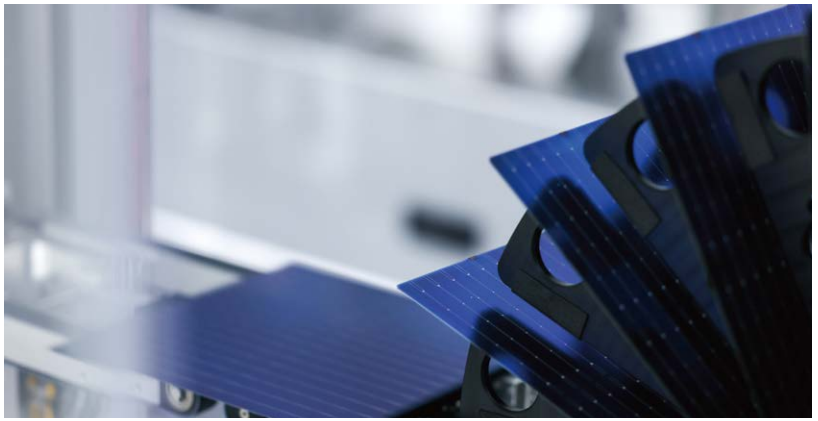
Number of anti-corruption training by rank (sessions)

Directors	31
Management	143
Employees	167

Number of anti-corruption training participants by rank (participants)

Directors	35
Management	4,552
Employees	31,342

Pass rate of anti-corruption training by rank



Information Security and Privacy Protection

Information Security Management

Information Security Management System

Tongwei strictly complies with laws and regulations such as the *Cybersecurity Law*, *Data Security Law*, and *Personal Information Protection Law*, benchmarking against international and national standards including ISO/IEC 27001, ISO 37301, and the national Cybersecurity Classified Protection 2.0. The Company has systematically established an Information Security Management System (ISMS) supported by dedicated positions, specialized policies, and corresponding procedures.

The Company has established an information and cybersecurity organizational structure led by the Chief Information Officer (CIO), which clearly defines information security governance responsibilities and provides organizational support for the system's effective operation. In terms of institutional development, the Company has built a system of policies covering multiple dimensions, including physical security, network management, procurement management, process standardization, data governance, data asset management, and privacy protection. In 2025, adhering to the requirements of ISO/IEC 27001, the Company revised the *Tongwei Information Security Management General Principles* twice to further strengthen management requirements and technical capabilities, with a focus on enhancing privacy protection, critical data security, and the emergency response plan for information security incidents.

Tongwei not only continues to ensure the stable operation of its existing management systems but also extends its high standards of security control to a broader range of business scenarios and supply chain links, providing systematic and reliable protection for its own operations and its partners' data security.

In 2025

- Tongwei's headquarters successfully passed the annual surveillance audit for its ISO/IEC 27001 information security management system.
- Two of its subsidiaries, Tongwei Solar Co., Ltd. and Tongwei Solar Technology Co., Ltd., obtained ISO/IEC 27001 information security management system certification.
- The FBC system successfully passed the annual review for Level 3 of China's classified cybersecurity protection scheme (S3A3).
- The new SRM system and supply chain settlement platform successfully obtained Level 3 certification under China's classified cybersecurity protection scheme (S3A3).

Information Security Risk Control

Tongwei has established a systematic information security risk control mechanism and formulated the *Vulnerability Scanning and Security Inspection Process*. It dynamically identifies risks through a combination of "routine monitoring + special reviews", assesses them based on likelihood and impact, creates a risk register, and manages them by priority level. The Company also continuously tracks the effectiveness of responses through regular follow-ups and special audits, thereby achieving dynamic risk identification, scientific assessment, effective response, and closed-loop monitoring.

At the same time, the Company explicitly requires all employees to promptly report any information security incidents, system vulnerabilities, or suspicious activities to the information security management team to facilitate the resolution of security matters.

Internal and External Information Security Audits

In 2025, Tongwei organized three comprehensive special risk identification activities, including an ISO 37301 compliance internal audit, a third-party special penetration test, and the annual information security management system review meeting. All identified risks were addressed in a timely, appropriate, and closed-loop manner.

In 2025, the Company underwent special audits conducted by an authoritative external body in accordance with ISO/IEC 27001 and ISO 37301 international standards. The scope of these audits covered core functional departments at the headquarters, major data centers, and key business operating units, ensuring the systematic and in-depth nature of the assessment.

During the reporting period, the Company:

Number of confirmed information security incidents
0

Monetary losses from information security incidents
0

Conducted external special information security audits
2

Conducted specialized information security training
42 sessions

Training covered
26,187 participants

Building an Information Security Culture

Tongwei continuously promotes routine training and practical drills, focusing on cultivating a company-wide culture where "security is everyone's responsibility". In 2025, the Company released the *Information Security Knowledge Handbook* for all employees, further strengthening its internal security defenses.

Company-Wide Awareness Training	Role-Based Training System	Security Culture Promotion
Through annual company-wide training and regular security status updates, the Company emphasizes the concept of "security is everyone's responsibility" to ensure that every employee can apply information security principles in their daily work.	The Company customizes differentiated training content for employees in different roles. Basic information security awareness training has been established as a mandatory module for new employee onboarding, covering key areas such as data protection, phishing prevention, and daily office security.	The Company organizes an "Information Security Quiz with Prizes" and other diverse activities, such as knowledge competitions and simulated phishing tests, to integrate security awareness into daily work scenarios.

Initiatives for Building an Information Security Culture of Tongwei

Information Security Emergency Response Mechanism

Guided by the principle of "prevention first, and integrating prevention and response", Tongwei has built a full-process information security emergency response system covering "pre-incident warnings, in-incident handling, and post-incident improvement". The Company has established an ongoing proactive defense mechanism to identify potential threats early through technical means such as vulnerability scanning and security inspections. It has also formulated the *Information Security Incident Emergency Response Plan*, which defines a tiered response process. After an incident occurs, it is handled according to standard procedures for containment, eradication, recovery, and review. A corrective action report is generated for every incident to achieve 100% closed-loop management, thereby safeguarding business continuity and data security.

Privacy Protection

Tongwei places a high degree of importance on client privacy and personal information security, strictly adhering to laws and regulations such as the *Civil Code of the People's Republic of China* and the *Personal Information Protection Law of the People's Republic of China*, and embeds privacy protection throughout its entire business process. In 2025, the Company formulated and publicly released the *Commitment and Policy on Information Security and Privacy Protection* to further standardize the management of private information collection and use.

Before collecting client information, the Company clearly informs clients about the nature of the information being obtained, the purpose of its collection, the retention period, and third-party disclosure policies to ensure informed consent is obtained. The Company signs confidentiality agreements with clients at the outset of the partnership to define mutual confidentiality responsibilities. Key information provided by clients is subject to strict confidentiality management, and any unauthorized disclosure or use is strictly prohibited.

To strengthen personal information protection, the Company implements mandatory desensitized display of sensitive information, such as employee mobile phone numbers, within its business systems. It has also established strict approval processes and access frequency limits for high-risk operations like batch queries and exports to prevent information misuse.

In 2025, the Company further upgraded its privacy protection capabilities from both the terminal and data perspectives:

- Established a data classification and grading mechanism, setting confidentiality levels based on sensitivity and implementing differentiated storage, transmission, and access control policies.

Additionally, the Company has opened a compliance reporting channel to all employees and third parties (including suppliers, clients, etc.). The Supervision Department centrally handles all reports, conducts investigations in accordance with regulations, and proposes handling recommendations. It also maintains strict confidentiality of the reported content and the informant's identity, effectively safeguarding privacy rights and ensuring the proper functioning of the oversight mechanism.

During the reporting period, the Company:

Number of client privacy leakage incidents

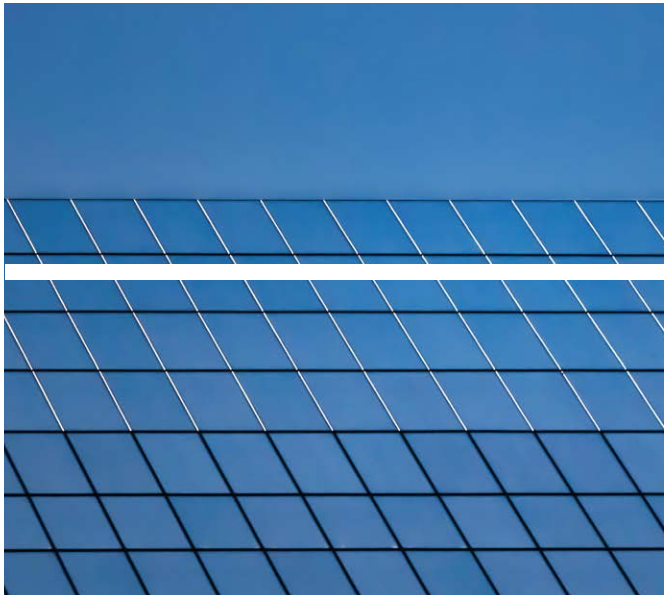
0

Monetary losses from client privacy leakage incidents

0

Percentage of users whose client data was used for secondary purposes

0



Winning Economy

Tongwei adheres to value creation as its core objective, deeply integrating Innovation-driven Development, Digital Transformation, Product Quality & Safety management, and the Protection of Client Rights and Interests into the entire corporate operational chain to form a comprehensive and systematic value enhancement system. The Company continually boosts its core competitiveness and sustainable value creation capabilities by empowering development momentum through technological innovation, enhancing quality and efficiency via Digital Transformation, building a robust defense line for product quality and safety with stringent standards, and safeguarding the legitimate rights and interests of clients with lean services, thereby achieving long-term mutual success for the enterprise, its clients, and society.

Innovation-driven Development	78
Digital Transformation	92
Product Quality and Safety	96
Protection of Customer Rights and Interests	106

Innovation-driven Development

The 2025 Global Innovation Index Report indicates that the global innovation landscape is rapidly evolving towards multipolarity, transitioning from being scale-driven to quality-driven, with innovation resources increasingly concentrating in core areas such as artificial intelligence, semiconductors, and green technologies, where green technology innovation has become a key engine for global industrial upgrading. Concurrently, China's innovation capabilities have significantly improved, injecting new vitality into the global innovation system, while building a collaborative innovation ecosystem and strengthening the empowerment of Intellectual Property will ultimately become the essential path to achieving sustainable innovation.

In 2025, Tongwei continued to drive industrial upgrading through R&D and innovation, advancing key technological breakthroughs and developing environmentally friendly products in its two main business segments: photovoltaics and agriculture & animal husbandry. The Company continuously strengthens its technological leadership by cultivating and incentivizing R&D talent, protecting Intellectual Property, and engaging in open innovation collaborations, thereby achieving the synergistic creation of economic value and sustainable development.

R&D and Innovation System

PV Sector

In 2025, Tongwei continued to uphold technological innovation as its driving force, viewing it as the fundamental path to promoting sustainable development and addressing industry competition. The Company has built a multi-track, multi-dimensional collaborative R&D system that covers the entire chain from cutting-edge material research and process optimization to mass production validation. Relying on national, provincial, and municipal scientific research platforms and an open ecosystem of "pilot testing + R&D + incubation + investment + application scenario", it accelerates breakthroughs in core technologies. At the same time, the Company promotes the coordinated development of the upstream and downstream photovoltaic industry chain, securing its technological leadership, optimizing resource utilization efficiency, and reducing environmental impact through the establishment of an Intellectual Property system and standardization efforts, providing solid support for the green and sustainable development of the photovoltaic industry.

Polysilicon Production

In the field of polysilicon technology, the Company continues to advance an R&D system oriented towards intelligent manufacturing and green innovation. By developing intelligent manufacturing control processes and upgrading the intelligent control system for reduction, the Company has optimized production flows, reduced the consumption of recycled materials and energy, and achieved a minimum reduction electricity consumption of 36 kWh/kg·Si, while significantly improving product quality with an N-type ratio exceeding 90%. In the crystal pulling stage, the Company developed low-power consumption hot zone technology paired with an intelligent crystal pulling control system, bringing the electricity consumption per unit for crystal pulling below 20 kWh/kg, effectively reducing carbon emissions. Through the construction of intelligent dark factories for silicon core and monocrystalline machine processing, it has also increased production efficiency and reduced the workload for personnel.

Cell Technology

Relying on a systematic R&D management framework and a cross-departmental collaborative innovation mechanism, the Company achieves a close connection between laboratory research and mass production development, accelerating technological iteration and ensuring that results can be implemented on a large scale.

TOPCon Cells

By optimizing mass production processes and multi-busbar stacking technology, the Company has enhanced the photoelectric conversion efficiency of its N-type cell platform and module power, achieving an industry-leading level. The high-efficiency cell technology not only increases power generation per unit area and the efficiency of photovoltaic resource utilization but also effectively lowers carbon emissions per kilowatt-peak, providing technical support for the development of green energy and the building of a low-carbon society.

HJT and BC Cells

By building an R&D and pilot testing platform that covers various technologies such as TNC, HJT, and XBC, the center has established a development pattern of "leading mainstream technologies + reserving cutting-edge technologies". On the electrical side, it relies on multi-busbar technology to significantly reduce the working current of a single cell to lower losses. On the optical side, it improves the screen-to-body ratio and light utilization through long-string layouts, shingled packaging, and material upgrades.

Perovskite Tandem Cells

The Company has established a forward-looking R&D system covering material system optimization, process stability verification, and mass production feasibility assessment, enabling the efficient conversion of laboratory results into mass-producible modules. The new cell technologies developed through this system maintain a leading edge in industry iterations while improving energy production efficiency and reducing environmental impact.

Module Technology

Leveraging its Global Innovation R&D Center and the "Advanced Photovoltaic Device Pilot Platform" (the only platform in the photovoltaic industry selected for the first batch of national-level manufacturing pilot platforms), the Company has established a closed loop of design innovation and mass production validation, continuously breaking the limits of module power and efficiency while enhancing industrial sustainability. Through structural optimization, the application of new materials, and bifacial power generation technology, the Company constantly improves module power and efficiency. The power of TNC modules has set a new record, and high-bifaciality TNC modules have achieved an industry-leading bifaciality ratio, significantly increasing energy output efficiency and reducing carbon emissions per unit of electricity generated. THC HJT (heterojunction) modules have set a new global efficiency record for crystalline silicon modules. Concurrently, the Company is advancing the mass production of THC and TBC modules, ensuring a reserve of high-efficiency technology and the reliability and replicability of mass production, thereby improving material utilization efficiency and reducing environmental impact, which provides strong support for the green and sustainable development of the photovoltaic industry.

The Tongwei Global Innovation R&D Center continued to advance key technological breakthroughs in cells and modules, achieving multiple performance enhancements and process innovations in areas such as TOPCon, HJT, TBC, and perovskite tandem cells, thereby solidifying its industry-leading technological competitive advantage. During the same period, R&D infrastructure, including pilot lines and experimental lines, was continuously improved, providing strong support for cutting-edge technology R&D and the transformation of its results.

Tongwei Global Innovation R&D Center - Technological Progress

TNC	○ In March 2025, the TNC G12-66 module's frontal power reached **778.5W** with an efficiency of **25.06%**, and the G12R-66 module's frontal power reached 682.8W with an efficiency of **25.28%**, setting new power and efficiency records for the two mainstream version of TOPCon. ○ In July 2025, the TNC ultra-high bifaciality solar module achieved a cell bifaciality exceeding **94.3%** and a module bifaciality of **91.7%**.
THC	○ In March 2025, the 210 HJT 66 version of the module power set records 11 times and reached a record high power of **790.8W**, with the efficiency of **25.46%**, breaking the world record for crystalline silicon module efficiency.
TBC	○ Established the industry's first HTBC third-cut cell pilot line. ○ The n-TBC cell achieved an R&D efficiency of **26.87%**, and the TBC module power output surpassed **660W**.
PVSK	○ On September 28, the industry's first fully automated 5 MW-level perovskite-crystalline silicon tandem cell pilot line was fully connected. ○ The perovskite/heterojunction stacked cells achieved an efficiency of **34.94%**.
PV Testing Center	○ The PV Testing Center has expanded its capacity to enhance testing capabilities, obtained multiple accreditations, fully covers IEC standards, and holds qualifications including TÜV Rheinland, TÜV SÜD, TÜV NORD, and CNAS.

Agriculture and Animal Husbandry Sector

The agriculture and animal husbandry Sector of Tongwei continues to build a market-demand-oriented R&D and innovation system centered around its "1234 Strategy" and "Growth with Ten Thousand Households" plan. Supported by scientific project initiation, process standardization, and digital management, this system achieves closed-loop management of R&D projects from planning to results transformation. Through a three-tiered management structure of project review, management supervision, and project execution, the Company realizes a closed-loop operation from planning and initiation to outcome delivery, complemented by standardized processes and a digital management platform to promote efficient collaboration among R&D, formulation, and production. In 2025, the Company optimized the organizational structure of its Microalgae business, integrating and establishing a new Microalgae R&D department to concentrate efforts on building Tongwei's fundamental microalgae technology, providing solid support for the application of Microalgae in green feed substitution and the transformation of food production.

During the reporting period, the Company

R&D investment of RMB **2.207** billion

accounting for operating revenue **2.62** %

Established national-level platforms such as national enterprise technology centers, totaling **4**

Provincial-level enterprise technology centers, industrial technology centers, industrial design centers, R&D platforms, and technology innovation centers, totaling **10**

R&D experimental bases, totaling **24**

R&D and Innovation Technology Awards Received by Tongwei in 2025 (Selected)

PV Sector

- **National-level manufacturing pilot platform:** advanced photovoltaic device pilot platform
- **First prize, science and technology progress award from the Chinese Renewable Energy Society:** high-efficiency, low-cost silicon heterojunction (HJT) solar cell technology
- **Third prize, 2025 BRICS Industrial Innovation Contest:** research and application of key technologies for large-size copper grid heterojunction cells and high-power modules
- **First prize, "Energy Electronics Industry" track selection contest of the BRICS Industrial Innovation Contest:** Research and application of key technologies for large-size copper grid heterojunction cells and high-power modules
- **"Major Scientific and Technological Progress in Photovoltaics" award:** industrialization-oriented low-cost, high-power, silver-free heterojunction cell and module technology

Agriculture and Animal Husbandry Sector

- **First Prize, Hubei Provincial Science and Technology Award:** Research and Application of Precision Feeding Theory and Key Technologies for Major Freshwater Fish
- **Fanli Science and Technology Award (Second Prize):** Technological Innovation and Application of Precision Nutrition and Healthy Farming for Largemouth Bass

Technology Ethics

In its research and development (R&D) and innovation processes, Tongwei places great emphasis on the development of technology ethics, ensuring that all R&D activities comply with relevant laws, regulations, and industry standards.

In terms of system development

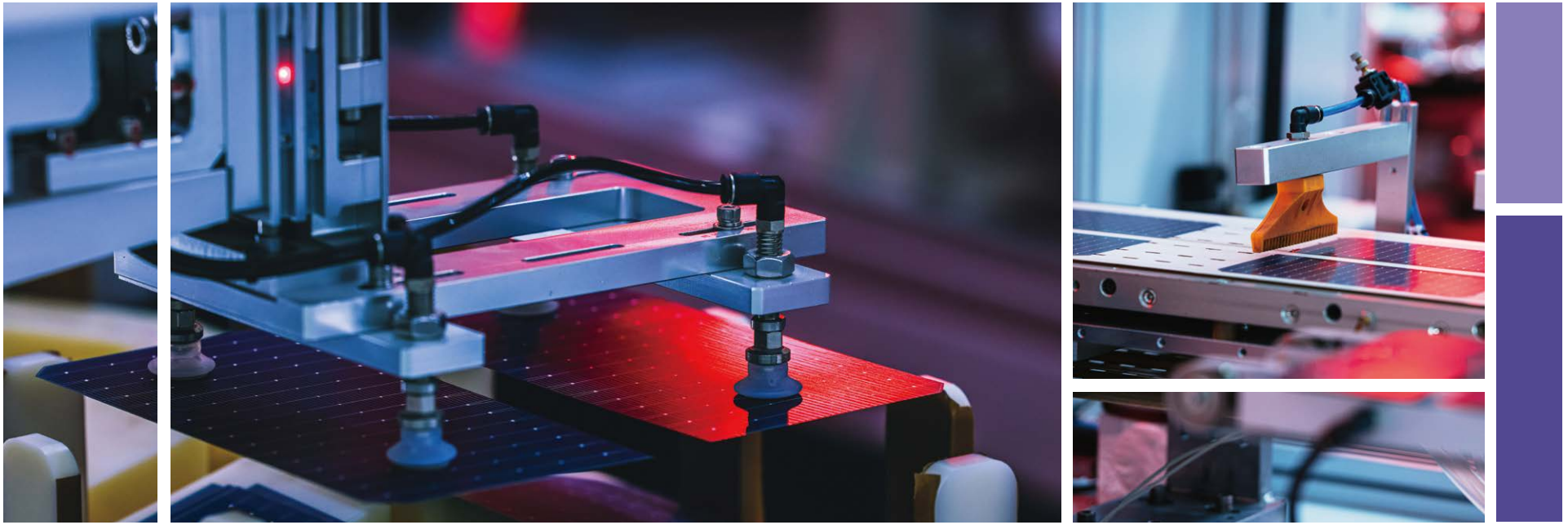
The Company has incorporated technology ethics standards into its R&D management system, referencing national and industry requirements, and clarifying that all R&D projects must undergo an ethical risk assessment and review before initiation.

Regarding the management of scientific research achievements

The Company adheres to the relevant standards for academic publishing and research collaboration. It cooperates with the ethical review procedures of journal editorial departments or partner institutions, and, when necessary, obtains relevant technology ethics certification documents from partner universities or research institutions to ensure that the publication of research findings meets ethical review and compliance requirements.

During the reporting period, the Company

Experienced no major violations of technology ethics, and its management in this area operated effectively in terms of system implementation, project monitoring, and personnel training.



R&D Talent Cultivation and Incentives

R&D Talent Introduction and Cultivation

Tongwei continues to advance the development of its R&D talent introduction and cultivation system, progressively building an R&D team with an international perspective and professional capabilities by broadening diversified talent acquisition channels and refining talent development mechanisms.

	Talent Introduction	Talent Cultivation
PV Sector	○ Advanced the introduction of professional and technical talent, bringing in a total of 144 individuals throughout the year, with a key focus on building a reserve of outstanding master's and doctoral talent, successfully recruiting 73 such candidates; ○ Deepened industry-university-research collaborations with institutions such as the University of Electronic Science and Technology of China, Sichuan University, Southwest Petroleum University, and Shenzhen Institute of Advanced Technology to broaden channels for talent introduction and cultivation; ○ The Photovoltaics Technology Center promoted the development of its project manager team, creating a reserve of 18 project managers.	○ Established a blended online and offline learning platform, complemented by customized capability training courses; ○ Created a dedicated systematic training system for master's and doctoral talent, implementing a dual-mentor coaching model. The training content comprehensively covers core dimensions such as technical theory, project practice, and corporate culture values to enhance the professional and comprehensive abilities of R&D personnel in all aspects.
Agriculture and Animal Husbandry Sector	○ Introduced 34 technical professionals, of whom 79.4% hold master's or doctoral degrees, including a high-level talent from the national "Thousand Talents Program" to lead microalgae R&D, thereby continuously strengthening core R&D capabilities.	○ Selected 20 mid-level reserve talents willing to transition and provided them with systematic training through programs such as "Qi Hang", "Xin Rui", "Xing Huo", and "Yu Miao"; ○ Established Tongwei Agriculture's first benchmark base for technical talent cultivation—the Guangdong Zhongshan Specialty Aquatic R&D Base—which integrates high-quality instructors and resources to create a comprehensive, multi-level training system. In 2025, the base held 7 training courses, conducted 17 university-enterprise and customer exchanges, and trained over 300 people in total; ○ Conducted technical system empowerment training sessions and advanced TTT (Train the Trainer) specialized training to help promote the transformation and development of technical personnel; ○ Carried out internal professional title evaluations for the technical system, resulting in 20 individuals successfully applying for and obtaining professional technical titles.

During the reporting period, the Company had R&D personnel, totaling **4,404**. Personnel holding master's degrees or above, with a proportion of the total reaching **13.99%**.

R&D Innovation Incentives

In 2025, Tongwei continued to refine its management of technology projects and its reward mechanism for scientific and technological achievements. In accordance with the *Implementation Measures for Scientific and Technological Achievement Awards of Tongwei Co., Ltd.*, the Company extensively carried out reward programs for such achievements and established the "R&D Project Advancement Award" to provide targeted incentives for R&D personnel.

01 Intellectual Property Achievements

Cash incentives are provided to employees for obtaining invention patents, utility model patents, software copyrights, and other works, based on the type of achievement and its completion status.

02 Academic Achievements and Exchange

Cash incentives are provided for publishing scientific papers and participating in academic conferences with presentations, based on factors such as the ranking of the journal or conference and the author's order.

03 Standards and Commercialization of Achievements

Cash incentives are awarded for participation in the development and revision of national or industry standards, as well as for achievements such as developing and registering new national drugs, products, or varieties, based on the type of achievement and the ranking of the contributing unit.

04 Scientific Honors and Platform Development

Cash rewards are given for receiving external scientific honors and for achievements in the development and accreditation of research platforms, based on the type of honor or platform.

During the reporting period, the Company

Invested in innovation incentives, totaling RMB **5.26** million

Individuals receiving rewards, totaling **1,508**

Environmentally Friendly Product R&D

Tongwei remains focused on the research and development of green and sustainable products, integrating environmental friendliness throughout the entire product life cycle, from design and development to production. By promoting the substitution of environmentally friendly materials, reducing the use of consumables, advancing low-carbon improvements in production processes, and conducting green design, the Company minimizes the environmental footprint of its products from the source, reduces their impact on ecosystems, and drives their development toward being greener and more low-carbon. In the PV sector, the Company is committed to enhancing module efficiency, lowering material consumption and carbon emissions, and advancing the transition to green, low-carbon energy. In the agriculture and animal husbandry sector, the Company improves product efficiency and environmental friendliness through R&D in precision nutrition and sustainable resource recycling.

PV Sector– Designing Sustainable Products

Cell Side

Low-current, high-efficiency design

By cutting cells into smaller segments and lowering the operating current, this design reduces thermal and internal resistance losses, decreases the use of metal materials, and improves the energy output efficiency per unit of power.

Localized Poly structure optimization

A localized polysilicon deposition on the back of TOPCon cells optimizes carrier transport, reduces current loss, increases bifaciality, enhances photovoltaic power generation efficiency, and lowers carbon emissions per kilowatt-peak.

P1 structure green optimization technology

Through systematic innovation in cell structure, materials, and processes, this technology resolves issues like process-related bubbles and micro-cracks, improves production yields, and enables mass production of high-power modules while reducing energy consumption and material waste per unit of power.

HJT multi-busbar packaging low-carbon technology

By reducing the current of a single cell, optimizing series layout, and employing a shingled packaging design, this technology increases the screen-to-body ratio and light utilization, thereby reducing material consumption and enhancing the overall energy efficiency of the module.

PV Sector– Designing Sustainable Products

Module Side

High-efficiency, low-carbon TOPCon multi-busbar shingled technology

This technology increases the module area utilization and power density, leading to higher conversion efficiency and lower silicon consumption. The reduced operating current of smaller cells minimizes internal circuit losses and shading effects, and allows for the use of thinner ribbons, which reduces the consumption of metals like copper and tin, ultimately lowering the carbon emissions per kilowatt-peak from a system perspective.

Low-carbon, high-strength steel frame

By replacing traditional aluminum with high-strength steel and optimizing materials and processes, the full life-cycle carbon emissions of the frame are reduced by approximately 60% compared to conventional solutions. This approach also avoids highly polluting surface treatment processes, enhancing strength and corrosion resistance while reducing the environmental load.

Lightweight, recyclable Glass-Fiber-Reinforced polyurethane composite frame

The module uses non-metallic, lightweight materials, reducing energy consumption from metal smelting and transportation. It is free of heavy metals and volatile harmful substances and is recyclable, achieving low-carbon characteristics and high reliability throughout the module's production, use, and recycling stages.

Eco-friendly silicone sealant

This sealant uses a de-alcoholized curing system to replace the traditional de-oxime process, reducing emissions of VOCs and harmful by-products.

High-altitude reliability verification

By establishing empirical power stations in extreme environments, such as at an altitude of 4,600 meters, the Company validates the reliability and power generation efficiency of its modules through on-site data, ensuring stable operation in complex conditions and reducing carbon emissions per kilowatt-peak.

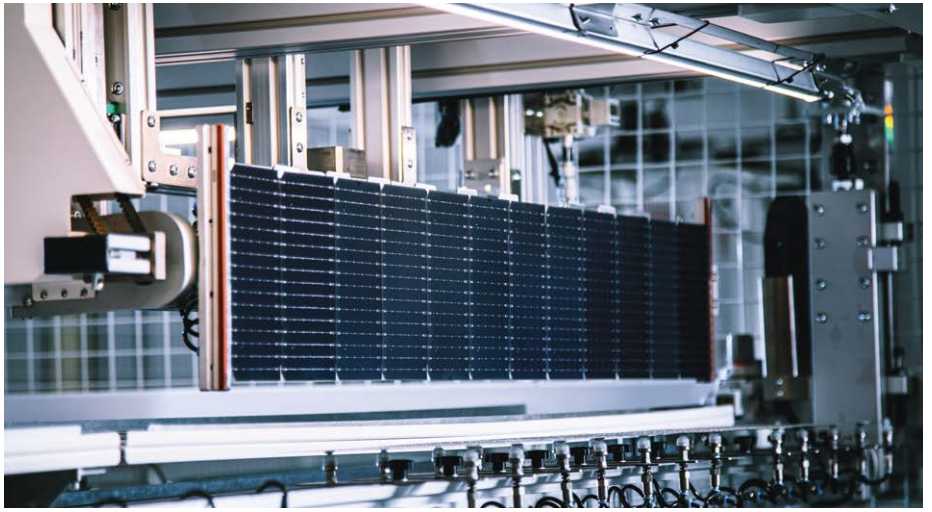
Agriculture and Animal Husbandry – Developing Green Agriculture

Aquatic precision nutrition and low-carbon farming

Tongwei Agriculture collaborates with universities and research institutions to conduct research on precision aquatic nutrition, building a dynamic nutritional database. By optimizing core nutritional parameters such as protein, amino acids, and vitamins, it achieves a lower feed conversion ratio, improved muscle quality, and reduced total nitrogen emissions in tailwater. This effectively addresses growth inhibition and environmental pollution caused by extensive feed use, promoting the development of aquaculture in a more efficient, low-carbon, and environmentally friendly direction.

Microalgae carbon fixation and resource recycling

Tongwei's microalgae business continues its R&D efforts focused on carbon fixation, resource recycling, phycocyanin, and protein substitution. It utilizes photosynthesis for carbon fixation and resource reuse, closely integrating product development with ecological protection to promote the synergistic improvement of economic and environmental benefits.



Composite Frame Technology Development Project

In 2025, Tongwei successfully developed Glass-Fiber-Reinforced Polyurethane (GRPU) composite frame technology as a new material solution for photovoltaic module frames. This technology aims to address the environmental and performance drawbacks of traditional aluminum alloy frames, such as high production energy consumption, a large carbon footprint, and insufficient corrosion resistance. It also meets the higher requirements for module reliability, environmental friendliness, and aesthetic diversity from markets such as offshore photovoltaics, agri-photovoltaics, fishery-photovoltaics, residential distributed generation, and high-end overseas markets. By replacing traditional aluminum profiles with glass-fiber-reinforced polyurethane, the composite frame achieves three major breakthroughs in environment and performance.

- **Low carbon footprint:** Certified by TÜV Süd, the product carbon footprint of the composite frame is only 3.46-3.51 $kgCO_2e/kg$, which is approximately 15% of that of an aluminum alloy frame;
- **High performance:** The tensile strength reaches 990 MPa, approximately four times that of aluminum frames. The material's coefficient of thermal expansion is similar to that of glass, effectively preventing glass cracking. It is also non-conductive, which reduces the risk of potential-induced degradation (PID), and exhibits excellent resistance to acid and alkali corrosion.
- **Cost reduction potential:** After mass production, structural optimization and procurement strategies are expected to further reduce the cost of composite frames by 30%, providing an innovative path for the green and low-carbon development of photovoltaic modules.

Intellectual Property Protection

Intellectual Property Management System

As a national model enterprise for intellectual property, Tongwei integrates intellectual property management into its corporate strategy and has built an industry-leading, full-lifecycle intellectual property management system. The Company strictly adheres to laws and regulations such as the *Patent Law of the People's Republic of China* and the *Trademark Law of the People's Republic of China*, as well as the *Enterprise Intellectual Property Management Standard* (GB/T 29490-2013), while continuously improving its intellectual property management system. In 2025, the Company introduced the *Administrative Measures for Third-party Intellectual Property Service Agencies* and the *Control Procedures for the Cultivation of High-value Patents* to further regulate the management of third-party service agencies and promote the cultivation and management of high-value patents.

In the PV sector, the Company has a dedicated intellectual property team deeply integrated into the R&D system, establishing a full-chain management process of "discovery and layout—risk prevention and control—operational commercialization". This process transforms core technological achievements into high-value patent assets, supporting global business expansion. In the agriculture and animal husbandry business sector, the Company has fully embedded the application, approval, management, and protection processes for various scientific research achievements into its research management system. This creates a closed-loop connection between front-end R&D projects, incentive applications for achievements, and back-end commercialization, building a comprehensive intellectual property management system that covers declaration, protection, and commercialization.

Intellectual Property Risk Control

In 2025, the Company systematically conducted intellectual property risk identification, assessment, response, and monitoring, building a multi-dimensional risk prevention and control system and integrating intellectual property risk control mechanisms into key business areas such as R&D, production, and sales. The Company has established a patent risk response mechanism by formulating and implementing the *Reporting Mechanism for Unexpected Patent Events* and the *Administrative Measures for Responding to Tongwei's Patent Disputes*, ensuring that patent risks are promptly discovered, effectively addressed, and proactively prevented. During the reporting period, the Company was not involved in any intellectual property infringement litigation cases.

Risk Identification	Each month, the technical department monitors external intellectual property information through external patent databases, screens and analyzes relevant patents, and organizes professional staff to compile quarterly analysis reports.
Risk Assessment	All departments regularly monitor the intellectual property compliance of their products and processes, analyze potential disputes and their impacts, and propose prevention and response plans. Before disclosing information externally, necessary intellectual property compliance and confidentiality reviews are conducted.
Risk Response	In the event of an intellectual property dispute, the Company assesses options such as negotiation, litigation, arbitration, or mediation based on the specific circumstances and selects the appropriate course of action to protect its intellectual property rights and interests.
Risk Monitoring	Professional agencies are commissioned to conduct patent and trademark analysis and early warnings. Trade secrets are monitored in real time through system access logs and access control management. The legal department regularly assesses potential non-compliance situations and reports investigation findings to management to ensure fair and impartial handling.

Joint Intellectual Property Innovation and Compliance Practices in The Crystalline Silicon Photovoltaic Industry

In April 2025, Tongwei Solar (Chengdu) Co., Ltd. led the establishment of the nation's first intellectual property innovation consortium for the crystalline silicon photovoltaic industry. The consortium brings together over 10 leading enterprises and top research institutions to explore an innovative model of "chain leader guidance—platform support—ecosystem collaboration", aiming to enhance industrial synergy and strengthen intellectual property protection and application. In 2025, the Company successfully obtained certification under the Requirements for Enterprise Intellectual Property Compliance Management System (GB/T 29490-2023). This has enabled the development of a full-chain intellectual property compliance system covering R&D, production, and all stages of the industrial chain, providing a solid foundation for standardized, efficient, and high-quality intellectual property management and promoting industrial innovation and sustainable development.

Group Photo Commemorating The Official Establishment of The Sichuan Crystalline Silicon Photovoltaic Industry Intellectual Property Innovation Consortium

2025 Tongwei Patent Profile

Indicator	Unit	PV sector	Agriculture and Animal Husbandry Sector	Total
Granted Invention Patents	Units	123	7	130
Granted Utility Model Patents	Units	817	53	870
Invention Patent Applications	Units	613	29	642
Utility Model Patent Applications	Units	1,135	16	1,151

Innovative Cooperation and Development

Industry-Academia-Research Cooperation

Leveraging its industrial innovation center platform, Tongwei engages in deep industry-academia-research cooperation with upstream and downstream enterprises in the industrial chain, as well as domestic and international universities and research institutions. This collaboration explores cutting-edge application scenarios such as photovoltaic energy storage integration and space-based photovoltaics, capitalizing on the platform's leading role in industry resource integration and technological innovation to help the photovoltaic industry practice sustainable development. In 2025, the Company released the Administrative Measures for Industry-Academia-Research Cooperation Projects, establishing standardized approval processes for key aspects such as partner qualification reviews, clear delineation of rights and responsibilities, signing of confidentiality agreements, and ownership of intellectual property. Through institutionalized management and risk control, the Company ensures that its Industry-Academia-Research cooperation is legally compliant and proceeds steadily, achieving complementary advantages, efficient resource integration, and high-quality commercialization of cooperative outcomes.

Industry-Academia-Research Cooperation Projects of Tongwei (Selected)

PV Sector

Sichuan Provincial Major Science and Technology Special Project: "Research and Development of High-reliability Perovskite/Crystalline Silicon Tandem Solar Cells and Related Systems"

In collaboration with the University of Electronic Science and Technology of China, Southwest Petroleum University, Sichuan University, the Sichuan Research Institute of Shanghai Jiao Tong University, and Southwest Electric Power Design Institute Co., Ltd. of China Power Engineering Consulting Group, this project explores the design and fabrication of high-reliability full-size perovskite/crystalline silicon tandem solar cells, the technological development and large-scale production of high-reliability perovskite/crystalline silicon tandem modules, and the design, construction, demonstration, and intelligent operation and maintenance systems for tandem module demonstration power stations.

Sichuan Provincial Special Project for Central Government Guidance on Local Scientific and Technological Development: "Research on Key Technologies for Low-cost Metal Electrodes in N-Type Solar Cells"

In cooperation with Xihua University, this project leverages the university's strengths in testing, characterization, and power generation systems, combined with the Company's extensive experience in developing new-structure batteries, to conduct research on low-cost metal electrodes for N-type solar cells.

Agriculture and Animal Husbandry sector

Sichuan Provincial Key Laboratory Cooperation: "Construction of the Sichuan Provincial Key Laboratory for Aquatic Health and Smart Aquaculture"

The Sichuan Provincial Key Laboratory for Aquatic Health and Smart Aquaculture is jointly established with Sichuan Agricultural University, the Sichuan Provincial Fisheries Research Institute, and Sichuan Runzhao Fishery Co., Ltd. Focusing on food security and ecological protection, it conducts research on aquatic nutrition, aquaculture ecosystem restoration, disease prevention and control, and smart aquaculture.

Multi-institutional collaborative R&D project with universities and research institutes: "Nutritional regulation and precision feed technology for high-quality and safe fish"

In collaboration with Zhejiang University, Shanghai Ocean University, Guangdong Ocean University, Ningbo University, Yancheng Institute of Technology, and the Freshwater Fisheries Research Center of the Chinese Academy of Fishery Sciences, this project focuses on the research and development of factory-farmed shrimp feed and animal nutrition regulation. Its goal is to build a reserve of core technologies for new aquaculture models and promote the sustainable development of aquaculture.

Promoting Industry Development

Tongwei is deeply involved in building the industry ecosystem. As a formal member of several industry associations holding relevant positions, it actively participates in developing national and industry standards. The Company also attends seminars, industry conferences, and forums to promote technological progress and High-quality development in the photovoltaics and agriculture & animal husbandry industries.

In 2025, Tongwei actively participated in major domestic and international industry conferences and academic seminars, sharing cutting-edge technological achievements and practical experience in its two major business sectors, including the PV sector and the agriculture and animal husbandry sector. In the PV sector, we promote industrial innovation, standard-setting, and technological collaboration by hosting and participating in domestic and international photovoltaic technology forums. In the agriculture & animal husbandry, we actively host and participate in industry conferences related to aquaculture, feed, and Microalgae, building a platform for Industry-Academia-Research exchange and promoting collaborative technological innovation and the establishment of industry standards.

As of the end of the reporting period, the Company

Participated in the development and revision of industry standards, totaling over
200

Including national standards totaling over
100

Participated in industry association exchange events, totaling over
120

Leading Technological Innovation from TNC 2.0 to TNC 3.0

In 2025, Tongwei's TNC 2.0 series of photovoltaic modules received a “Highly Commended” recognition at the PV Magazine Award 2025 for their exceptional technological innovation and ultimate performance, highlighting the Company's leadership in the TOPCon technology route. As the industry benchmark for front-side efficiency, TNC 2.0 demonstrates the immense potential of this technology, while the upcoming TNC 3.0 module will create new value for global power station owners with a conversion efficiency of 24.8% and a maximum power output of 770W, continuing Tongwei's leading edge in photovoltaic innovation.

Received the Jury’s “Highly Commended” Award

The 8th China International Photovoltaic and Energy Storage Industry Conference 2025

In November 2025, the 8th China International Photovoltaic and Energy Storage Industry Conference was held in Chengdu. The conference, themed “Illuminating the Future with PV and Storage, Empowering through Integration, and Innovating with Intelligence”, spanned four days and featured 45 sessions. It attracted over 2,000 government leaders and industry experts, more than 5,000 supply chain enterprises, and over 100 overseas buyers. The event facilitated signed contracts totaling over RMB 33 billion and led the release of major outcomes such as the Chengdu Declaration and the Photovoltaic Industry Sustainable Supply Chain Initiative. As one of the corporate co-organizers, Tongwei was deeply involved in the conference organization and its core agenda, fully demonstrating its active role and industry responsibility in promoting the sustainable development of the global photovoltaic and energy storage industry.

The Conference Opening Ceremony

The First Photovoltaic CTO Summit and Technological Innovation Conference

In 2025, Tongwei successfully hosted the first Photovoltaic CTO Summit and Technological Innovation Conference, gathering top scholars from the global photovoltaics field. Attendees included the “Father of Solar Energy” Martin Green, Shen Hui, and Shen Wenzhong, along with over ten CTOs from leading enterprises and dozens of chairpersons and technical heads from well-known industry companies. The event featured multiple innovative presentations and a CTO roundtable forum, delivering a vibrant technological feast. The conference's online and offline live broadcasts attracted a cumulative total of over 20,000 views and garnered more than 100,000 exposures across all media, underscoring Tongwei's technological leadership and innovative influence in the photovoltaics industry.

The first Photovoltaic CTO Summit and Technological Innovation Conference

Tongwei at Intersolar Europe 2025

In May 2025, Tongwei participated in Intersolar Europe 2025 in Munich, Germany, where Dr. Xing Guoqiang, Photovoltaics Chief Technology Officer, delivered a speech on the technological advantages and customer value of TNC 2.0 modules. TNC 2.0 modules leverage innovative processes such as 0BB 908 technology, TPE edge passivation, Poly Tech, and steel mesh printing to achieve comprehensive performance improvements. At the same time, the use of organic silicone adhesive instead of Pad dot connections reduces shading area and internal stress, decreasing the risk of cell micro-cracks by 30% and significantly enhancing module reliability. Through this technical exchange with the international photovoltaics industry, the Company actively shared its experience in high-efficiency module R&D, further demonstrating its leading role in photovoltaic technology innovation and industrial upgrading.

Speaking at Intersolar Europe 2025

Launch of the Supply Chain ESG Stewardship Initiative (SCSI)

In June 2025, at the "2025 ESG and High-quality Development Innovation Forum", Tongwei, together with several leading industry enterprises, jointly launched the "Supply Chain ESG Stewardship Initiative" (SCSI). The initiative, centered on environmental friendliness, social responsibility, and efficient governance, aims to promote a sustainable and resilient supply chain ecosystem. Addressing current issues like inconsistent supply chain ESG audit standards and high costs from repetitive audits, the initiative proposes that enterprises jointly develop a scientific and inclusive supply chain ESG evaluation standard system. It also seeks to promote standard mutual recognition and practical implementation through multi-party dialogues, joint research, and the translation of results, fostering the integration of supply chain ESG performance with Green Finance innovation and helping enterprises integrate more efficiently into the global value chain.

The Innovation Forum

Tongwei's Participation in Standards Development in 2025 (Seclected)

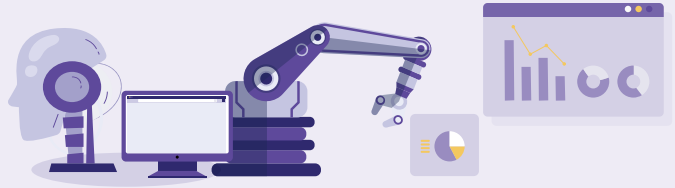
PV Sector

Standard Number	Standard Name	Standard Category
SEMI Standard	Guideline for Connection of Secondary Piping of TMA Injection Systems for Photovoltaic Coating Equipment	International
SEMI Standard	Glutaric Acid Corrosion Test for Crystalline Silicon Photovoltaic Cells	International
GB/T 46566-2025	Requirements for Greenhouse Gas Management Systems	National
GB/T 46988-2025	Photovoltaic Modules - Non-uniform Snow Load Test	National
GB/T 29195-2025	General Specification for Terrestrial Crystalline Silicon Photovoltaic Cells	National
GB/T 2296-2025	Nomenclature for Photovoltaic Cell and Module Models	National
WM/T 19-2025	Low-carbon Evaluation Requirements for Photovoltaic Module Export Products	Industry
NB/T 11897-2025	Technical Specification for Hybrid Photovoltaic Power Generation Projects	Industry
T/CPIA 0110—2025	Solder Paste for Crystalline Silicon Photovoltaic Modules	Group
T/CPIA 0118—2025	Test Method for Mechanical Loads on Lightweight Crystalline Silicon Photovoltaic Modules	Group
TCPIA 0140—2025	Performance Requirements for Smart Photovoltaic Module Shutdown	Group
T/CPIA 0143—2025	Test Method for Ultraviolet-induced Degradation of Terrestrial Crystalline Silicon Photovoltaic Modules	Group
T/CPIA 0155—2025	Greenhouse Gas - Product Carbon Footprint Quantification Method and Requirements - Photovoltaic (PV) Cells and Silicon Materials	Group
T/CMEPCA 120—2025	General Guidelines for the Systematic Planning and Construction of New Energy Bases in Sandy, Gobi, and Desert Regions	Group
T/CPIA 0030.2—2025	Pastes for Crystalline Silicon Photovoltaic (PV) Cells - Part 2: Backside Silver Paste - Sintered Silver Paste	Group

Agriculture and Animal Husbandry Sector

Standard Number	Standard Name	Standard Category
GB/T 40064-2024	Guidelines for Evaluating Energy-Saving Technologies	National
GB/T 17818-2025	Determination of Vitamin D3 in Feed - High Performance Liquid Chromatography	National
GB/T 17812-2025	Determination of Vitamin E in Feed - High Performance Liquid Chromatography	National
GB/T 45208-2025	Determination of Capsanthin in Feed - High Performance Liquid Chromatography	National
GB/T 6433-2025	Determination of Crude Fat in Feed	National
NY/T4687-2025	Determination of Propionic Acid and Propionates in Compound Feed Additive Mold Inhibitors - High Performance Liquid Chromatography	Industry
NY/T 4685-2025	Determination of Organic Acids in Compound Feed Additive Acidity Regulators - High Performance Liquid Chromatography	Industry
T/ SAFI 001- 2025	Technical Specifications for Modern Feed Enterprises in Sichuan Province	Group

Digital Transformation



Digital Transformation Strategy

Under the guidance of its Digital 4.0 strategy and centered on an AI development blueprint of being “led by one platform, driven by dual centers, and empowered at three levels”, Tongwei is steadfastly advancing the implementation path of “One Cloud, One Network, One Center, One System, and One Special Project” to build a fully integrated cloud, network, and terminal infrastructure, promote comprehensive synergy between digital intelligence and business operations, continuously strengthen its digital capabilities for real-time online access, data-driven insights, and intelligent operations, and accelerate the achievement of its strategic goals for a “Digital Tongwei and Smart Tongwei”.

One Cloud

As the core engine of Tongwei's Digital 4.0, Tongwei Cloud has formally established a globalized operational standard system covering four key dimensions: architectural design, intelligent operations and maintenance, cost optimization, and security compliance.

Leveraging cloud-based practices, the Company continues to build a new-generation cloud-native architecture. By precisely adapting to the needs of multiple PV sector through business layering and grading, it has completed active-active intra-city transformations for 15 key business systems and validated remote disaster recovery plans, achieving a dual upgrade in both business continuity and disaster recovery capabilities.

By 2025, Tongwei Cloud will complete the full cloud deployment of over 30 core business systems for the Company's headquarters and various segments, achieving zero infrastructure failures and zero data security incidents. It will support the stable operation of over 650 cloud servers, more than 30 TB of memory, and over 110 databases, increasing business launch efficiency by 100% and reducing resource costs by 38% compared to the traditional IDC model.

One Special Project

Seizing the opportunity to build a Lighthouse Factory, the Company has established the “Tongwei Standard Lean Intelligent Management System” to drive the comprehensive Digital Transformation of the PV sector, empower the development of various business entities, and lay a solid foundation for achieving a company-wide Digital Transformation.

At its Meishan solar energy base, the Company has built the industry’s first battery Lighthouse Factory and established the “Tongwei Lean Intelligent Management System” to drive the Digital Transformation of the PV sector. The project was completed in seven months, deploying over 50 advanced digital use cases (with 64% AI coverage). It achieved single-wafer-level traceability, rapid improvements in TOPCon production line indicators, and cost reductions while increasing battery efficiency. More than 500 engineers participated in the transformation, which reduced fine-line printing defect rates by 47%. The photovoltaic power produced can supply 11 million people (11 TWh/year) and reduces carbon dioxide emissions by 6 million tons annually. The project was recognized as the world's first battery Lighthouse Factory and the first Lighthouse Factory in Sichuan Province, setting a benchmark for intelligent manufacturing and promoting the construction of Lighthouse Factories in the Group's other business PV sector.

One Network

During the Digital 4.0 phase, a new-generation enterprise network based on SD-WAN technology was successfully introduced, creating a highly efficient, flexible, and secure global “One Network” architecture.

By 2025, the Company will use a centralized management platform to achieve intelligent traffic scheduling and multi-path redundancy, enabling rapid provisioning, elastic scaling, overseas acceleration, and fault self-healing capabilities, thereby strongly supporting the comprehensive integration of cloud, network, and terminals. Throughout the year, the number of physical network links increased from 84 to 196, a 2.3-fold rise, significantly enhancing network redundancy and fault tolerance. Total bandwidth grew 2.6 times, from 2,740 Mbps to 7,220 Mbps, greatly improving network operational efficiency. The cost per unit of bandwidth decreased by 70%, resulting in total annual savings of RMB 17.8512 million. Additionally, by optimizing the headquarters' internet lines and further streamlining redundant links, an additional RMB 468,000 can be saved annually, highlighting outstanding overall cost-effectiveness.

One Center

The new-generation smart digital operation center comprises two core modules—data asset development and the smart digital operation center project—to achieve unified, standardized, and asset-based management of company-wide data, significantly enhancing data integrity and application value and fully leveraging the coordinating and empowering role of the “One Center”.

Application Development

Analysis system: Centered on six major business PV sector of the photovoltaics industry chain and covering five business domains—production, supply, sales, finance, and human resources—201 thematic analysis reports have been created to enable cross-domain data linkage and detailed drill-down analysis, enhancing the sophistication of operational management;

Business monitoring: The system launched a dynamic monitoring function for component sales prices, which automatically triggers an alert if a sales price falls below a preset floor price. During the reporting period, over 1,000 price anomaly events were identified, effectively strengthening business risk management and control capabilities.

Intelligent Reporting: Leveraging AI analytics, the system can automatically identify the causes of data fluctuations and generate structured reports. The component marketing monthly analysis function has been fully implemented, significantly enhancing analysis efficiency and accuracy.

Data Construction

The Company has transformed offline, dispersed, and ambiguously defined data indicators into standardized, transparent, and unified online data assets. To date, a comprehensive review and standard definition of 790 of the Company's business indicators have been completed, achieving a company-wide data standard of “one indicator, one standard, one set of data”. This has laid a solid foundation for cross-departmental collaborative analysis.

One System

With the construction goals of “collaboration, intelligence, and ecosystem”, the Company has broken down existing data and business barriers to build a company-wide, digitally integrated office platform.

1. Intelligent Finance

- Business-Finance Integration and System Consolidation: This year, the Finance Sharing 2.0 initiative focused on system integration and continuous optimization. The Company addressed and resolved over 2,000 issues and optimization requests related to business pain points, organized more than 70 solution review meetings, implemented over 1,000 optimization measures, and completed the design and implementation of more than 70 solutions, effectively reducing operational risks.
- Intelligent Auditing and AI Applications: The intelligent review system has been launched, enabling an “AI pre-review + manual re-check” model for the automated processing of high-frequency, standardized documents. For expense reimbursement audits, 49 AI rules have been implemented, covering 18% of business transactions with an audit accuracy rate of approximately 86%, effectively enhancing financial management efficiency and compliance.
- Comprehensive Budgeting Digital Upgrade: The comprehensive budget management system now covers the entire photovoltaics industry chain, with fully launched functions for calculation, rolling forecasts, adjustments, control, and assessment. It has connected over 100 system interfaces, achieving interconnectivity with ERP, financial sharing, HR, and other systems. The budget consolidation cycle has been shortened from one month to one week, a 75% improvement in efficiency. For the first time, daily profit, inventory, cash flow, and balance sheets have been incorporated into the budgeting system, creating a budget closed-loop that closely reflects actual operations.

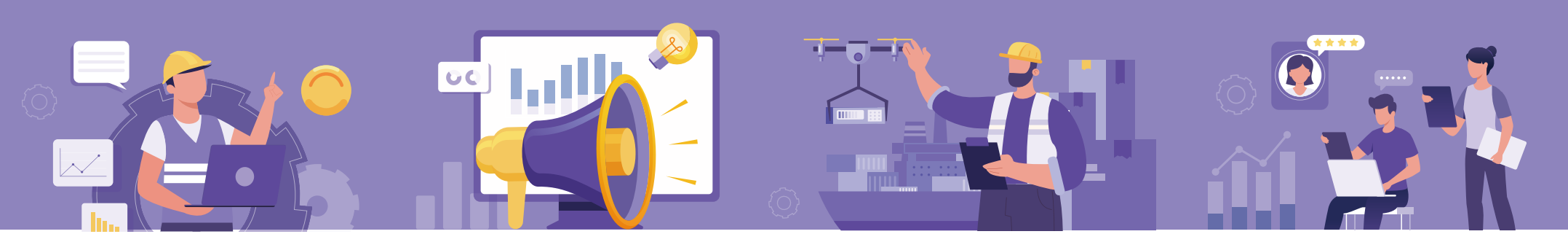
2. Smart Marketing

- The Company has built a digital and intelligent operating system centered around “Marketing Express”, “One-click Portal”, and “Service Express” to cover the entire marketing business process. As a mobile business management platform, Marketing Express covers everything from customer visits to opportunity win-rate management, with significant increases in sales usage and activity. One-click Portal, a portal for distributor clients, covers all scenarios from online ordering to fulfillment tracking, improving ordering efficiency by 90% and reducing contract signing times from days to hours. Service Express enables end-to-end online, visible, closed-loop management of customer complaints from application to evaluation, handling over 1,600 complaints and improving response speed and customer satisfaction. Throughout the year, over 100 CRM functions were optimized, and numerous approval nodes and business processes were streamlined and improved, strengthening business compliance and risk management capabilities.

3. Smart Supply Chain

With its SRM platform at the core, the Company focuses on “unification, intelligence, risk control, and collaboration”, continuously advancing the digital transformation of its procurement Supply Chain to achieve unified management of processes across multiple segments and all business formats. Through system optimization and intelligent upgrades, Supply Chain Management efficiency has significantly improved, costs have been effectively controlled, and key risks are manageable.

- In terms of platform consolidation and foundational optimization, system enhancement and standardization efforts continued throughout the year. The Company's Information Department led the standardization of procurement user permissions across the entire platform, reviewing and cleaning up nearly 3,000 accounts based on the “principle of minimum necessary permissions”. This established a standardized permission management process, significantly enhancing data security and control.
- In intelligent capability building, the third phase of the SRM project introduced three major modules: the “Intelligent Q&A Assistant”, the “Supplier Profiling Assistant”, and the “Intelligent Risk Control Assistant”, enabling data insights and business empowerment. Since its launch, the Intelligent Q&A Assistant has reduced the time for employees to query regulations and processes from 15 minutes to under 30 seconds. The Supplier Profiling Assistant has created a comprehensive view of suppliers, providing data-driven decision support for selection, evaluation, and collaboration. The Intelligent Risk Control Assistant has identified 3,119 high-risk supplier records, leading to the verification and blacklisting of 34 suppliers, thereby enabling proactive risk management. These three modules, developed using a model of “internal autonomy + external data empowerment”, saved approximately 550 person-days, equivalent to a cost reduction of about RMB 1.375 million, while achieving technological independence and cost efficiency.



4. Digital Human Resources

Building on the established “Tongwei Integrated Digital and Intelligent HR Platform”, which has digitized the entire lifecycle of organization and personnel management and implemented a “flexible workforce under a flexible supply chain” model, our human resources digitalization will now focus on uncovering talent value and enhancing management effectiveness. This deepens the Digital Transformation to support business strategy. Key initiatives include advancing intelligent talent development and cadre management by building an AI-driven cadre assessment system and a job rotation management platform to create personalized talent development maps. The performance management system will be restructured for full-process online closed-loop management, strengthening data insights and Cross-Industry-Chain collaborative assessments. The training system's digitalization will be deepened by building an intelligent learning platform and establishing a mechanism to track the conversion of training effectiveness. The flexible workforce ecosystem will be enhanced by expanding platform capabilities and building a benefit evaluation model. The integrated application of “Baixiaotong + Cangqiong AI + Large Language Models” will be deepened to improve the accuracy of AI assistants, facilitate the implementation of AI+HR scenarios, and comprehensively drive the enhancement of organizational capabilities.

5. Smart Office

Centered on “FBC+iTongwei”, the Company has built an integrated smart office platform for all its divisions, covering documents, email, meetings, scheduling, instant messaging, and a workbench. This platform has integrated over 300 systems, enabling mobile approval and real-time reminders for over 90% of processes. It boasts a 94% monthly active user rate, an average of 800,000 IM messages per day, approximately 6 million stored documents, 513 smart assistants, and an average of 50,000 meetings per month. The platform covers business, administration, investment review, case management, and employee care fund management, achieving full-process digitalization, data standardization, intelligent approval, and proactive risk control. It also uses an AI smart assistant to optimize office efficiency and experience, supporting the Company’s efficient collaboration and integrated strategic development.

At the same time, Tongwei is actively exploring the use of digital technology to empower product full-lifecycle information management, proactively preparing for new international sustainability regulations. In response to the Digital Product Passport (DPP) requirements proposed by the EU's *Ecodesign for Sustainable Products Regulation* (ESPR), the Company has initiated forward-looking research on DPP for photovoltaic modules. This aims to achieve transparent disclosure of product environmental information through digital means, meeting the demands of overseas markets for traceability and sustainability.

Furthermore, Tongwei continues to promote the development of digital talent and enhance their capabilities. The Company has built a comprehensive, multi-layered, and continuously evolving digital talent cultivation system focused on AI agent applications, data analysis, and AI technology innovation. It organizes internal innovation competitions, professional certifications, and skills training to enhance employees' practical abilities in areas such as AI application development, intelligent operations and maintenance, and digital business management. This provides the talent and intellectual support for the Company's Digital Transformation and business innovation.

Tongwei’s “AI Agent Competition”

In 2025, Tongwei held the finals and award ceremony for its information system’s “AI Agent Competition” at the Tongwei International Center. Ten finalist teams, composed of employees from the corporate headquarters and various segment information departments, competed. The judging panel consisted of experts from Kingdee, Alibaba Cloud, and Volcengine, as well as company management. The competition collected 33 AI agent projects covering areas such as office efficiency, process optimization, risk control, and intelligent employee care. Awards were determined through live demonstrations, judge commentary, and professional evaluation, aiming to uncover innovative applications of AI technology in business scenarios, advance the digital and intelligent transformation, and support the implementation of the Company's Digitalization 4.0 strategy.

Intelligent Production

PV Sector

Focusing on the goal of intelligent production for the PV sector, the Company continues to advance automated production line upgrades, digital system deployments, and the application of big data technology to comprehensively enhance production efficiency and process control capabilities.

Lean and Smart Manufacturing Transformation	Through upgrades to automated and intelligent production lines, the number of process operators per GW was reduced from 257 to 159, achieving a 56.67% increase in production efficiency and a 39.98% decrease in operating costs.
AI-powered Electroluminescence (EL) Inspection and Re-Evaluation	Through the "AI-based Online EL Re-evaluation and Sorting Personnel Efficiency Optimization Project", the rate of upgrading Grade B to Grade A wafers in FQC re-evaluation was increased by approximately 15%. This reduced the number of re-evaluation personnel by about 4 people, decreased breakage from secondary processing by around 90,000 wafers, and generated an annual benefit of approximately RMB 500,000.
AI and Big Data-driven Quality Control System	Through real-time SPC monitoring of process parameters, AI-powered visual defect identification, and big data-driven quality trend prediction, the system has shifted from "post-event response" to "proactive prevention". After implementing the EPL score model, the misjudgment rate decreased by 91% and the miss rate fell by 57%, reducing the annual volume of manual re-inspections by 73 million wafers and cutting quality costs by RMB 6.14 million.
Full-process Information Collection	New information collection systems were added for each process step, enabling full-lifecycle data coverage and analysis. The time for process spot checks was reduced from 8 hours per day to 2 hours, significantly improving inspection efficiency.
Wafer-level Precision Traceability	A wafer-level quality traceability mechanism was established, which reduced the product defect rate by 1.50%, decreased the quality loss rate by 69.29%, and shortened the R&D cycle by 29.17%.

Agriculture and Animal Husbandry Sector

The Company's agriculture and animal husbandry sector is actively advancing digital production, leveraging a digital and intelligent manufacturing platform and an intelligent operation and maintenance system to achieve full-process digitalization, standardization, and transparency in feed production and aquaculture management. By integrating ERP, MES, IoT, and SCADA systems, the sector has enabled vertical information flow and horizontal collaboration, providing data support for production process control, business decision-making, and performance management, which effectively enhances production efficiency, management precision, and business decision-making capabilities. In 2025, digitalization will be fully implemented across all feed factories and aquaculture bases, laying a solid foundation for creating the sector's Lighthouse Factory and achieving intelligent operations.

Smart Factory Construction	Completed the digitalization rollout for 70 feed companies (including marketing companies), integrating ERP, procurement, marketing, formulation, third-party laboratories, and factory MES, near-infrared, and metering terminals with production equipment to achieve standardized production and full-process transparency.
Production Performance Management	Established a three-tier indicator system for business decision-making, management assessment, and job performance based on the digital and intelligent manufacturing platform, adding 256 business data reports to support management and decision-making.
Intelligent Operation and Maintenance	Built an operation and maintenance knowledge base and introduced a large AI model to provide users with self-service operational guidance and anomaly handling, enabling rapid resolution of maintenance issues and improving the efficiency of daily production support.
Automated Feeding Data Collection	Deployed automated equipment and a unified IoT platform at aquaculture bases, reducing manual data entry by over 24,000 entries per day and enabling the integration and analysis of farming data to advance standardization and automation.
Fishery Management Reports	Developed a comprehensive management reporting system covering the entire cycle based on data from the aquaculture platform and SCADA system, enabling performance comparisons and full-cost accounting for individual ponds, batches, and farms, thereby enhancing management transparency and decision-making efficiency.

Product Quality and Safety

Governance

The Company implements a product quality and safety management model featuring unified control by the headquarters and specialized governance by each business sector. It has established tailored quality control systems for its two main businesses, photovoltaics and agriculture and animal husbandry, to organically combine centralized deployment with professional implementation.

In the sector the general manager leads a quality improvement group, with specialized teams established in each subsidiary to focus on targeted improvements for quality pain points. The Quality Management Department coordinates the Company's quality management and supervision, holding monthly quality analysis meetings and quarterly supervisory inspections to ensure timely communication and rapid resolution of quality issues, forming a closed-loop and efficient quality management mechanism. In the agriculture and animal husbandry sector, the technical director oversees product quality and safety. The three major research institutes are responsible for product quality positioning, planning, and formula design, controlling quality from the source. The Quality Management Department handles raw material inspection, process monitoring, risk control, and product performance feedback. The Purchasing Department ensures raw material quality and supply, while the Production Department strictly organizes production according to formulas and is responsible for product quality. At the headquarters level, monthly business analysis meetings, technical center monthly summaries, and weekly meetings are used to coordinate the quality management of both sector. Subsidiaries implement control requirements through monthly business analysis meetings, quality analysis meetings, weekly meetings, morning meetings, and pre-shift meetings.

During the Reporting Period, the Company

Achieved ISO 9001 Quality Management System certification for its sector, with a coverage rate of

100 %

Had companies in its agriculture and animal husbandry sector obtain both ISO 9001 Quality Management and ISO 22000 Food Safety Management system certifications

52

Achieved coverage in the food processing sector

100 %

Strategy

Tongwei places Product Quality & Safety at the forefront of its operational management, adhering to a full life-cycle management approach. The Company advances quality control and risk prevention across all stages, including R&D and design, raw material procurement, manufacturing, and after-sales service, to build a comprehensive, traceable, and improvable quality management system.

Quality Policy

01
- Quality, market, and efficiency are the eternal themes of the Company's development, with quality being the foundation and prerequisite for market and efficiency.

02
- We accurately identify the essential needs of our customers and consistently standardize the awareness and behavior of all employees with the goal of maximizing customer value, strictly controlling the entire process of product quality, from design and manufacturing to use, with professionalism, standardization, and scale.

03
- We continuously improve our quality management system and are committed to building an industry chain that is efficient, continuously value-adding, and irreplaceable, providing safe and stable products to society and achieving win-win development for both the Company and its customers.

Quality Objectives

Tongwei adopts and implements ISO 9001 Quality Management, ISO 37301 Compliance Management, and various specialized management systems. The Company complies with national laws and regulations and strictly controls product quality to achieve the objectives of a 100% pass rate for ex-factory products, zero quality and safety incidents, a 100% user complaint handling rate, and the robust growth of the Company.

The Company has established a full-process quality control system in both its PV and agriculture and animal husbandry sectors, covering five key stages: new product introduction, incoming material management, in-process management, outgoing inspection, and customer management. Through standardized operations and cross-departmental collaboration at each stage, the Company ensures that the entire process from R&D to delivery is controlled, continuously enhancing product competitiveness and customer satisfaction.

Simultaneously, in the full life-cycle management of its photovoltaic module products, the Company integrates sustainable raw material management into its product design, mass production, and internal training systems, achieving multi-dimensional risk control and capacity building. The Company ensures clear sourcing and controlled use of key raw materials through paste formula optimization, silicon wafer thinning, selection of materials for frames, glass, cells, and junction boxes, and green manufacturing process management. To mitigate the negative environmental and social impacts of raw material production, the Company achieved power gains of approximately 15W for TNC G12R-66 and 20W for G12-66 during mass production iterations. By optimizing paste consumption and reducing energy use in silver mining and production, it has significantly lowered its carbon footprint and material consumption. The Company also ensures that internal stakeholders fully understand their roles and responsibilities in sustainable raw material management through training by the EHS team, collaboration among R&D, manufacturing, quality, and Supply Chain departments, and company-wide promotion of quality and ESG principles.

PV Sector

New Product Introduction

The Company has established systems such as the *Component Product Design and Development Control Procedures*, strictly adhering to four stages: design verification, pilot testing, medium-scale trial production, and R&D transfer. Each stage requires cross-departmental review to ensure the maturity of product design, manufacturing processes, and reliability. Key documents such as BOMs, drawings, technical standards, and the Quality Control Plan (QCP) are generated and finalized at each stage, with all documentation controlled before the R&D transfer.

Incoming Material Management

The Company has established systems including the *Administrative Measures for On-site Quality Audits of Raw and Auxiliary Material Suppliers, Administrative Measures for Quality Evaluation of Raw and Auxiliary Material Suppliers, Administrative Measures for the Acceptance of Copper Chloride, Administrative Measures for the Acceptance of Lime Powder, Administrative Measures for the Acceptance of Graphite Parts, Incoming Material Inspection and Testing Control Procedures,* and *Non-conforming Raw Material Handling Process*. It implements full-process control over raw materials, from supplier qualification and incoming inspection to in-process use, ensuring non-conforming materials are not stored or used in production. Non-conforming materials are identified, segregated, reviewed, and tracked through a closed-loop SCAR process, strengthening supplier collaboration and accountability to drive continuous improvement in raw material quality.

In-Process Management

The Company has formulated systems such as the *Quality Inspection Management System, Quality Check Management System, Administrative Measures for Analytical Testing Waste, Administrative Measures for Product In-process Quality Management,* and *Product Production Process Control Procedures*. During the production process, it strictly follows first-piece inspection procedures (for different timings and projects) and in-process monitoring flows to ensure that personnel, machinery, materials, and methods are all in a controlled state. Additionally, a clear segregation, handling, and tracking mechanism is implemented for any anomalies during the process to guarantee the stability and traceability of products throughout the entire workflow.

Outgoing Inspection

The Company has established systems such as the *Product Inspection Management System, Tongwei Module Finished Product Inspection Standards, Finished Product Outgoing Inspection Control Procedures,* and *Non-conforming Product Control Procedures*. Finished products are subject to random inspection based on standards, and only those that pass are cleared for shipment. Non-conforming products are immediately identified and segregated, and the impact on delivery is assessed, with delivery dates adjusted if necessary. A review is organized for non-conforming products to determine the disposition, such as rework, downgrading, concessional release, or scrapping. Reworked products must undergo re-inspection.

Customer Management

The Company has established systems including the *After-sales Quality Management System, Emergency Plan Management Specifications, Administrative Measures for Customer Complaint Emergency Response Plans, Work Instructions for Handling Customer Returns, Standardized Manual for Customer Complaint Handling,* and *Customer Service Fast-track Claims Plan.* It has built a full-chain customer service mechanism covering complaint response, emergency handling, and rapid claims processing. Through standardized complaint handling procedures, clear guidelines for returns, and emergency response plans, the Company ensures that customer issues are resolved promptly and professionally.

Agriculture and Animal Husbandry

Furthermore, in the lifecycle management of agri-animal husbandry products, the Company fully considers the natural properties and safety risks of raw materials from the product design stage. For natural hazards such as heavy metals and mycotoxins that may arise from objective factors like geographical environment, climate, harvesting, and storage of raw materials like grains and crops, the R&D team mitigates or dilutes potential risks at the source through scientific raw material combinations and nutritional adjustments in product formula design. This effectively reduces resource waste and environmental burdens caused by non-compliant raw materials. At the same time, by prioritizing the procurement of raw materials that meet local environmental standards and establishing a raw material risk database and dynamic assessment mechanism, the Company systematically analyzes the characteristic indicators, historical testing data, and environmental conditions of various raw materials. This approach reduces the potential negative social impacts on farmers' livelihoods, producers' interests, and public health that could be caused by raw material contamination or quality defects, shifting safety controls upstream to the formula design stage. This design-driven risk management strategy not only ensures the achievement of a 100% pass rate for finished products but also consistently supports a 100% pass rate for feed products in various supervisory spot checks.

New Product Introduction

During the new product introduction stage, the Company's technical center is responsible for designing and adjusting product formulas, with all formula adjustment documents strictly archived and managed. The core of this stage is to ensure that product design complies with national laws, regulations, and industry standards, such as the *Regulations on the Administration of Feed and Feed Additives*, from the outset. This lawful and compliant formula design lays the foundation for quality control in all subsequent stages.

Incoming Material Management

In the incoming material management stage, the Company conducts rigorous inspections on all raw materials entering the factory in accordance with the *Raw Material Acceptance System*, ensuring that their quality meets the requirements of the *Hygienic Standard for Feeds* and the ISO 9001 quality management system. At the same time, through the *System for Quality Monitoring of Long-term Inventory Raw Materials,* it periodically monitors stored materials to prevent quality degradation due to prolonged storage, thereby eliminating non-conforming materials from entering the production process at the source.

In-Process Management

In the in-process management stage, the Company strictly enforces the *Formula Execution Management System* to ensure that production operations strictly adhere to the formulas issued by the technical center. Concurrently, leveraging the *Non-conforming Product Management System*, any non-conforming products generated during the production process are promptly segregated, identified, and handled in a standardized manner, safeguarding the consistency and stability of in-process products.

Outgoing Inspection

During the final inspection stage, the Company conducts rigorous outbound inspections of finished products in accordance with the “Product Inspection System” and the “Inspection Management System” to ensure a 100% pass rate for delivered products. Concurrently, finished products are systematically retained as samples for observation according to the “Product Sample Retention and Observation System”, facilitating quality traceability and continuous monitoring of product stability.

Customer Management

In the customer management process, the Company verifies product performance in real-world application scenarios by continuously tracking product efficacy and collecting customer feedback. Quality information from the market serves as crucial input for front-end R&D and production improvements, creating a closed-loop management system from “customer use” to “product optimization” that continually enhances product quality and customer satisfaction.

Impact, Risk, and Opportunity Management

Quality and Safety Risk Management System

Focusing on its two core segments, photovoltaics and agri-animal husbandry, the Company has established and operates a full-process Product Quality & Safety risk management system. In accordance with the "Quality, Environmental, and Occupational Health and Safety Management System Manual" and the "Risk and Opportunity Control Procedures", this system identifies, assesses, and responds to various potential risks throughout the product lifecycle, while continuously exploring competitive opportunities arising from upgrades in quality management.

PV Sector

Risk Identification	Each department identifies risks and opportunities that may affect the achievement of quality objectives based on processes such as production, design and development, Supply Chain, inspection, and service, considering both internal and external environmental factors and stakeholder requirements. The results are recorded in the "Risk and Opportunity Identification and Response Measures Form".
Risk Assessment	The Company evaluates the severity and frequency of occurrence for identified risks, calculates a risk coefficient, and determines the risk level. High-risk items require immediate action, medium-risk items require mitigation measures, and low-risk items are either acceptable or require monitoring.
Risk Appetite	The Company adheres to the principle of "Safety First, Top-ranking Modules", making safety a prerequisite for all business decisions and production activities and resolutely avoiding sacrificing safety for profit. In terms of risk tolerance, the Company has set control thresholds of a 100% completion rate for quality risk rectification and 100% timeliness in handling customer complaints to ensure that all quality hazards are fully resolved and customer demands receive a prompt response.
Risk Response	For different risk levels, the Company adopts measures of risk avoidance, risk reduction, or risk acceptance. Avoidance measures aim to eliminate the conditions creating the risk, reduction measures aim to decrease the loss or probability of occurrence, and acceptance measures are applied to risks with minor or controllable losses.
Risk Monitoring and Review	After implementing risk response measures, each department tracks their progress and evaluates their effectiveness. The Quality Management Department is responsible for organizing periodic reviews to verify the execution of measures and identify opportunities for improvement, ensuring the continued effectiveness of risk control and archiving all relevant records.

Agriculture and Animal Husbandry Sector

Risk Identification	In accordance with relevant laws, regulations, industry standards, and its own production and operational realities, the Company systematically identifies risk points throughout the entire product lifecycle, from formula design to customer use. These primarily include compliance, quality, and safety-related risks in formulation, raw materials, processing, storage, and usage.
Risk Assessment	The Company determines risk priorities by assessing the likelihood of occurrence, severity, and frequency of historical events for risk points in each stage, providing a basis for designing control measures. The assessment covers formulation design, raw material procurement, processing, warehouse management, and product use.
Risk Control	For the identified risk points, the Company establishes multi-level risk control measures covering the entire process of formulation, raw materials, processing, storage, and use. Among these, formulation management focuses on raw material compliance and consistency checks between formulations and product registrations. Raw material management implements supplier controls and handles non-compliant materials. Processing management strengthens monitoring of key indicators, control of production order, and outbound inspections. Warehouse management ensures proper environmental monitoring and safety protection. Usage management supervises transportation safety and guides customers on standardized storage and use.
Risk Monitoring and Review	Each year, the Quality Control Department reviews the completeness of risk identification and the effectiveness of control measures, considering regulatory updates and product quality and safety incidents. This process generates recommendations for improvement and leads to the revision of product quality and safety risk management methods, achieving closed-loop risk management.

Product Quality Testing

In accordance with the ISO 9001 quality management system standard and internal quality and testing management systems, Tongwei conducts regular internal and external product quality tests annually. It has established a comprehensive testing system covering raw and auxiliary materials, the production process, and finished products to ensure stable and reliable product performance.

Internal Testing

- For polysilicon, the Company internally conducts impurity testing on raw and auxiliary materials and performance testing on packaging materials to ensure the quality, safety, and compliance of their use. It also performs impurity and electrical performance tests on polysilicon products to guarantee stable performance that meets requirements.
- The Company regularly samples finished monocrystalline cells and conducts module reliability tests to verify that the performance of the products, once assembled into modules, meets conformity standards, and to promptly identify and expose potential defects.
- Internal tests conducted during the year included testing silicon wafers from the first three cuts of new guide wheels, testing the pure water conductivity of cleaning machines, and testing sorters to ensure the stability and reliability of the photovoltaic (PV) cell production process.

External Inspections

- Inter-laboratory comparisons for polysilicon products are conducted with reference to the national standard "Solar Grade Polysilicon" to ensure that testing capabilities and product performance meet requirements.

Internal Testing

- **Raw Material Testing:** In strict accordance with the Raw Material Quality Standards, every batch of incoming raw materials undergoes batch inspection, routine inspection, and quality and safety monitoring to ensure all quality indicators meet requirements. During the year, a total of 113,518 batches of raw materials were tested, with over 945,000 indicator tests completed.
- **Product Monitoring:** The production process for each product batch is monitored for quality in accordance with the On-site Quality Inspection System and Production Process Standards. Outbound inspection and quality and safety monitoring are implemented according to the "Product Inspection System" and the Company's product standards. During the year, a total of 153,508 product batches were tested, with over 538,000 indicator tests completed.

External Inspections

- In 2025, 68 subsidiaries underwent on-site inspections and sampling by experts from feed regulatory authorities (the Ministry of Agriculture and Rural Affairs and provincial/municipal departments of agriculture and rural affairs) on a total of 153 occasions. A total of 235 samples were tested for over 2,900 indicators, and the pass rate for these spot checks remained at 100%.

Management of Hazardous Substances in Products

The Company places great importance on the potential impact of its products on human health and the ecosystem throughout their lifecycle. It conducts product compliance and environmental health risk assessments, performing comprehensive identification and analysis of raw material selection, production processes, and end products to evaluate the risks of using and emitting potentially hazardous substances, ensuring that products comply with relevant laws, regulations, and international standards.

The Company strictly conducts RoHS product certification work in accordance with the requirements of ISO/IEC Guide 65 published by the International Organization for Standardization, and complies with the EU REACH regulation, Registration, Evaluation, Authorisation and Restriction of Chemicals. It promptly updates its testing and certification protocols in line with the latest regulatory developments. On this basis, the Company has formulated and implemented the RoHS & REACH Compliance Management Measures to manage substances in raw materials that pose risks to human health and the environment throughout the entire process, strictly restricting and substituting the use of hazardous substances. For key materials such as silicon wafers, pastes, packaging materials, and battery cells, the Company commissions qualified third-party organizations to conduct annual testing and assessments to ensure that all materials consistently meet the relevant limit standards. In 2025, the Company completed the development of a water-based flux solution for its TNC 2.0 products, replacing traditional alcohol-based flux with a water-based system that has low volatile organic compound emissions. This change reduces potential impacts on the environment and the health of operators at the source. The related products have passed ROHS, REACH, and other certifications.

During the Reporting Period, 100% of the Company's photovoltaic products passed periodic hazardous substance tests, and no environmental or health risk incidents occurred due to improper management of chemical substances. Through continuous risk identification, assessment, and improvement, the Company constantly enhances the environmental friendliness and safety of its products, providing customers with safer, more reliable, and environmentally compliant product solutions.

WEEE Compliance Management

Tongwei strictly complies with the European Union's Waste Electrical and Electronic Equipment Directive (WEEE Directive) and the Extended Producer Responsibility (EPR) system, establishing a comprehensive WEEE management governance system with a three-tier structure of "Leadership-Management-Execution". The leadership is responsible for overall management strategy and resource allocation; the management layer handles system development, compliance audits, and inter-departmental coordination; and the execution layer, composed of departments such as sales, sales management, product management, finance, and technical support, is responsible for the specific implementation of recycling, data reporting, customer communication, and full-process compliance documentation management, thereby building a recycling compliance system that covers the entire product lifecycle to ensure compliant recycling, resource utilization, and environmentally sound disposal of photovoltaic modules at the end-of-life stage.

The Company integrates eco-design concepts into the product design phase, referencing the requirements of the Ecodesign Directive to enhance the dismantlability, recyclability, and material utilization rate of its modules. By rigorously selecting recycling partners, the Company has established long-term cooperation mechanisms with officially EU-certified recycling service providers to manage the entire process, including end-of-life module collection, compliant warehousing, environmentally friendly transport, dismantling and processing, and resource regeneration. Concurrently, the Company strictly adheres to relevant EU regulations and the requirements of destination countries, submitting key data such as recycling volumes, processing methods, resource recovery rates, and hazardous substance disposal to local regulatory authorities on schedule. It also maintains complete compliance documents, including recycling agreements, processing certificates, and declaration receipts, for a minimum of three years to ensure full lifecycle traceability. The Company plans to obtain the French Eco-Modulation certification, which will cover all mass-produced module types and shipped modules. This certification is expected to significantly reduce module recycling costs for both the Company and its French clients.

As of the end of the Reporting Period, the Company

Processed photovoltaic modules

over **80,000** tons

Completed or is in the process of applying for WEEE registration in countries

11

Additionally, the Company conducts WEEE-related training and awareness campaigns for both internal employees and clients, providing various compliance certificates to help clients fulfill their legal obligations, reduce compliance risks and operational costs, and promote the resource utilization of electronic waste, thereby supporting the development of the circular economy in the EU. In the future, the Company will continue to deepen client empowerment, innovate service models, and strive to become an industry benchmark in the field of WEEE management.

Product Recall Management

The Company has formulated the Product Recall Process and other institutional documents, establishing a management mechanism that covers recall initiation, assessment, approval, execution, and subsequent disposal. When a delivered product is found to have safety defects, major functional abnormalities, regulatory violations, or serious non-conformities with contractual agreements, the Company's Quality Management Department leads relevant departments in a recall review meeting to assess the scope of impact and the necessity of a recall. Once a recall is confirmed, the Quality Management Department formally issues and approves a Product Recall Notice.

At the execution level, the Module Marketing Technical Support Department is responsible for communicating with and explaining the recall matter to clients. The Planning Department coordinates the return of the problematic products and arrangements for replacement shipments. The Quality Management Department simultaneously issues a stop-shipment order, and relevant departments at the production base immediately conduct systematic inspections, isolation, and labeling of inventoried products, work-in-progress, and raw materials. For work-in-progress on the workshop floor, an abnormality report is initiated in accordance with the Corrective and Preventive Action Control Procedures. After the recalled products are returned, the Company strictly follows the Non-conforming Product Control Procedures for classified disposal. Finally, the Quality Management Department consolidates and archives all information, achieving closed-loop management of the entire product recall process.

Building a Quality Culture

The Company continuously promotes stratified and categorized quality training and awareness initiatives across all business segments, building a comprehensive quality empowerment mechanism that covers management, technical systems, and frontline positions. Through various means such as specialized training, the introduction of methodological tools, policy dissemination, and skills enhancement, the Company continually raises employee quality awareness and professional competence, strengthens policy execution and process control, and solidifies the talent and capability foundation for stable product quality, effective risk prevention and control, and the high-quality development of its business.

PV Sector

Polysilicon

Yongxiang Co., Ltd. uses "Quality Month" as a platform to organize company-wide educational activities, including quality awareness training, knowledge competitions, and special topic studies. At its cadre learning conference, it conducted specialized quality-focused presentations for the crystalline silicon, ingot pulling, and chemical synergy segments. Through its inaugural Quality Conference, the company released key management systems and established quality improvement groups at all levels, enhancing overall quality literacy through institutionalized, organized, and regular awareness campaigns.

Modules

Tongwei Solar conducted quality training on topics including Six Sigma, digital process optimization, APQP problem-solving workshops, MAS, SPC application methods, golden parameter setting, on-site quality problem solving and analysis, and Digital Transformation planning. During the year, it conducted 399 training sessions, covering 33,763 participants for a total of 1,019 hours.

Agri-animal Husbandry Sector

Multi-level quality skills empowerment training was conducted for key positions such as R&D and quality control, covering personnel from the research institute, R&D department, quality control department, line quality control managers, and quality control, inspection, and laboratory staff across major regions. Concurrently, internal skills enhancement training was organized for various subsidiaries. During the year, a total of approximately 600 technical formulators and quality control personnel were trained, with an investment of about RMB 600,000, comprehensively enhancing the quality control capabilities of professional positions.

Metrics and Targets

Product Quality & Safety Targets

Achieve Ex-factory Product Pass Rate
100 %

Quality and Safety Incidents
0

User Complaint Resolution Rate
100 %

During the reporting period, the Company

had no product recall incidents
Number of products recalled is
0

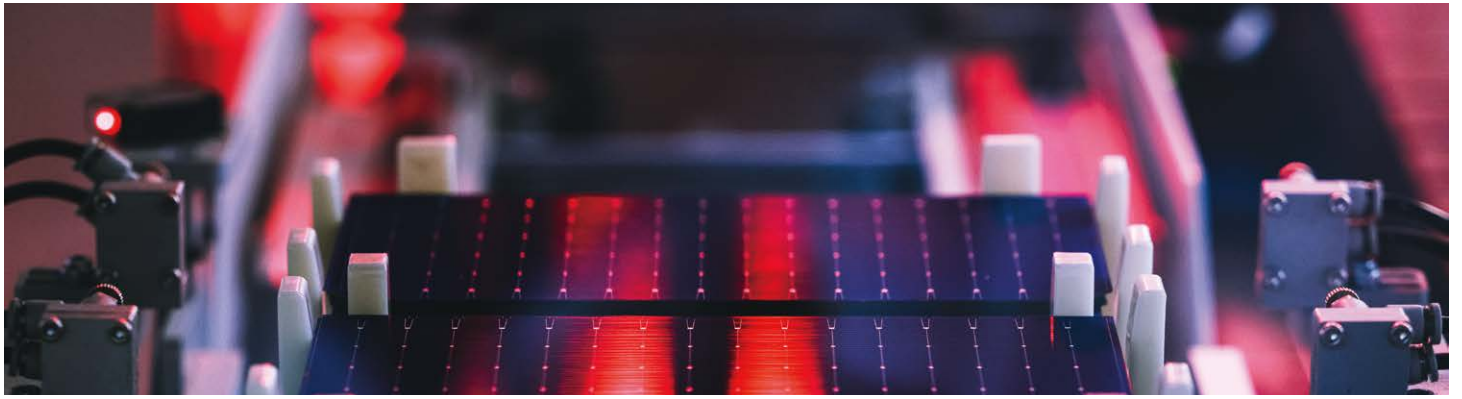
Experienced no major product safety incidents or administrative penalties
0

Major product safety accidents and administrative penalty incidents
0

Product quality and safety training sessions conducted, totaling
11,275

Employee participations, totaling
241,299

Total training hours, amounting to
105,346.1



Protection of Customer Rights and Interests

Tongwei has always adhered to a client-centric approach, strictly complying with the *Consumer Rights and Interests Protection Law of the People's Republic of China* and other laws and regulations. The Company continuously improves its customer service management system by strengthening closed-loop management of customer complaints, enhancing customer satisfaction management, and practicing responsible marketing to protect client rights and interests to the greatest extent and improve overall service quality.

Customer Service Management

Customer Service Management System

Tongwei strictly complies with the *Consumer Rights and Interests Protection Law of the People's Republic of China* and other laws and regulations, and continually enhances its end-to-end customer service management system. During the year, it revised institutional documents including the *Management Measures for Direct Sales to Customers under the Tongwei Agri-animal Husbandry Aquatic "Growing Together with Ten Thousand Households" Program, Management Measures for Key Accounts of Tongwei Agri-animal Husbandry Livestock and Poultry, Module After-sales Service Management Regulations, and Customer Service Procedures*. Through initiatives such as adding digitalized precision services, establishing direct communication channels with senior executives, and implementing refined tiered customer management, the Company continues to optimize its customer service mechanisms across pre-sales, in-sales, and after-sales stages, effectively enhancing its responsiveness to customer needs and its service quality.

	Pre-sales	In-sales	After-sales
PV Sector	○ Introducing product information to clients through exhibitions, in-person communication, and media promotions. ○ Operating official accounts on social media platforms like WeChat and Douyin to answer client questions online. ○ Utilizing a self-built CRM platform and customer representatives to conduct offline market research and accumulate client resources.	○ Visiting clients to understand their needs on-site. ○ Inviting prospective target clients to promotional conferences and providing services such as factory audits and communication sessions. ○ Optimizing production and logistics management to ensure the timeliness of delivery and punctuality of logistics. ○ Providing precisely tiered services at Diamond, Platinum, and Gold levels based on a comprehensive assessment of clients' shipment volumes, industry standing, and depth of cooperation.	○ Providing clients with timely and professional technical support and services. ○ Establishing an online customer complaint handling process with dedicated personnel to manage complaints. ○ Creating a rapid claims mechanism to offer swift compensation for minor losses, thereby enhancing client satisfaction. ○ Offering a module authenticity verification function and client information validation services. ○ Conducting regular follow-up visits with clients and carrying out satisfaction surveys.
Agriculture and Animal Husbandry	○ Operating 400 and 800 national service hotlines and subsidiary service numbers, with dedicated staff to handle client needs. ○ Answering client questions online via social media platforms such as WeChat and Douyin official accounts. ○ Accumulating client resources through offline market research conducted by customer representatives using a self-built CRM platform.	○ Regularly visiting clients to understand their needs and organizing meetings between key accounts and senior executives to record and respond to client requirements on the spot. ○ Empowering clients with farming technology by distributing technical manuals, holding technical seminars, and establishing demonstration farms. ○ Inviting prospective target clients to marketing conferences to deepen their understanding of the business and strengthen their intent to cooperate.	○ Maintaining client relations offline through customer representatives, who provide services for the prevention and treatment of farming pests and diseases. ○ Establishing a national toll-free hotline to receive client feedback, which is categorized into product inquiries, technical services, and complaint handling, with dedicated staff assigned to follow up on each case. ○ Collecting timely client feedback by pushing service evaluation requests through the Marketing App. ○ Building a WeCom + SCRM system to provide exclusive services for top-tier clients.

Specific Measures for The Company's End-to-end Customer Service Management

Services for Small and Medium-sized Enterprise Clients

Tongwei Co., Ltd. has always focused on and supported the growth and development of small and medium-sized enterprises, continuously advancing the "Good Product Year" plan and is committed to building symbiotic and prosperous partnerships with clients. To practice the win-win philosophy of the "Growing Together with Ten Thousand Households" project, the Company further optimized its customer service mechanisms this year based on the characteristics and needs of different client groups and established the "Tongwei Ten Thousand Households Club" to effectively help clients improve their aquaculture technical skills and business management capabilities. Concurrently, to regulate market order and protect the legitimate rights and interests of clients within the region, the Company formulated regional cross-coverage management measures during the year, including the *Management Plan for Cross-coverage in the Greater South China Aquafeed Market*, the *Management Plan for Cross-coverage in the Shandong Region Aquafeed Market*, and the *Management Plan for Cross-coverage in the West China Region Aquafeed Market*, there by safeguarding clients' business interests by clarifying sales territories and standardizing market order.

The Tongwei Ten Thousand Households Club - Joining Hands with Customers for Mutual Success and Writing A New Chapter in Fishery Development

On 27 March 2025, the Company officially established the "Tongwei Ten Thousand Households Club", starting with the inaugural meeting between major clients and senior executives. The club aims to build a systematic growth guarantee for large-scale aquaculture clients, covering five dimensions including product services, financing solutions, resource integration, and direct connections to senior management. With the goal of developing new clients and strengthening its market reputation, the club regularly holds online and offline client activities throughout the year. During the Reporting Period, the Company organized a total of 23 offline events with over 1,400 client participants; online, it regularly shared information on species and market trends through newsletters and short videos, and provided one-on-one consulting services via WeChat Work to respond promptly to clients' business needs.

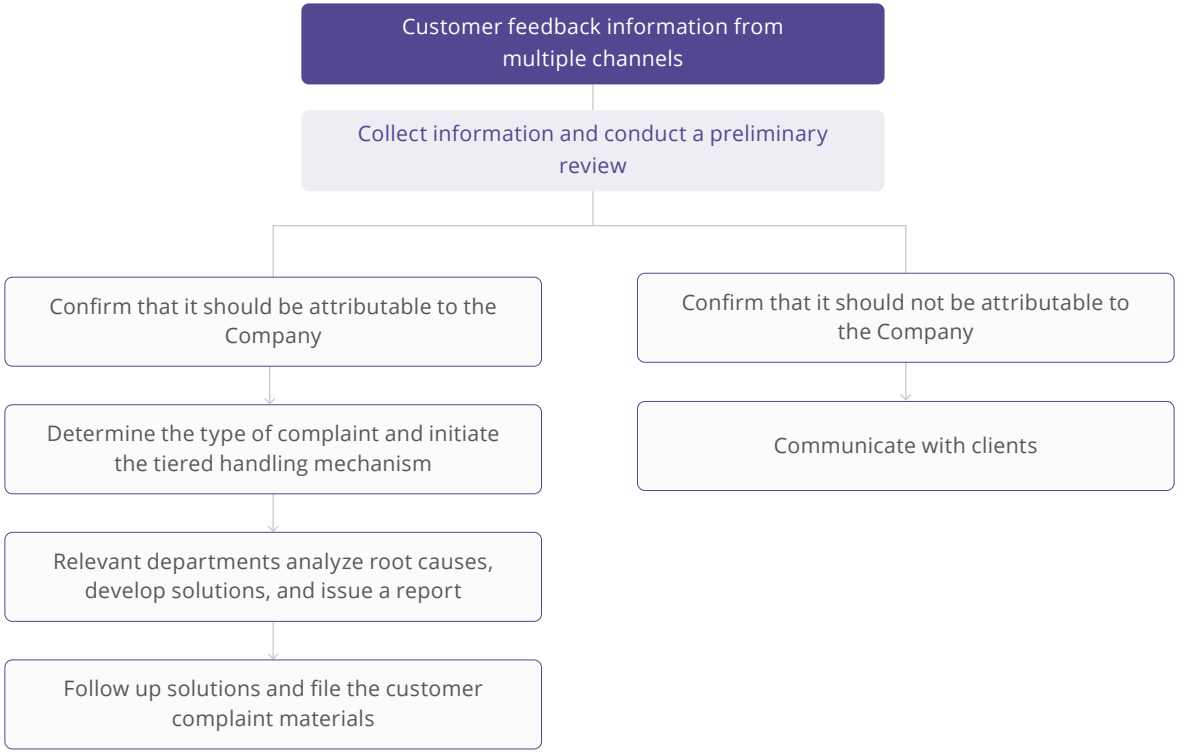
Scene from The Meeting Between Senior Executives and Major Clients

Customer Complaint Management

The Company has established a comprehensive complaint reception mechanism for defective products. Customers can provide feedback or file complaints regarding product-related issues at any time through channels such as the 400 national service hotline, a dedicated email address, and their sales contacts. These complaint channels are clearly communicated to external stakeholders through public platforms like the official website, product manuals, and after-sales service platforms, ensuring convenient and efficient communication.

For customer complaints received, the Company strictly adheres to policies such as the *Customer Complaint Handling Process* and the *Customer Return Handling Process*. By systematically analyzing customer complaint feedback, it has established a standardized and regulated complaint handling process, building a comprehensive complaint management mechanism that covers problem traceability, efficient resolution, and closed-loop follow-up to ensure that customer complaints are addressed promptly and properly.

In 2025, the Company revised the *Customer Complaint and Feedback Control Procedures and the Standardized Manual for Customer Complaint Handling*, with a focus on optimizing the division of responsibilities and establishing a rapid response and compensation mechanism for minor complaints. It also introduced the *Complaint Handling Escalation Mechanism* and the *Standardized Process for Reissuing Products for Complaints and Logistics Damage*. These additions established a tiered decision-making escalation channel covering the entire complaint handling process and standardized the online procedures for handling complaints, returns, exchanges, and replenishments due to logistics damage, further enhancing the standardization and response efficiency of customer complaint management.



Customer Complaint Handling Process Diagram

During the reporting period, the Company

PV Sector complaints regarding products and services received

14

Resolution rate of

100 %

The Agriculture and Animal Husbandry complaints regarding products and services received

63

Resolution rate of

100 %

Customer Satisfaction

Customer satisfaction is a key indicator for measuring the Company's customer relationship management level and guiding continuous improvement of its services and products. The Company strictly follows policies such as the *Customer Satisfaction Survey Management Measures* and *Customer Visit Management Measures* to establish a sound and standardized satisfaction survey and evaluation process. It regularly collects customer complaints and feedback at various service stages, deeply analyzes the survey results, and communicates with customers to ensure timely and effective resolution of complaints and feedback. In 2025, to enhance the scientific validity and reliability of survey results, the Company optimized its survey methods and statistical analysis tools, revised policies such as the *Module Customer Satisfaction Measurement Method* and the *Module Customer Satisfaction Survey Form*, and added a customer satisfaction analysis report template. These improvements further enhance the data analysis and improvement mechanisms, achieving systematic and refined satisfaction management.

01 Data Collection

Surveys are conducted quarterly through a combination of online questionnaires and telephone follow-ups, targeting core groups such as users, distributors, and key customers. A monthly tracking mechanism is also in place for key customers.

02 Statistical Analysis

Collected questionnaires are statistically analyzed to generate special reports, which are then submitted to the relevant departments.

03 Problem Rectification

For issues identified in the survey, a commitment is made to resolve them and provide feedback on the results within one month.

04 Follow-up on Results

Continuously monitor changes in customer satisfaction and promote problem rectification and service optimization.

Customer Satisfaction Survey Methodology

During the reporting period, the Company

Achieved a comprehensive customer satisfaction score of

96.59

PV Sector

Overall satisfaction score for the module business

96.3

Overall satisfaction score for the cell business

97.4

Overall satisfaction score for the polysilicon business

97.1

Agriculture and Animal Husbandry Sector

Overall satisfaction score for the feed business

95.0

Overall satisfaction score for the food business

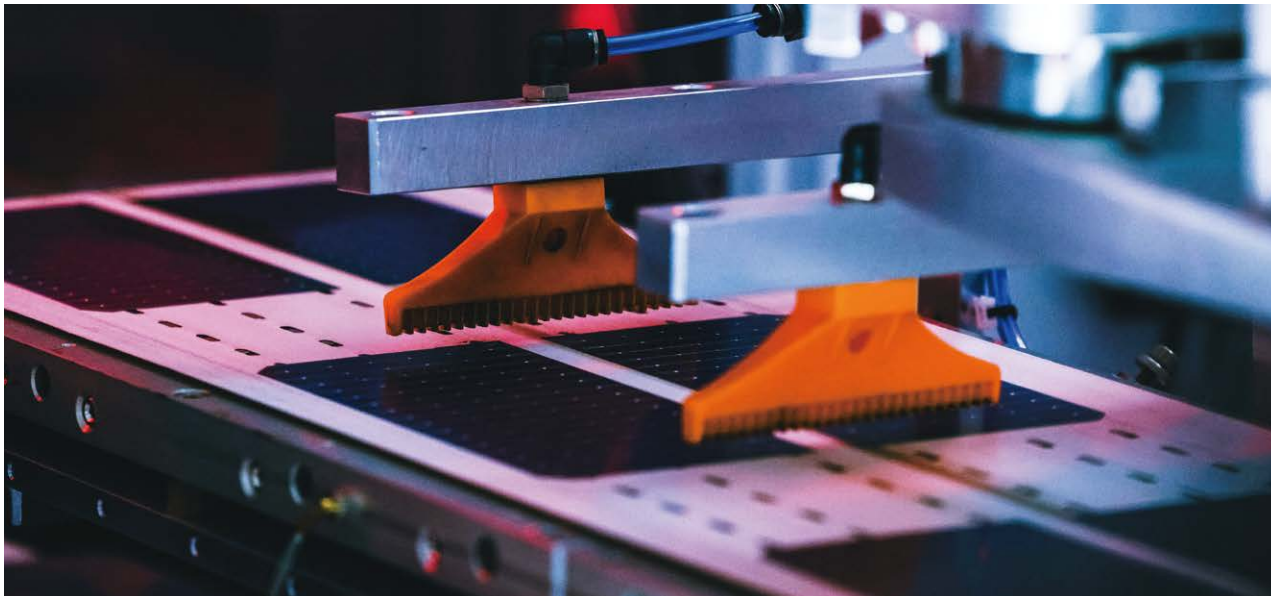
96.5

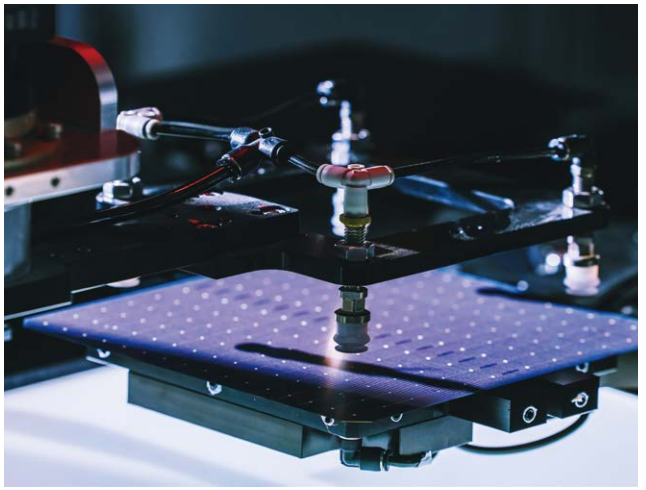
Responsible Marketing

Tongwei strictly complies with the *Advertising Law of the People's Republic of China* and other laws and regulations, integrating the concept of responsible marketing into the entire process of product information dissemination and external communication. The Company has established a management mechanism involving supervision and review by the headquarters, execution by subsidiaries, and joint review by brand management-related departments to continuously standardize marketing practices and strengthen compliance management of external publicity. Each subsidiary continuously improves its institutional framework for responsible marketing based on its actual operations. This year, policies such as the *Tongwei Solar Brand Promotion Management Measures* and the *Food Label Management Specifications* were revised to incorporate requirements for news publicity, interviews, and negative public opinion management. At the same time, the Company uses an online aquaculture data collection system to strictly verify the authenticity of end-user data and regularly conducts specialized training on responsible marketing and multi-topic compliance audits to ensure the truthfulness and compliance of product information disclosure, eliminating all false advertising and misleading consumer behavior. During the reporting period, the Company had no incidents of non-compliance related to product and service information and labeling.

During the reporting period, the Company

Special internal and external audits on responsible marketing conducted totaling	Responsible marketing training sessions conducted totaling	Employee participations in responsible marketing training numbering	Total training hours for responsible marketing amounting to
7	1,173	52,691	10,631.5





Winning Environment

Tongwei has always been committed to becoming a "world-class safe food supplier and world-class clean energy operator". It thoroughly implements the national strategy for carbon peaking and carbon neutrality, continuously improves its environmental management system, and actively addresses climate change risks with comprehensive, multi-level environmental and low-carbon strategies. The Company strictly controls pollution and waste emissions, deepens its circular economy practices, and works hand in hand with all stakeholders to build a beautiful China and jointly write a new chapter in the era of sustainable development.

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Water Stewardship	151
Pollution and Waste Management	158
Ecosystem and Biodiversity Conservation	165

Environmental Compliance Management

Environmental Management System

Tongwei strictly abides by the *Environmental Protection Law of the People's Republic of China* and all other laws and regulations in its operating locations. Under the unified environmental management requirements of the headquarters, each business entity improves and implements rules, regulations, and process documents such as the *Environmental Protection Management Procedures* and the *Environmental Monitoring Management System*. The Company is committed to integrating environmental protection requirements into all aspects of production, operation, and supply chain management to prevent and mitigate the negative environmental impacts of its business activities.

Tongwei demonstrates its firm determination and strategic intent to address and manage environmental risks and opportunities to all internal and external stakeholders. At the corporate operational level, the Company comprehensively considers the opinions of all stakeholders, proposes and publicly discloses multiple environmental management commitments, and has formulated and optimized the *Tongwei Co., Ltd. Environmental Management Commitments and Policy*. This document is implemented after approval by the Board of Directors and senior management to manage environmental-related risks and opportunities in a scientific and systematic manner.

Tongwei's Environmental Management Commitment

- Strictly comply with applicable laws and regulations and regulatory requirements on the environment at the place of operation.
- Develop environmental goals and emission reduction pathways to promote sustainable development in an environmentally-friendly manner.
- Actively adopt effective and innovative technologies and measures to address climate change and minimize the impacts of business operations on the environment.
- Continue to upgrade green production technologies and commit to reducing harmful substances in products.
- Incorporate environmental factors into the supplier assessment and management to create a sustainable supply chain.
- Provide training sessions for employees and suppliers on skills and knowledge on environmental protection, and recognize their efforts or achievements in environmental improvement.
- Communicate and cooperate with stakeholders to increase their awareness of the environmental management policies and impacts of the Company.

Tongwei Environmental Management Commitment

Tongwei has established a scientific and efficient environmental management structure with clear responsibilities, designating the Board of Directors as the ultimate responsible body for deciding and overseeing the management of key environmental issues such as greenhouse gases, pollution, waste, and water resources, ensuring the implementation of all environmental strategies and commitments of the Company and its various operating entities. Each operating entity has executive departments, such as the Safety and Environment Department, which are responsible for developing and implementing differentiated environmental management measures for their respective sites based on the Company's overall strategy and their specific business realities. In accordance with systems like the *Safety and Environmental Protection Assessment Management System*, environmental management performance is incorporated into the annual assessment indicators for key leaders to ensure the effective implementation of environmental goals and the adequacy of resource allocation.

Tongwei's Three-tier Environmental Management Structure

Tongwei regularly invites third-party professional organizations to conduct surveillance audits of its ISO 14001 Environmental Management System to ensure the system's certification coverage and operational effectiveness. Building on this foundation, the Company deeply integrates the concept of green manufacturing by incorporating green design and green product management into all aspects of its production and operations, continuously advancing the development of green factories and green supply chains. To date, several of the Company's production bases have been recognized as national and provincial-level green factories and have obtained certifications for green supply chain management and green design products, demonstrating through practical actions its commitment to building an efficient, clean, low-carbon, and circular green manufacturing system.

As of the end of the reporting period,

Entities obtaining the ISO 14001 Environmental Management System certificates
21

PV sector coverage rate
100 %

National-level green factories awarded
10

Provincial-level green factories certified
4

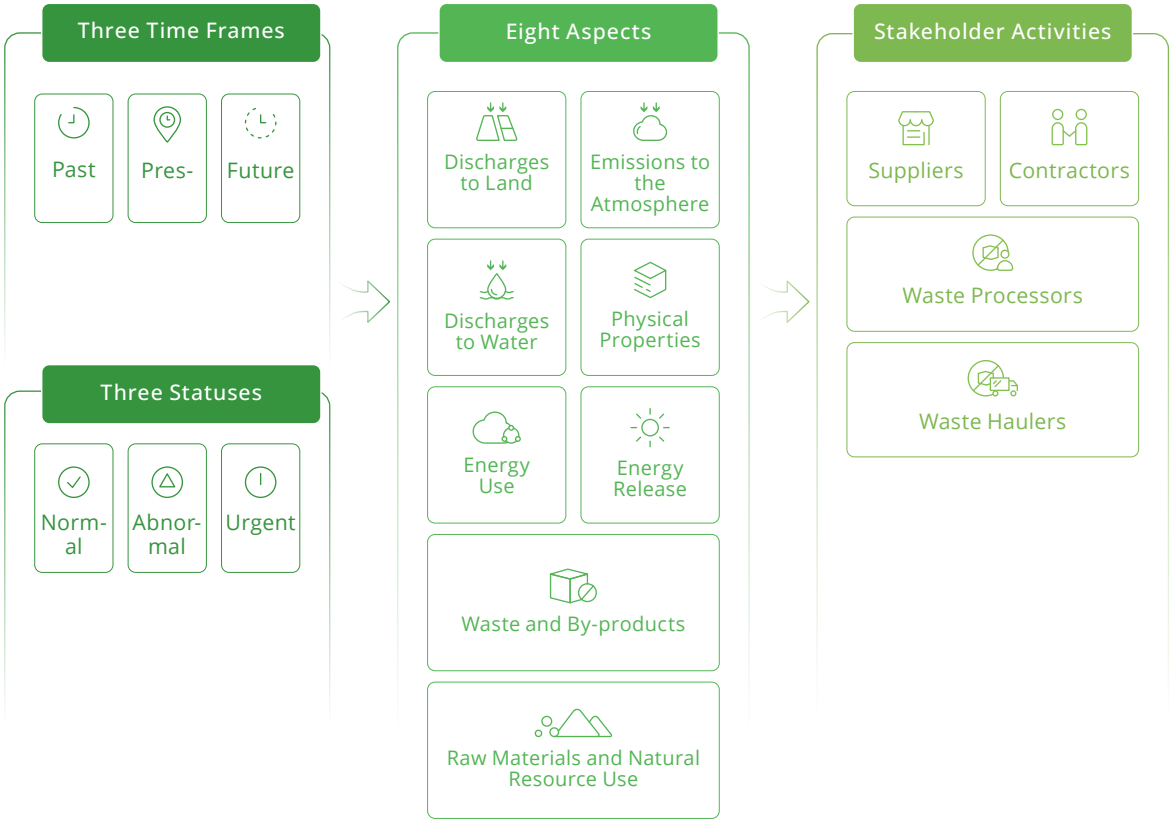
National-level green supply chain enterprises recognized
4

National-level green design products approved
3

In February 2026, Yunnan Tongwei High-purity Polysilicon Co., Ltd. was included in the Ministry of Industry and Information Technology's "Public List of Green Factories".

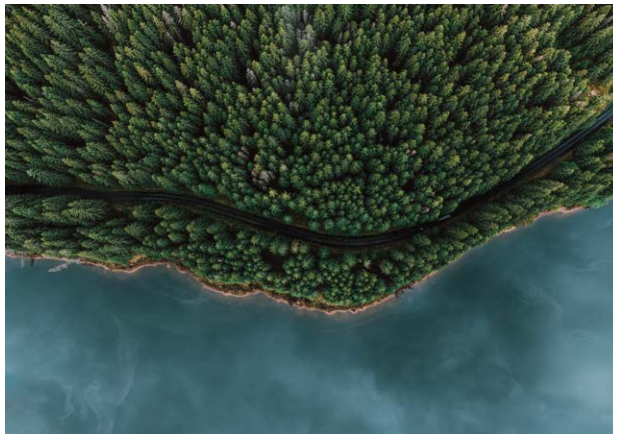
Environmental Risk Control

Tongwei has built a comprehensive process for identifying, assessing, and managing environmental risk factors, establishing core policies like the *Environmental Factor Identification and Evaluation Procedure* and the *List of Significant Environmental Factors*, along with supporting assessment forms. The Company employs a dynamic analysis model covering three tenses (past/present/future), three states (normal/abnormal/emergency), and eight impact categories to systematically identify and manage environmental factors throughout its entire production and operation process in a closed loop. Based on this, the Company also extends environmental risk management downstream to its supply chain, setting quantitative environmental control targets for key factors and implementing special risk control measures to ensure compliance with environmental performance standards across the entire chain.



Tongwei's Environmental Factor Identification Flowchart

Adhering to the principles of "compliance as the foundation, enhancing quality and efficiency, and full employee participation" for internal environmental audits, Tongwei conducts regular specialized environmental inspections[1], routine monitoring, and audits annually in accordance with procedural requirements like the *Internal Environmental Audit Control Procedure* and the *Internal Audit and Management Review Control Procedure* to continuously improve its environmental risk prevention and control capabilities. All subsidiaries and production bases manage environmental risks in strict accordance with the requirements of their pollutant discharge permits and the ISO 14001 Environmental Management System. They actively cooperate with environmental inspections by regulatory authorities and regularly commission third-party professional institutions to conduct comprehensive monitoring of the environmental impact of emissions, including waste gas, wastewater, noise, and toxic solid waste, to ensure all production and operational activities comply with the environmental laws and regulations of their operating locations. During the reporting period, the Company did not have any major environmental violations.



[1] Tongwei's specialized environmental inspections include standardized spot checks conducted by the headquarters at various subsidiaries and production bases.

Special Environmental Inspections

Professional staff from various departments conduct unscheduled special environmental inspections focusing on water, electricity, gas, and special equipment, covering all production units and key emission sources.

Promptly identify and assess environmental and safety hazards, and guide and urge the responsible departments to analyze their causes and take targeted measures.

The EHS Departments conduct monthly environmental assessments of all departments to ensure that all environmental requirements are thoroughly implemented down to each position and individual.

Routine Environmental Monitoring

In accordance with the requirements of environmental permits, the Company regularly tests pollutant factors such as wastewater, waste gas, and noise, and discloses the results.

The Company has explored the integration of Internet of Things (IoT) sensors and AI analysis technology to build an integrated "air-space-ground" monitoring network, and deploys online monitoring equipment at key emission outlets to achieve real-time collection and transmission of key environmental indicators.

Leveraging a data management platform, the Company performs in-depth analysis of massive monitoring data, automatically generating trend analysis reports and abnormal warnings to provide a scientific basis for environmental decision-making.

Internal Environmental Audits

Each business entity and subsidiary has formulated the "2025 Annual Environmental Audit Plan", which clarifies key areas for environmental audits.

The Company conducts quarterly environmental management audits, promptly corrects issues, and takes preventive measures to eliminate environmental hazards.

Comprehensive "penetrative" audits are implemented in high-risk areas such as the management of temporary hazardous waste storage facilities, the operation of VOC treatment facilities, and the environmental acceptance of new, renovated, or expanded projects.

Tongwei Environmental Inspection and Supervision Work

Tongwei utilizes environmental impact assessments as the core tool for controlling environmental risks at the source for all engineering projects at its production bases. The Company lawfully conducts environmental impact assessments for all new, renovated, and expanded projects, comprehensively identifying potential risks related to wastewater, waste gas, pollutants, noise, and surrounding ecosystems. The Company strictly implements the "Three Simultaneities" system, deeply integrating various pollution prevention and ecological protection measures into the entire process of engineering design, construction, and operation, effectively achieving source prevention and whole-process control of environmental risks.

Tongwei continuously improves its tiered emergency response mechanism for environmental incidents, strictly implementing the *Emergency Response Plan for Sudden Environmental Incidents*. It has established a cross-departmental special working group to form a closed-loop environmental emergency management system that includes "risk-level assessment, preventive control, emergency warning and response, and rectification and improvement". The Company enhances its emergency response and handling capabilities through measures such as emergency drills, increased inspection frequency and supervision, and digital monitoring.

During the reporting period,

Internal and external environmental audits conducted across all production bases

49

Internal audit coverage based on the ISO 14001 standard in the PV sector

100 %

Environmental protection investment across all operating locations

RMB **1.118** billion

with details including expenses for purchasing water and electricity conservation equipment, maintenance costs for environmental equipment, factory greening costs, and promotional expenses for various environmental activities.

All production bases and subsidiaries experienced **zero** major environmental accidents.

Building an Environmental Culture

Tongwei deeply embeds environmental concepts into its daily operational processes. By promoting electricity-saving initiatives, standardizing the approval process for office supplies, optimizing air conditioning usage guidelines, and managing equipment power-off procedures during holidays, combined with paperless office measures like double-sided printing, the Company has built a refined low-carbon and eco-friendly management system covering various office scenarios. This fosters a shift in environmental consciousness from a matter of regulation to a voluntary action by all employees.

To continuously enhance the low-carbon and environmental literacy and practical skills of its employees, the Company has established a regular environmental training mechanism centered around the Environment Day and the Environment Month. Through internal thematic training, participation in environmental capacity-building activities organized by governments and third parties, and hosting environmental knowledge competitions, the Company constantly strengthens employees' environmental compliance awareness and professional skills, solidifying the foundation of its corporate environmental culture.

In-person Environmental Training

Environmental Knowledge Competition

During the reporting period,

Environmental protection training and awareness sessions conducted

126

Employee participations

42,908

Training duration

85,304.75 hours

Response to Climate Change

The UN Environment Programme's 2025 Emissions Gap Report indicates that even if all countries fully implement their Nationally Determined Contributions (NDCs), global temperature rise is still projected to reach **2.3°C - 2.5°C** by the end of this century. Based on existing policies alone, the increase could be as high as **2.8°C**. This reveals a significant gap compared to the **1.5°C** target set by the Paris Agreement, indicating that global climate change **risks remain high**.

To achieve its carbon peaking and neutrality goals, on 24 September 2025, China announced a new round of Nationally Determined Contributions, aiming to reduce its economy-wide net greenhouse gas emissions by **7%-10%** from their peak by 2035. This is the first time China has proposed an absolute reduction target covering the entire economy and all greenhouse gases, marking a major transition from intensity-based control to **absolute volume governance** of carbon emissions.

As a leading enterprise with dual core businesses in photovoltaics and agriculture, Tongwei upholds its responsibility as an industry pioneer. In strict accordance with international climate information disclosure standards such as TCFD and IFRS S2, the Company has established and improved a four-pronged climate management system covering governance, strategy, impact/risk/opportunity management, and metrics/targets to solidify its foundation for climate governance and information disclosure capabilities. We adhere to a dual-track approach of deep decarbonization in our own operations and collaborative carbon reduction across the supply chain, creating a demonstrative closed loop of "zero-carbon manufacturing, green products, and an eco-friendly industrial chain". This approach builds a shared and mutually beneficial green, low-carbon value chain, contributing a replicable and adaptable Chinese solution for global enterprises to address climate change.

Governance

Tongwei places great importance on climate governance, having established a top-down, professional, and efficient three-tiered climate governance structure to oversee climate-related impacts, risks, and opportunities, and to deeply integrate them into the Company's strategic decision-making and daily operations. Proposals for major investment, financing, capital operations, and asset management projects related to climate change response are submitted by relevant headquarters departments or the heads of various operating entities to the Strategic Sustainable Development Committee for approval and decision. The ESG Management Executive Working Group regularly reports on the progress of climate change initiatives to the management, ensuring the efficient advancement of climate governance work. Additionally, the Company links its sustainable development strategic goals to the CEO's performance-based pay and includes climate change management indicators, such as carbon emission reduction, in the performance assessment system for senior executives to fully motivate their proactive engagement and sense of responsibility in climate governance.

Many of Tongwei's directors and senior executives have extensive experience in green and low-carbon fields such as new energy, possessing deep professional expertise and a forward-looking industry perspective. This enables them to holistically consider the Company's strategic planning, major decisions, and daily operations from a climate change response viewpoint. The Company regularly invites internal and external experts to conduct a series of training sessions on topics like energy conservation and carbon reduction for senior management and executive-level staff. It also actively participates in external exchanges on sustainable development to systematically enhance the sustainable development awareness and professional capabilities of employees at all levels.

Decision-making Level	Board of Directors	• As the highest decision-making and responsible institution for climate governance, it is responsible for supervising and determining the Company's overall climate governance policies, goals, and related major matters. • Its subordinate Strategic & Sustainable Development Committee, composed of the Chairman and four directors, is responsible for studying matters related to climate governance, providing recommendations, and authorizing the ESG Management Committee to execute specific tasks.
Management Level	ESG Management Committee	• Responsible for incorporating climate action goals into the strategic decision-making system, formulating climate governance action guidelines, and coordinating and promoting the implementation of various climate governance tasks.
Execution Level	ESG Management Working Group	• Combined with the Company's strategic goals and business realities, conduct in-depth discussions on key climate governance issues, and collaborate with relevant departments to implement the formulation of climate-related systems and the execution of measures. • Organize the annual greenhouse gas inventory and disclosure, and product carbon footprint verification. • Make steady progress in energy conservation and consumption reduction practices, continuously increase the proportion of renewable energy use, and promote the electrification transformation. • Deepens energy conservation and consumption reduction practices, expands the scale and proportion of renewable energy use, and accelerates the pace of electrification transformation.

Tongwei's Climate Governance Structure

Strategy

Tongwei deeply integrates climate resilience into the development of its dual core businesses of “green energy + green agriculture”. Anchored by the goal of “strive to achieve carbon neutrality at the operating level before 2030”, the Company has formulated and is implementing a phased climate action strategy. The Company enhances its short-, medium-, and long-term climate change response capabilities from three dimensions: strategic development, asset allocation, and financial resources. It fully embeds climate considerations into production, operations, and supply chain management, using its professional capabilities to support value chain partners in jointly addressing climate challenges and promoting steady improvement in climate governance performance.

Tongwei pays close attention to the impact of climate change on the Company's financial fundamentals, proactively coordinates the allocation of climate-related resources and cost inputs, and actively explores the application of green finance tools to prevent potential risks from climate change and seize opportunities related to the low-carbon transition. Currently, the Company has begun collecting current and prospective climate-related financial indicators and is conducting scenario analysis for physical and transition risks to identify and assess the qualitative current and expected financial impacts of physical risks, transition risks, and transition opportunities. The assessment indicates that the current and expected financial impacts of physical and transition risks are generally manageable, while the impacts of transition opportunities are more significant. This requires further efforts to identify transition opportunities and coordinate resources to deeply integrate the Company's low-carbon transition with its high-quality development.

Strategic Orientation

Tongwei World-class Safe Food Supplier and World-class Clean Energy Operator

Continuously promote the established emission reduction goals

- Tongwei strives to achieve carbon neutrality at the operational level by 2030, and help the world reach the goal of zero emissions

Add three new value chain emission reduction goals

- Strive to achieve a 55.8% reduction in Scope 3 carbon emission intensity (Scope 3 emissions of greenhouse gases from purchased goods and services, upstream goods and service transportation emissions per MW of photovoltaic products produced) by 2030, with 2023 as the base year
- Strive to achieve a 50% reduction in greenhouse gas emissions across the entire value chain by 2035, with 2023 as the base year
- Achieve carbon neutrality across the entire value chain no later than 2050

Action Goal

Carbon Intensity	Renewable Energy Use	Zero-carbon Factory	Value Chain	Product Carbon Footprint
Strive to achieve a 19.5% reduction in carbon intensity by 2025 compared to 2020	Strive to achieve full (100%) use of renewable electricity by 2030	Gradually carry out construction and certification of zero-carbon factories	• Set the zero-carbon goal and action path for the value chain • Gradually develop supply chain carbon management	• Gradually develop carbon-neutral products • Continuously promote the third-party carbon footprint certification of PV products

Action Pathway

Zero Carbon Operation

- Energy Saving and Efficiency Improvement
- Cleaner Power
- Raw Fuel Replacement
- Source-grid-load-storage Integration
- Equipment Electrification
- Carbon Offset

Zero Carbon Value Chain

- Green Supply Chain Partnership Program

Zero Carbon Products

- Zero Carbon Aquatic Products
- Zero Carbon Feed
- Zero Carbon Food
- Zero Carbon Photovoltaic Products

Public Participation

Participate in global climate governance and join international voluntary climate initiative organizations

Management System

- Energy Management System
- Green Electricity Management System
- Carbon Asset Management System
- Green Supply Chain Management System

"Zero-carbon Operations - Zero-carbon Value Chain - Zero-carbon Products" Systematic Action Goal

Physical Risks

Tongwei uses climate scenario analysis to systematically and quantitatively assess the potential impacts of key climate risks and opportunities on its business operations and financial performance under different scenarios, thereby enhancing climate resilience and supporting relevant strategic and risk management decisions. In 2025, with reference to the Fifth and Sixth Assessment Reports of the Intergovernmental Panel on Climate Change (IPCC), the Company selected Representative Concentration Pathways (RCP) and conducted a physical risk scenario analysis on its domestic assets with substantial impacts. The Company uses data on the frequency and intensity of 12 types of climate disasters as a basis, combined with the sensitivity of its business models, asset types, and geographical features to various disasters, to derive scores for each climate risk. These scores are then used to calculate the risk exposure of various physical asset values and the operating revenue risk exposure under different risk levels, which serve as core financial indicators for assessing climate-related financial impacts. Based on internal research and scenario analysis results, it was determined that the Company may be exposed to higher risks from extreme heat temperatures, warming trend, and wet trend; however, the overall physical risks are manageable.

Asset Exposure to Physical Risks under RCP4.5 and RCP8.5 Scenarios

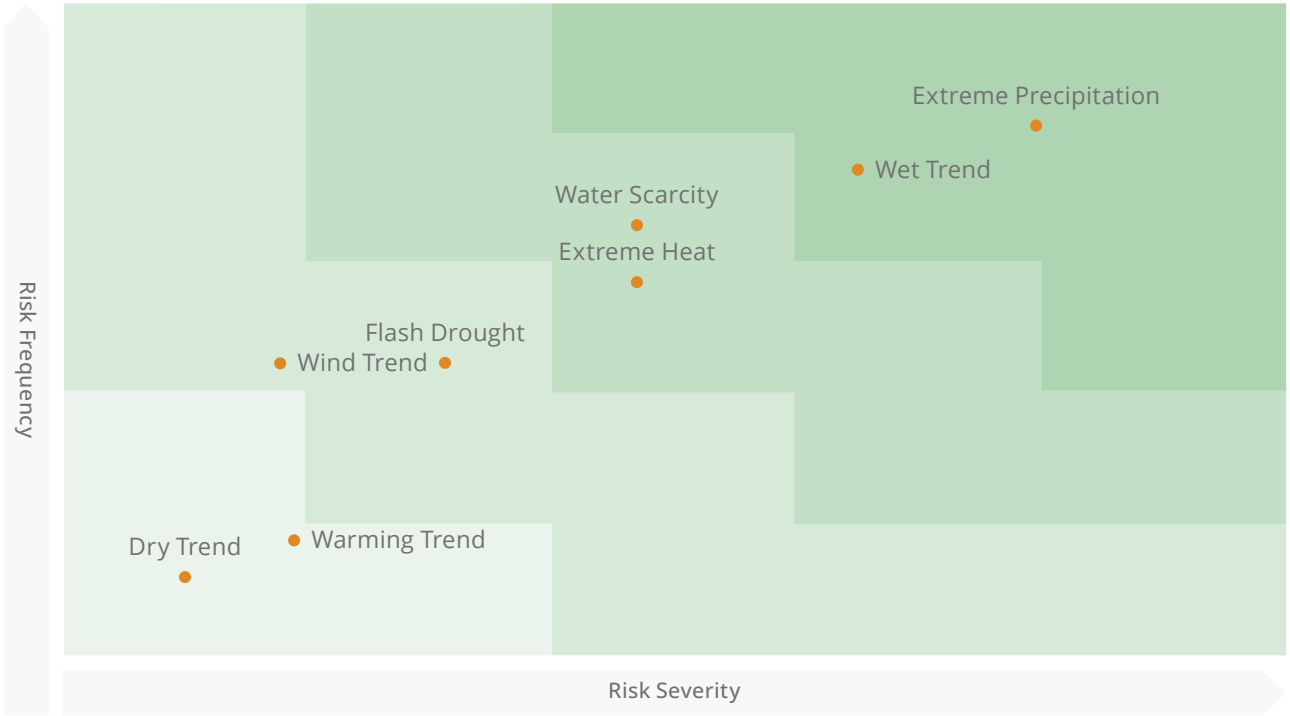
Physical Risk Scenarios	Time Horizons	Categories[4]											
		Chronic Risks						Acute Risks					
		Water Scarcity	Sea Level Rise	Warming Trend	Wet Trend	Wind Trend	Dry Trend	Extreme Heat	Extreme Precipitation	Flash Drought	Tropical Cyclone	River Flooding	Coastal Flooding
RCP4.5	Baseline	Medium	No Risk	Low	High	Low	Low	Medium	High	Low	No Risk	No Risk	No Risk
	2030	Medium	No Risk	Low	High	Low	Low	Medium	High	-	-	No Risk	No Risk
	2050	Medium	No Risk	High	High	Low	Medium	Low	High	-	-	No Risk	No Risk
RCP8.5	Baseline	Medium	No Risk	Low	High	Low	Low	Medium	High	Low	No Risk	No Risk	No Risk
	2030	Medium	No Risk	High	High	Low	Low	Medium	High	-	-	No Risk	No Risk
	2050	Medium	No Risk	High	High	Low	Low	High	High	-	-	No Risk	No Risk

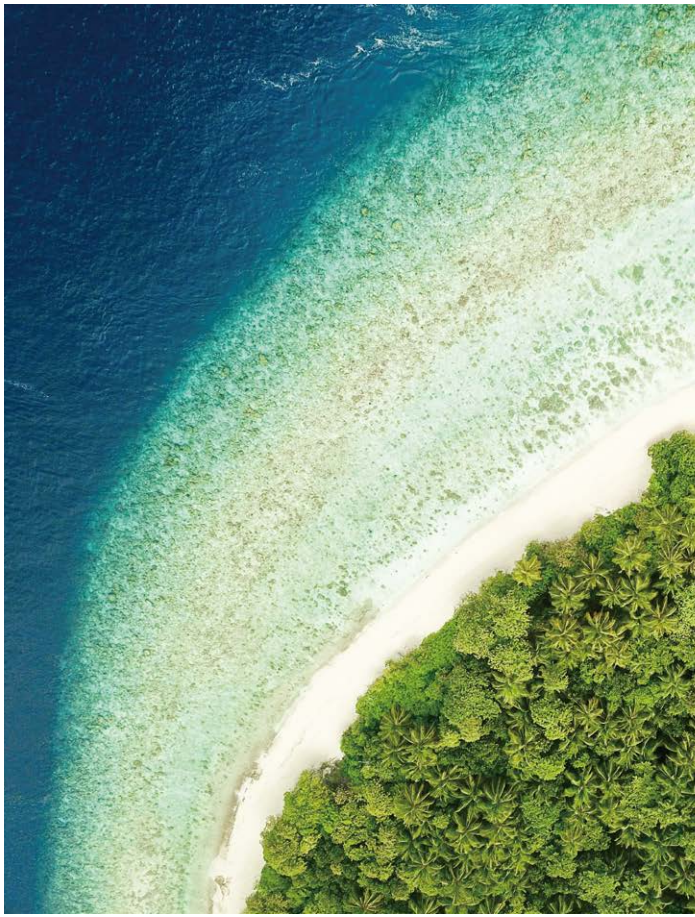
No Risk Low Risk Medium Risk High Risk

[1] The assessment model is derived from the physical risk assessment model of MioTech (https://www.miotech.com/zh-CN), which enables comparative analysis of climate risk levels among enterprises in the industry.
[2] RCP 4.5 Scenario: Under this scenario, strong global mitigation actions are taken to reduce GHG emissions to half of their current levels by 2080, with the Earth's radiative forcing stabilizing at 4.5 W/m² by 2100.
[3] RCP 8.5 Scenario: This scenario assumes business-as-usual GHG emissions at the current rate. Under this scenario, the Earth's radiative forcing will exceed 8.5 W/m² by 2100, and the global temperature is projected to rise by more than 4°C.
[4] Analysis results of chronic and acute risks at each base: Red indicates high risk, blue indicates medium risk, orange indicates low risk, green indicates no risk, and "-" indicates no analysis was performed due to data availability issues.

To address major physical risks affecting its business, Tongwei references the *Recommendations of the Task Force on Climate-related Financial Disclosures (TCFD)* and the *International Financial Reporting Standards Sustainability Disclosure Standard 2 - Climate-related Disclosures (IFRS S2)* to conduct an impact assessment on its value creation, business model, and value chain and to trace their transmission pathways, evaluating their potential impact on key financial indicators and incorporating response measures into the Company's overall strategy and climate action plan to integrate risk management with strategy execution.

Tongwei Physical Risk Matrix (Baseline)[1]





[1] This matrix is only a baseline assessment of Tongwei's physical risks and does not include future analysis under the RCP 4.5 and RCP 8.5 scenarios.

Tongwei's Physical Risk Identification, Assessment, and Response Measures[1]

Risk Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk Response Measures
Acute Risks	✓			• Extreme weather events, such as extreme heat temperatures and extreme precipitation, can easily cause damage to factory buildings, equipment failure (such as downtime of precision temperature control systems), and production interruptions, driving up costs for equipment maintenance and disaster prevention retrofitting. • Disruption to logistics networks caused by extreme weather will delay the transportation of key raw materials like polysilicon, forcing the enterprise to use high-cost emergency logistics solutions and bear the risk of damage to in-transit inventory, which leads to decreased production efficiency and increased fulfillment costs.	• Upstream • Production and Operations	• Increase operating expenses • Increase capital expenditure • Increase non-operating expenses	• The Company collaborates with insurance companies to establish a rapid claims mechanism for sudden environmental disasters, ensuring the timely activation of claims post-disaster. • The Company formulates distinct emergency response plans for extreme weather tailored to the characteristics of different regions, such as coastal and inland areas, which specify response procedures, personnel responsibilities, and material dispatch. We also incorporate suppliers into our emergency management to ensure supply chain continuity and resilience during extreme weather events. • A third party is commissioned to conduct real-time monitoring of wind speed, wind direction, rainfall, and temperature. • The Company conducts company-wide emergency drills for extreme weather, organizes inspections of flood prevention materials, and evaluates the effectiveness of procedures post-drill to optimize response plans, continuously enhancing employees' capabilities for emergency response, risk avoidance, and mutual rescue.

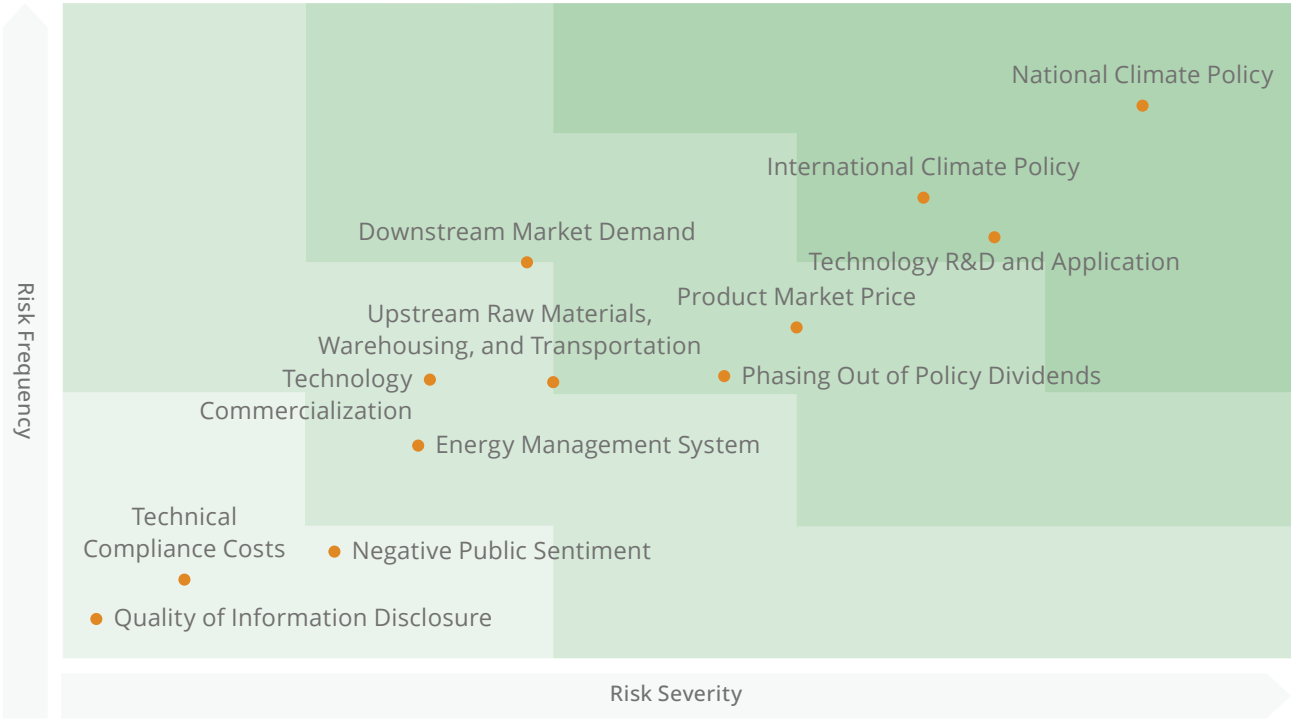
[1] With reference to the *Shanghai Stock Exchange Self-Regulatory Guideline for Listed Companies No. 4 – Preparation of Sustainability Reports (Revised in January 2026)*, and in comprehensive consideration of policy requirements and laws and regulations in its operating locations, the Company's strategic planning, industry characteristics, investment cycles and capital allocation, asset lifecycles, and the nature of physical risks, Tongwei has divided the time horizons for physical risk impact analysis as follows: short-term as 2026, mid-term as 2027-2030, and long-term as 2031-2050.

Risk Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk Response Measures
Chronic Risks	○	✓	✓	• Dry trend may lead to tight water supply, directly impacting the production stability of high-water-consumption processes such as silicon material purification and wafer cleaning, forcing bases to procure high-cost alternative water sources (such as external water transfers or seawater desalination), thereby increasing water costs and reducing silicon wafer capacity utilization.	• Production and Operations	• Increase operating expenses • Increase capital expenditure • Increase non-operating expenses	• The Company sets annual water conservation targets and establishes a dynamic tracking mechanism to ensure that water-saving initiatives are continuously implemented and adjusted. • A scientific water metering system is established to quantify the water balance and product water footprint, using data analysis to control abnormal water use and provide data support for water conservation plans. • The Company continuously optimizes processes, replaces water-saving equipment, and expands wastewater reuse scenarios to reduce the product water footprint and enhance water resource utilization efficiency. • Specialized training on water conservation and water risk is conducted to enhance employees' awareness of water resources management and cultivate a consciousness for water saving and response capabilities. • Water risk assessments are conducted to identify the water resource sensitivity of operating locations, enabling precise site selection to reduce water risks and respond to climate change.

Transition Risks

In 2025, Tongwei selected the IEA Net Zero Emissions[1] by 2050 Scenario and the IEA Announced Pledges Scenario[2] as its low-emission scenarios, and the IEA Stated Policies Scenario[3] as its high-emission scenario, to analyze the potential transition risks it faces under these three transition pathways. The Company utilized third-party professional climate models[4] and datasets to quantify the additional carbon emission reductions required to achieve its low-carbon transition and calculated the Climate Value-at-Risk (CVaR)[5] of these transition risks, using it as a key indicator to assess the impact of climate-related risks on the Company's financial performance. The analysis of transition opportunities focuses on the market growth potential of the Company's main business segments, identifying and evaluating the potential impacts of significant transition opportunities from multiple dimensions, including policy and technology. The results indicate that without further carbon reduction measures, the climate transition will pose significant risks and operational pressures on the Company in the short and medium term; however, by actively promoting emission reduction actions, the Company can enhance its resilience in the low-carbon economy to address the challenges of the climate transition.

Tongwei's Transition Risk Matrix (Baseline) [6]



[1] IEA Net Zero Emissions by 2050 Scenario: This scenario presents an achievable pathway for the global energy sector to reach net zero CO2 emissions by 2050. This pathway does not rely on emission reductions from outside the energy sector to achieve its goal, and projects a temperature rise of 1.5°C by 2100.
[2] IEA Announced Pledges Scenario: This scenario assumes that all climate commitments made by governments worldwide, including Nationally Determined Contributions (NDCs) and long-term net zero targets, will be met in full and on time, projecting a temperature rise of 2°C to 3°C by 2100.
[3] IEA Stated Policies Scenario: This scenario is based on a sector-by-sector assessment of current specific policies and those announced by governments worldwide. It explores the potential trajectory of the energy system without additional policy implementation, projecting a temperature rise of 2.6°C above pre-industrial levels by 2100.
[4] The assessment model is derived from the transition risk assessment model of MioTech (https://www.miotech.com/zh-CN), which enables comparative analysis of climate risk levels among enterprises in the industry.
[5] Climate Value at Risk (CVaR): A key indicator used to quantify corporate transition risks, referring to the proportion of a company's overall enterprise value that is potentially at cost due to carbon pricing and related policies within a specific timeframe and under certain scenario assumptions.
[6] This matrix is only a baseline assessment of Tongwei's current transition risks and does not include future analysis under the IEA Net Zero Emissions by 2050 Scenario, the IEA Announced Pledges Scenario, or the IEA Stated Policies Scenario.

Tongwei's Transition Risk Identification, Assessment, and Response Measures[1]

Risk Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk Response Measures
Policies and Regulations	✓	✓	✓	• As the state introduces stricter policies and regulations to mitigate climate change and domestic carbon market policies continue to tighten, sectors such as cement and steel will be included in the national carbon trading scheme in 2025, increasing the Company's carbon compliance costs and compliance monitoring expenditures, thereby compelling a low-carbon transition in production processes. • The state has issued policy documents such as the *Guiding Opinions on Actively Promoting Supply Chain Innovation and Application* and the *Implementation Plan for Establishing a Carbon Footprint Management System* to strengthen requirements for green supply chains, requiring the Company to promote ESG management among its suppliers and address increasing compliance pressures. • Carbon-related policies require product carbon footprint traceability, prompting the Company to participate in product carbon footprint assessment and certification and increase R&D investment to meet the low-carbon thresholds of export markets.	• Production and Operations • Down-stream	• Increase operating expenses • Increase non-operating expenses • Increase R&D expenses	• The Company closely monitors domestic and international environmental and carbon policy developments, calculates organizational-level GHG emissions in accordance with relevant standards, and regularly assesses compliance costs and progress. • The Company conducts a full value chain carbon inventory, incorporates carbon performance into supplier evaluations, and optimizes raw material transportation and logistics solutions, continuously advancing the green supply chain partnership program. • The Company promotes life-cycle carbon footprint verification for products, expands the scope of product carbon footprint certification, and monitors international trade policy requirements related to carbon emissions to promptly assess export costs and adjust business plans. • The Company strictly adheres to the policies and regulatory requirements of its operating locations and the *Shanghai Stock Exchange Listed Companies Self-Regulatory Guideline No. 4 – Preparation of Sustainability Reports (Revised in January 2026)* for information disclosure, ensuring the authenticity and accuracy of data and information to prevent the risk of greenwashing.

[1] With reference to the *Shanghai Stock Exchange Self-Regulatory Guideline for Listed Companies No. 4 – Preparation of Sustainability Reports (Revised in January 2026)*, and in comprehensive consideration of policy requirements and laws and regulations in its operating locations, the Company's strategic planning, industry characteristics, investment cycles and capital allocation, asset lifecycles, and the nature of transition risks, Tongwei has divided the time horizons for transition risk impact analysis as follows: short-term as 2026, mid-term as 2027-2030, and long-term as 2031-2050.

Risk Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk Response Measures
Technology	✓	✓	✓	• If the systematic development of the energy management system lags, it could lead to low energy efficiency, thereby increasing unit product energy consumption and operating costs. • If the development and application of energy-saving technologies are insufficient, the expansion of production and operation scale will cause energy consumption and costs to rise rapidly with production capacity. • If the R&D or application of low-carbon technologies fails to meet expectations and new technologies cannot be commercialized, it may result in sunk investment costs. • As carbon emission control policies become stricter, investment in low-carbon technology R&D and equipment procurement costs will increase accordingly, raising the enterprise's compliance costs.	• Production and Operations	• Increase operating expenses • Increase capital expenditure • Increase R&D expenses	• By leveraging over 50 Fourth Industrial Revolution (4IR) application scenarios from the world's first "Lighthouse Factory" in the photovoltaic (PV) cell industry, the Company provides end-to-end digital energy efficiency management solutions to drive precise energy consumption monitoring and efficiency improvements. • The Company assesses the financial impact of energy consumption costs, progressively phases out high-energy-consumption and high-emission equipment and facilities, and promotes clean production audits and the development of green factories at its production bases. • The Company increases investment in energy-saving technological upgrades and advances technical transformation projects at its production bases, continuously reducing energy consumption and carbon emissions per unit of product through process optimization to achieve a dual enhancement of production capacity and energy efficiency. • The Company continuously optimizes its digital energy and carbon management systems, deploying AI applications through the "Lighthouse Factory" to achieve precise tracking of production energy consumption and real-time data analysis, providing data support for technological research and development and process improvements. • The Company strengthens research on the development and application feasibility of low-carbon technologies, establishing a strategic closed loop from laboratory innovation to industrial implementation, thereby reducing the risk of investment failure and enhancing technology transfer efficiency.

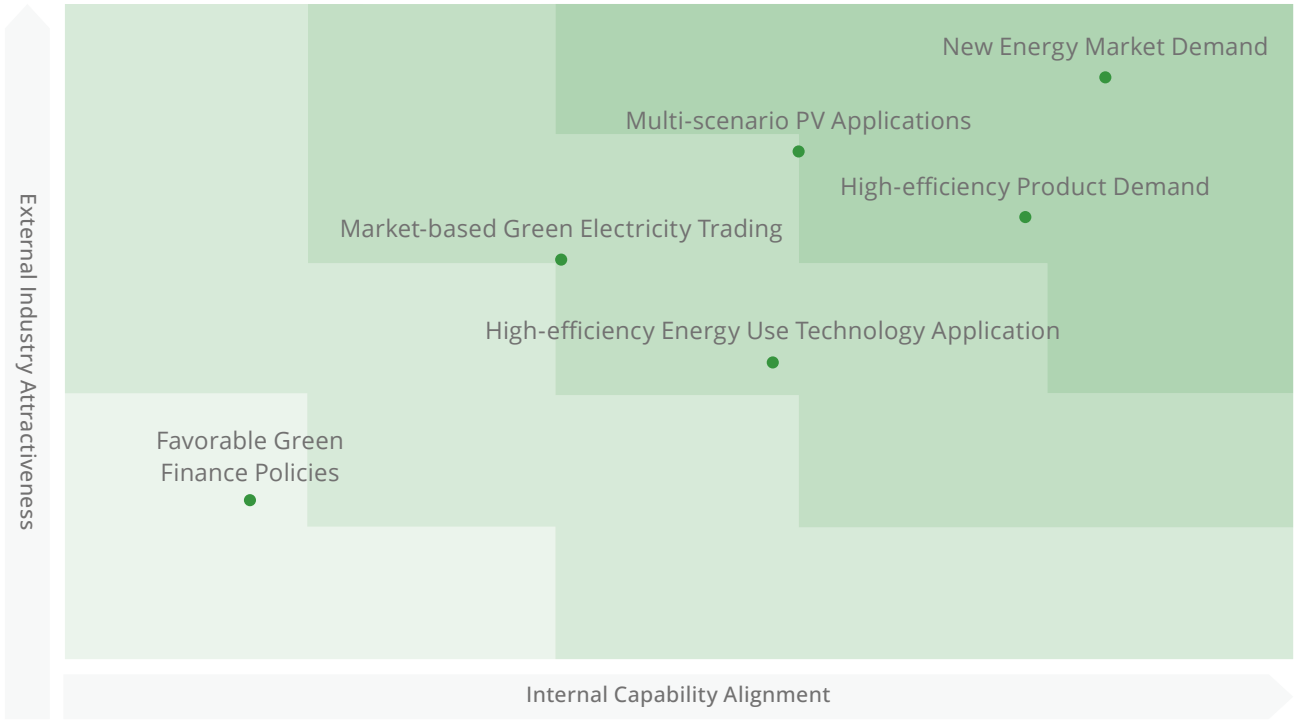
Risk Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk Response Measures
							• The Company has jointly launched the "Tongwei Global Sustainable Partner Co-construction Initiative" to collaborate with value chain partners in promoting the research, development, and application of low-carbon technologies, co-building sustainable supply chains, and sharing emission reduction experiences.
Market	✓	✓	✓	• The accelerated phase-out of subsidies and tax rebates for new energy results in the gradual withdrawal of policy benefits, shifting some costs back to enterprises and driving up production and operating expenses. • Climate change exacerbates cost increases in key areas such as raw materials, warehousing, and transportation, heightening the risk of rising operating costs. • Policy-driven price adjustments and intensifying competition among peers are leading to a decline in market prices for products, compressing corporate profit margins. • Customers are increasingly demanding products with green and low-carbon attributes, making low-carbon preferences an important factor influencing market access and competition.	• Upstream • Production and Operations • Downstream	• Increase operating expenses • Increase production costs • Decrease operating revenue	• Leveraging its leading cell conversion efficiency in the photovoltaics industry, the Company continuously enhances product power generation capacity through technological innovation to solidify its market position and secure profit margins with differentiated technical advantages. • The Company is expanding the scope of its product carbon footprint evaluation and certification to ensure that product carbon footprints comply with policy requirements and meet the procurement and access standards of global customers for low-carbon products. • The Company identifies and assesses the potential impacts of extreme weather and natural disasters on its logistics network and dynamically optimizes its emergency response mechanisms to ensure logistical stability and reduce the risk of raw material price fluctuations. • The Company has launched the "Global Sustainable Partner Co-construction Initiative" to establish strategic partnerships with high-quality collaborators, thereby strengthening supply chain risk response capabilities and enhancing supply chain security and stability.

Risk Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk Response Measures
							• Capitalizing on its integrated, full-industry-chain advantages, the Company replaces traditional materials with green, recyclable raw materials and is progressively establishing a module recycling system to extend product lifespans and reduce carbon emissions across the entire chain.
Reputation	✓	✓	✓	• Stakeholders, including regulatory authorities, investors, and customers, are placing higher demands on corporate transparency and substantive performance in climate action and sustainable development; inadequate information disclosure or improper responses could weaken market trust, impact brand premium capabilities, and potentially trigger additional expenses for brand repair and stakeholder communication. • Negative ESG public sentiment could lead to brand damage, potentially jeopardizing existing partnerships or resulting in the loss of customer segments with ESG-conscious purchasing habits, which in turn could impact product pricing power and market share.	• Production and Operations • Downstream	• Increase operating expenses • Increase non-operating expenses • Decrease operating revenue	• The Company continuously improves its carbon emission management mechanisms and builds an efficient and collaborative ESG governance system to fortify its risk defense from the source and effectively prevent negative ESG incidents. • Through diverse channels such as ESG reports, dedicated website sections, and stakeholder questionnaires, the Company proactively addresses concerns regarding climate issues, enhancing trust through transparent disclosure and responding to expectations with continuous improvement.

Transition Opportunities

Tongwei's analysis of transitional opportunities focuses on the market growth potential of the Company's main business segments, identifying and assessing the potential impact of significant transitional opportunities by integrating multiple dimensions such as policy and technology. The results indicate that by capitalizing on policy benefits and market growth, and by proactively developing multi-scenario photovoltaic application solutions and high-performance products, we can continuously enhance the Company's resilience and competitiveness in the low-carbon economy.

Tongwei's Transition Opportunity Matrix (Baseline)[1]



[1] This matrix is only a baseline assessment of Tongwei's current transition opportunities and does not include an analysis of future transition opportunities.

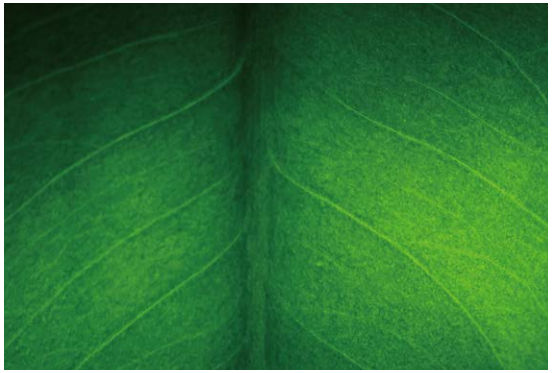
Tongwei's Transition Opportunity Identification, Assessment, and Response Measures[1]

Opportunity Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Opportunity Response Measures
Policy	✓	✓	✓	• The national *14th Five-Year Plan for Renewable Energy Development* clearly promotes the "PV+" comprehensive utilization initiative, and the 2025 *Guiding Opinions on Promoting the Integrated and Coordinated Development of New Energy* from the National Energy Administration further proposes advancing the integrated development of distributed new energy in multiple fields and encouraging innovative, multi-energy complementary development such as "water-wind-solar", providing policy opportunities for the Company to deepen its "Fishery & PV Integration" mode, explore composite development models, and achieve optimal resource allocation and efficient utilization. • The market-based trading mechanisms for green electricity at national and local levels are continuously improving, and the 2025 *Notice of the National Development and Reform Commission and the National Energy Administration on Deepening the Market-based Reform of On-Grid Tariffs for New Energy and Promoting High-Quality Development of New Energy requires all new energy* generation to enter the electricity market, providing an institutional guarantee for the Company to participate in green electricity trading and optimize its energy structure.	• Production and Operations • Down-stream	• Increase operating revenue • Decrease capital expenditure	• The Company continues to build distributed photovoltaic power generation projects at its bases, constantly exploring "Fishery & PV Integration" application scenarios and promoting the transition of the "Fishery & PV Integration" mode from "pilot projects" to "regional scale". • The Company actively signs direct green power connection and green certificate procurement agreements, and promotes the standardization of green certificate issuance and trading through policy advocacy, aiming to establish a Chinese green certificate system that aligns with international standards, expand the scale of green power market transactions, and increase green power sales revenue. • By applying green finance instruments such as green bonds and exploring new ones like green technology innovation bonds, the Company optimizes its financing structure and reduces the financing costs of its production and operations.

[1] With reference to the *Shanghai Stock Exchange Self-Regulatory Guideline for Listed Companies No. 4 – Preparation of Sustainability Reports (Revised in January 2026)*, and in comprehensive consideration of policy requirements and laws and regulations in its operating locations, the Company's strategic planning, industry characteristics, investment cycles and capital allocation, asset lifecycles, and the nature of transition opportunities, Tongwei has divided the time horizons for transition opportunity impact analysis as follows: short-term as 2026, medium-term as 2027-2030, and long-term as 2031-2050.

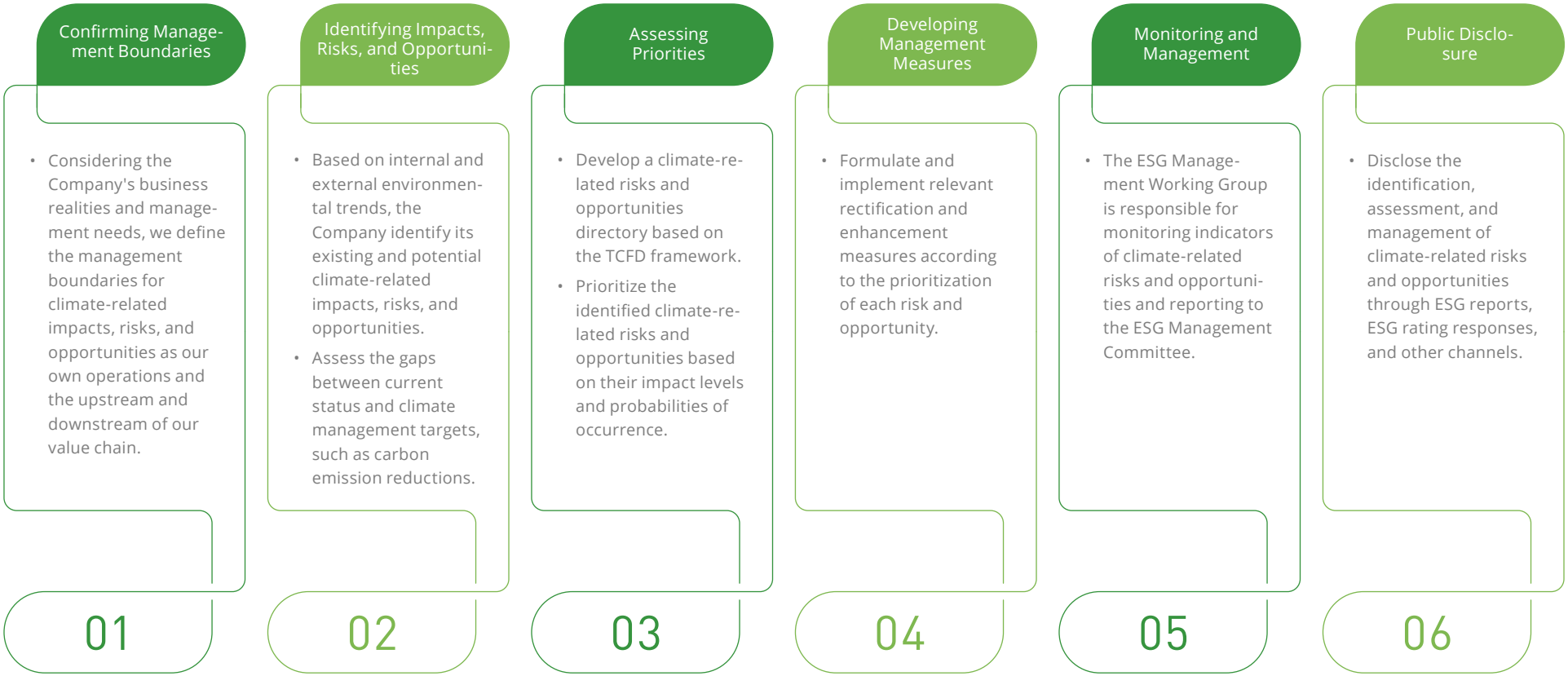
Opportunity Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Opportunity Response Measures
Policy	✓	✓	✓	• National and local Green Finance policies are significantly beneficial to the photovoltaics industry; the 2025 Implementation Plan for the High-Quality Development of Green Finance in the Banking and Insurance Industries, jointly issued by the National Administration of Financial Regulation and the central bank, specifies support for new energy industries like solar photovoltaics through project matchmaking and credit support, and enriches Green Finance products and services, providing diverse, low-cost financing channels for the Company's technological R&D and project construction.			
Market	✓	✓	✓	• Market demand for green electricity will continue to increase, which in turn will drive demand for photovoltaic power equipment components and raw materials. While exploring the demand for photovoltaic power supply in different application scenarios, the Company is also expanding related market opportunities for polysilicon, solar cells, and modules to meet the growing and diverse new energy needs of customers, thereby increasing operating revenue. • The development trend of multi-scenario "PV+" applications is becoming increasingly prominent, opening up incremental opportunities for the Company's sales of photovoltaic power equipment components and raw materials.	• Production and Operations • Downstream	• Increase operating revenue	• The Company focuses on a vertical integration strategy covering core segments such as polysilicon, solar cells, and modules, while continuously expanding diversified photovoltaic application scenarios like "Fishery & PV Integration" to provide customers with full-lifecycle services from high-efficiency products to comprehensive solutions. • Leveraging its R&D and manufacturing advantages in polysilicon, solar cells, and modules, the Company continuously launches superior-performance products, represented by high-efficiency N-type products, to meet the dual global market demand for high power generation gain and low-carbon attributes.

Opportunity Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Opportunity Response Measures
				• The market preference for high-efficiency N-type products is strengthening. Leveraging its accumulated expertise in advanced technologies such as TOPCon, the Company expects to further optimize its product premium capabilities and revenue structure.			
Technology	✓	✓	✓	• The Company's total comprehensive energy consumption is large and its carbon emission intensity is high; improving energy efficiency can not only drive carbon reduction at the operational level but also effectively reduce overall energy costs, achieving a dual improvement in economic and environmental benefits.	• Production and Operations	• Reduced Operating Expenses	• Relying on the cutting-edge technology layout of the Tongwei Global Innovation R&D Center, the Company comprehensively identifies energy-saving opportunities through the research and development of low-carbon production technologies, equipment upgrades, and process optimization. It has built a strategic closed loop of "cutting-edge technology research—pilot verification—mass production conversion" to continuously reduce product unit consumption and improve energy efficiency.



Impact, Risk, and Opportunity Management

With reference to the *Recommendations of the Task Force on Climate-related Financial Disclosures (TCFD)* and the *International Financial Reporting Standards Sustainability Disclosure Standard 2 - Climate-related Disclosures (IFRS S2)*, Tongwei has established and continuously refines its process for identifying, assessing, and managing climate-related impacts, risks, and opportunities. The ESG Management Committee is responsible for periodically reviewing climate change-related risks and opportunities, updating the risk inventory in a timely manner based on policy requirements, strategic planning, and business realities, and integrating it into the Company's comprehensive risk management process to systematically enhance the scientific rigor and adaptability of climate risk management, ensuring the effective integration of climate factors into business decision-making.



Tongwei's Climate-related Risk and Opportunity Identification, Assessment, and Management Process

Deep Decarbonization of Own Operations

To advance the climate goals of the Paris Agreement and the national strategy for "carbon peaking and carbon neutrality", Tongwei conducts organizational-level carbon accounting in strict accordance with the ISO 14064 international standard and national industry-specific GHG emissions standards, using the operational control approach as the accounting standard. The Company also encourages its subsidiaries to conduct carbon verification, which builds a solid data foundation for dynamically updating its carbon reduction targets and scientifically formulating carbon management plans.

Integrating policy requirements, electricity market prices, and its own operational realities, and referencing shadow carbon pricing theory, the Company is exploring the establishment of an internal carbon pricing mechanism covering Scopes 1, 2, and 3. It plans to apply this mechanism to all business and functional departments at the headquarters and to serve as an internal carbon pricing reference for all subsidiaries and production bases, with the aim of conducting cost-benefit analyses, driving energy efficiency improvements, promoting low-carbon investments, encouraging the inclusion of climate considerations in decision-making and Risk assessment, identifying and seizing low-carbon opportunities, and thereby optimizing the Company's future strategic formulation and financial planning.

Additionally, the Company continuously conducts internal low-carbon transition training and actively participates in carbon footprint-related training organized by government departments and third-party institutions to systematically enhance the team's ability to identify and quantify climate risks.

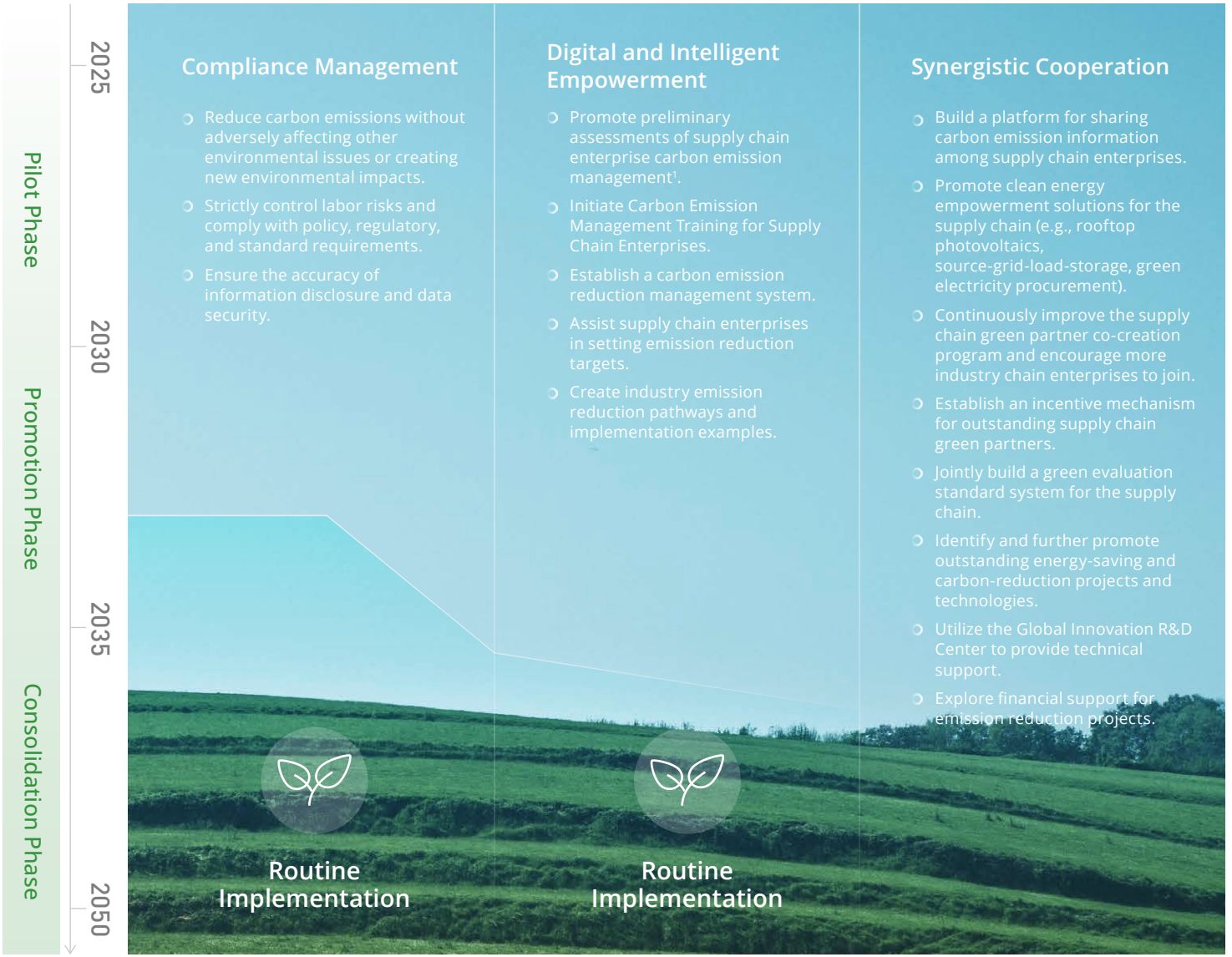
Tongwei Holds Its 2025 Carbon Inventory Kick-Off Meeting and Product Carbon Footprint Training

In December 2025, Tongwei held its "2025 Greenhouse Gas Inventory Kick-off Meeting and the Third Carbon Management Special Training on Product Carbon Footprint". The British Standards Institution (BSI) was invited to conduct the training based on the "ISO 14067:2018 Product Carbon Footprint" standard. Through a combination of theoretical explanations, case studies, and practical exercises, the event provided a systematic interpretation of the core knowledge, standard requirements, and practical methods for product carbon footprint accounting. The instructor emphasized key skills such as carbon data traceability and quantitative management and control, while also reviewing common issues from ISO 14064 verifications to solidify theoretical knowledge of GHG emissions and help address pain points and difficulties in practical work. A total of over 170 employees actively participated in the training, with 70 trainees successfully passing the examination and receiving qualification certificates from BSI, laying a solid foundation of capabilities for deepening product low-carbon management and aligning with international standards.

The 2025 GHG Inventory Kick-Off Meeting and the Third Carbon Management Special Training on Product Carbon Footprint

Collaborative Decarbonization of the Value Chain

Tongwei has formulated and implemented the "Global Sustainable Partner Program", which adopts a strategic framework of "Compliance Management - Digital and Intelligent Empowerment - Synergistic Cooperation" to advance the goal of value-chain carbon neutrality in stages. In 2025, the Company initiated a preliminary assessment of supplier carbon management by distributing information collection forms to key suppliers across five photovoltaic product categories. This effort systematically assesses their current management status in areas such as operational-level carbon accounting, carbon reduction target setting and progress, product carbon footprint evaluation, Renewable electricity usage, and carbon inventory and verification. The Company also conducted supplier carbon management training to lay the groundwork for subsequently building a supply chain emission reduction empowerment platform and aligning carbon management standards.



[1] The suppliers included in the 2025 carbon management stocktaking were all key category suppliers in the photovoltaics segment that contribute significantly to Tongwei's product carbon footprint and Scope 3 carbon emission.

Product Carbon Footprint Assessment

Tongwei has established a carbon footprint management mechanism centered on its ESG Management Committee, which features cross-departmental collaboration. This mechanism integrates functions such as product management, R&D, supply chain, plant operations, EHS, and production planning to jointly advance carbon footprint certification work. The Company actively identifies and integrates premium supply chain resources, continuously develops a robust product carbon footprint certification system, enhances its carbon footprint management capabilities across the entire chain, and supports its overseas market expansion.

The Company focuses on creating low-carbon, clean products and is continuously building a product-level carbon database for the entire industry chain. It encourages subsidiaries and production bases to commission third-party institutions for product carbon footprint and environmental impact assessments, and actively promotes the establishment of evaluation standards to build a solid data and standards foundation for carbon reduction throughout the product lifecycle.

Tongwei Participated in Developing the World's First International Standard for the Carbon Footprint of Photovoltaic Modules

In 2025, the world's first international standard for the carbon footprint of photovoltaic modules (IEC 63667-1), led by China, was successfully established, with Tongwei deeply involved throughout the process as a core enterprise. Leveraging its solid industry practices, Tongwei not only provided recommendations for the standard's development but also integrated local low-carbon technology practices into international rules. Tongwei's Hefei and Chengdu bases have been confirmed as the first batch of verification sites for the standard, providing critical empirical support for data models. The Company utilizes its practical experience to help overcome the limitations of international databases and promote the establishment of globally unified evaluation rules for the carbon footprint of photovoltaic products.

[1] Using benchmark product unit prices mitigates interference from industry cycle fluctuations, ensuring the objectivity of data comparisons.

Metrics and Targets

Climate Management Targets

Tongwei has broken down its climate management targets into five dimensions: carbon intensity, renewable energy use, zero-carbon factories, value chain collaboration, and product carbon footprint, progressively implementing action plans and management mechanisms. During the reporting period, the Company successfully achieved several phased objectives, continuously advancing carbon reduction and green transformation throughout the entire lifecycle of its production and operations.

Progress of Tongwei's 2025 climate management targets

Target Framework	2025 Performance Highlights
Total Carbon Emissions	• Scope 1 carbon emissions decreased by **22.05%** compared to 2024
Carbon Emission Intensity	• Operational scope carbon emission intensity (location-based) decreased by **23.44%** compared to 2024 • Achieved the goal to "strive to reduce carbon emission intensity by **19.5%** by 2025 compared to 2020" • GHG emissions per MW of photovoltaic products across the entire value chain reduced by **22.13%**
Renewable Energy Utilization	• Renewable electricity consumption reached **21,621,990.55 MWh**, accounting for **61.37%** of total electricity consumption
Zero-Carbon Factories	• A total of **10** production bases have obtained national-level green factory certification • **12** of its companies have passed the ISO 50001 energy management system certification
Value Chain	• Completed carbon inventory covering scopes 1, 2, and 3 in accordance with ISO 14064 • The Company was selected for the 2025 CDP Supply Chain Engagement Assessment (SEA) A-List
Product Carbon Footprint	• Added **56** new carbon footprint certifications (including 3 IEC 62994 certifications and 2 EPDs), bringing the cumulative total to **124** carbon footprint certifications (including EPDs)

Organizational-level carbon accounting

In 2025, Tongwei conducted carbon inventory and verification work

The verification scope covered the headquarters and 90 subsidiaries, with cooperating departments numbering over
600

Carbon emission sources screened and identified
4,381

Supporting documents traced and verified over
15,000

Subsidiaries obtaining ISO 14064-1:2018 GHG Verification Statement Certificates
16

Tongwei's GHG Emissions[1]

Indicator	Unit	2025	2024	2023
GHG Scope 1 Emissions				
Total GHG Scope 1 Emissions[2]	$MtCO_2e$	1.80	2.31	1.21
Stationary Emission Sources	$MtCO_2e$	0.36	0.37	0.39
Mobile Emission Sources	$MtCO_2e$	0.00	0.00	0.00
Industrial Process Emissions	$MtCO_2e$	1.40	0.40	0.47
Fugitive Emissions	$MtCO_2e$	0.04	1.50	0.35
GHG Scope 2 Emissions				
Total GHG Scope 2 Emissions – Market-Based	$MtCO_2e$	10.35	8.03	-
Total GHG Scope 2 Emissions – Location-Based	$MtCO_2e$	-	20.16	13.98
Total GHG Scope 2 Emissions – Location-Based (Provincial Grid)[3]	$MtCO_2e$	13.93	10.30	-

Indicator		Unit	2025	2024	2023
GHG Scope 3 Emissions					
Total GHG Scope 3 Emissions[4]		$MtCO_2e$	34.60	33.05	50.90
Upstream	Category 1: Purchased Goods and Services	$MtCO_2e$	33.68	31.95	49.06
Upstream	Category 3: Fuel- and Energy-related Activities (Not Included in Scope 1 or Scope 2)	$MtCO_2e$	0.02	0.02	0.20
Upstream	Category 4: Upstream Transportation and Distribution	$MtCO_2e$	0.42	0.80	1.18
Upstream	Category 5: Waste Generated in Operations	$MtCO_2e$	0.04	0.02	0.27
Upstream	Category 6: Business Travel	$MtCO_2e$	0.04	0.01	0.01
Upstream	Category 7: Employee Commuting	$MtCO_2e$	0.02	0.01	0.01
Downstream	Category 9: Downstream Transportation and Distribution	$MtCO_2e$	0.40	0.23	0.17

[1] The greenhouse gas emissions inventory includes carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride. Greenhouse gas accounting is presented in carbon dioxide equivalents.
[2] Scope 1 GHG emissions cover emissions from the combustion of bituminous coal, diesel, biodiesel, natural gas, and gasoline, process emissions from industrial production, and fugitive emissions from carbon dioxide fire extinguishers, refrigerants, septic tank CH_4, and wastewater treatment CH_4. Emission calculation coefficients are referenced from the *2006 IPCC Guidelines for National Greenhouse Gas Inventories*, *General Principles for Calculation of Comprehensive Energy Consumption* (GB/T 2589-2020), and *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions from Enterprises – Cement Industry* (CETS-AG-02.01-V01-2024).
[3] The 2025 location-based Scope 2 GHG emissions (provincial grid) were calculated based on the 2023 provincial average power CO_2 emission factors from the *Announcement on the Release of 2023 Power Sector Carbon Dioxide Emission Factors* (2025) issued by the Ministry of Ecology and Environment (MEE) and the National Bureau of Statistics.
[4] Scope 3 greenhouse gas emissions cover emissions from upstream material transportation and distribution, downstream finished product transportation and distribution, employee commuting, waste transfer, business travel, material consumption, tap water, and waste treatment. The emission calculation factors are based on the *Standard for Calculating Carbon Emissions of Building* (GB/T 51366-2019), the *Guidelines for Carbon Footprint Accounting and Carbon Neutrality Implementation for Convention and Exhibition Activities in Chengdu* (DB5101/T 41-2018), and various domestic and international carbon footprint databases.

Product carbon footprint certification

During the reporting period,

Carbon footprint certifications obtained for various product series (including 3 IEC 62994 certifications and 2 EPD certifications)

56

Cumulative carbon footprint certifications

124

Tongwei's New Product Carbon Footprint Certifications in 2025

	ISO	certisolis	ADEME	ECO PLATFORM EPD VERIFIED	IEC
Certification Types	ISO 14067 Product Carbon Footprint Certification	Simplified Carbon Assessment (ECS)	Life Cycle Assessment (LCA)	(Environmental Product Declaration) Environmental Product Declaration (EPD)	IEC 62994 Environmental Health and Safety (EH&S) Risk and Technical Assessment Certification
Number of Certifications	7	42	2	2	3

Green Finance

Tongwei actively implements the national green finance development strategy by participating in green investment, financing, roadshows, and exchange activities, and continues to deepen its strategic cooperation in green finance with financial institutions, establishing a diversified financing system that includes green working capital and project loans, green syndicated loans, and green bonds to achieve low-cost green financing, injecting financial momentum into reducing its product carbon footprint and enhancing the climate resilience of its industrial chain, thereby comprehensively improving its financial flexibility in response to climate transition risks.

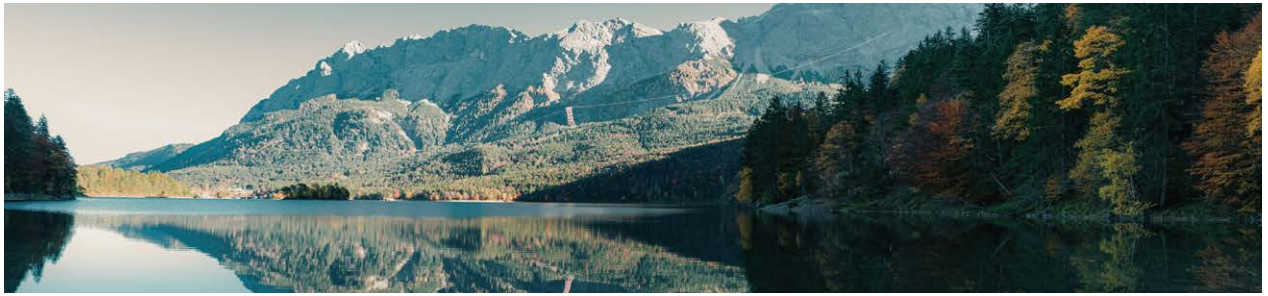
During the reporting period, the Company

Issued two tranches of green sci-tech innovation ultra-short-term financing instruments totaling

RMB **1** billion

Issued two tranches of green sci-tech innovation medium-term notes totaling

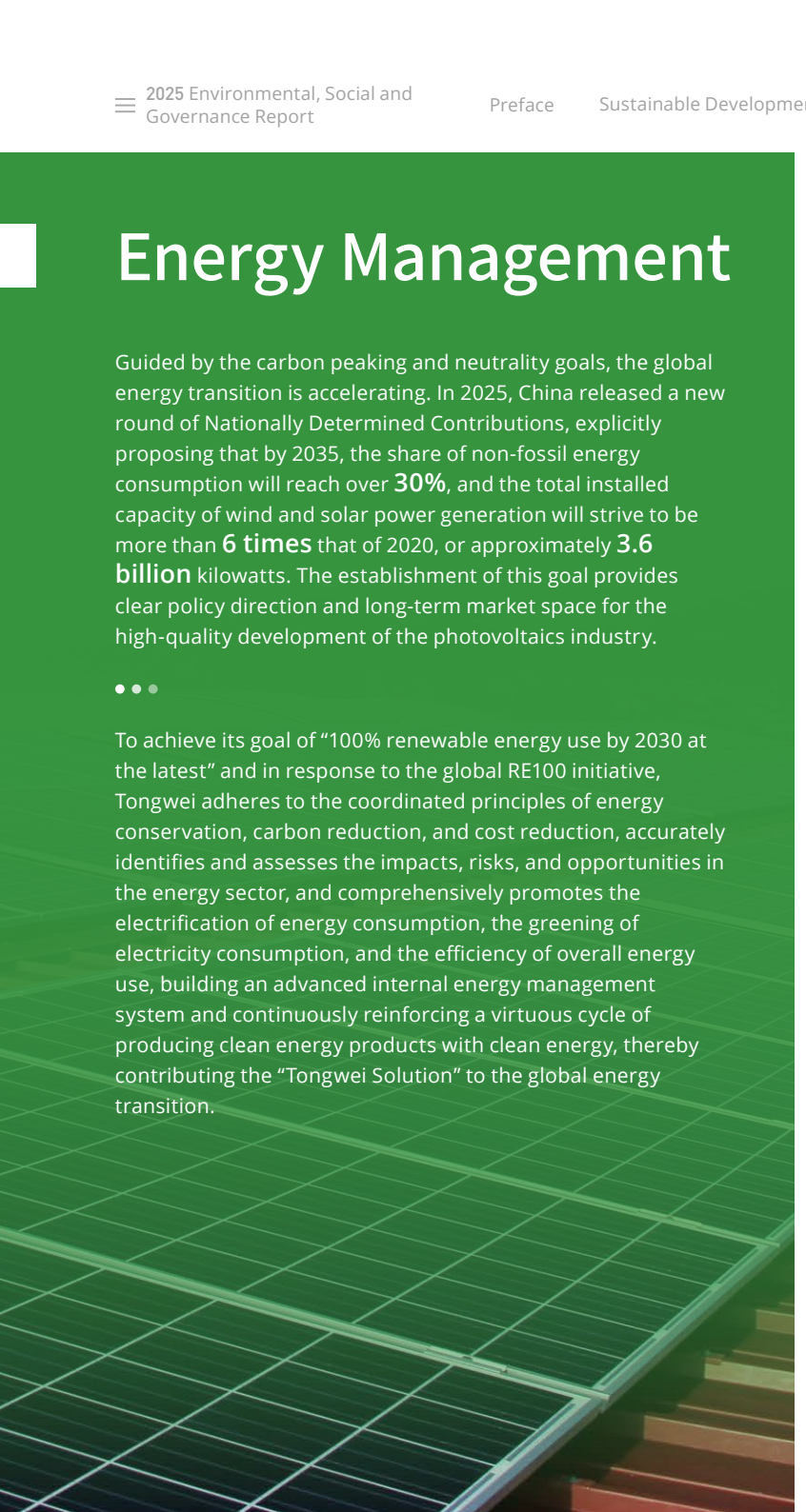
RMB **1** billion



Energy Management

Guided by the carbon peaking and neutrality goals, the global energy transition is accelerating. In 2025, China released a new round of Nationally Determined Contributions, explicitly proposing that by 2035, the share of non-fossil energy consumption will reach over **30%**, and the total installed capacity of wind and solar power generation will strive to be more than **6 times** that of 2020, or approximately **3.6 billion** kilowatts. The establishment of this goal provides clear policy direction and long-term market space for the high-quality development of the photovoltaics industry.

To achieve its goal of "100% renewable energy use by 2030 at the latest" and in response to the global RE100 initiative, Tongwei adheres to the coordinated principles of energy conservation, carbon reduction, and cost reduction, accurately identifies and assesses the impacts, risks, and opportunities in the energy sector, and comprehensively promotes the electrification of energy consumption, the greening of electricity consumption, and the efficiency of overall energy use, building an advanced internal energy management system and continuously reinforcing a virtuous cycle of producing clean energy products with clean energy, thereby contributing the "Tongwei Solution" to the global energy transition.



Governance

Tongwei strictly complies with the *Energy Conservation Law of the People's Republic of China* and other laws and regulations in its operating locations, and implements institutional documents such as the *Tongwei Co., Ltd. Energy Management Measures*, establishing a three-tier energy management structure of "headquarters coordination—operating entity responsibility—base-level implementation" to achieve vertical integration and collaborative governance of energy affairs. The Company encourages its subsidiaries and production bases to conduct energy audits to identify and assess opportunities for energy performance improvement, obtain energy management system certification, formulate and revise energy management policies based on business realities, and leverage Digitalization to enhance energy consumption monitoring and optimize energy structure, ensuring that energy use is standardized, efficient, and sustainable.

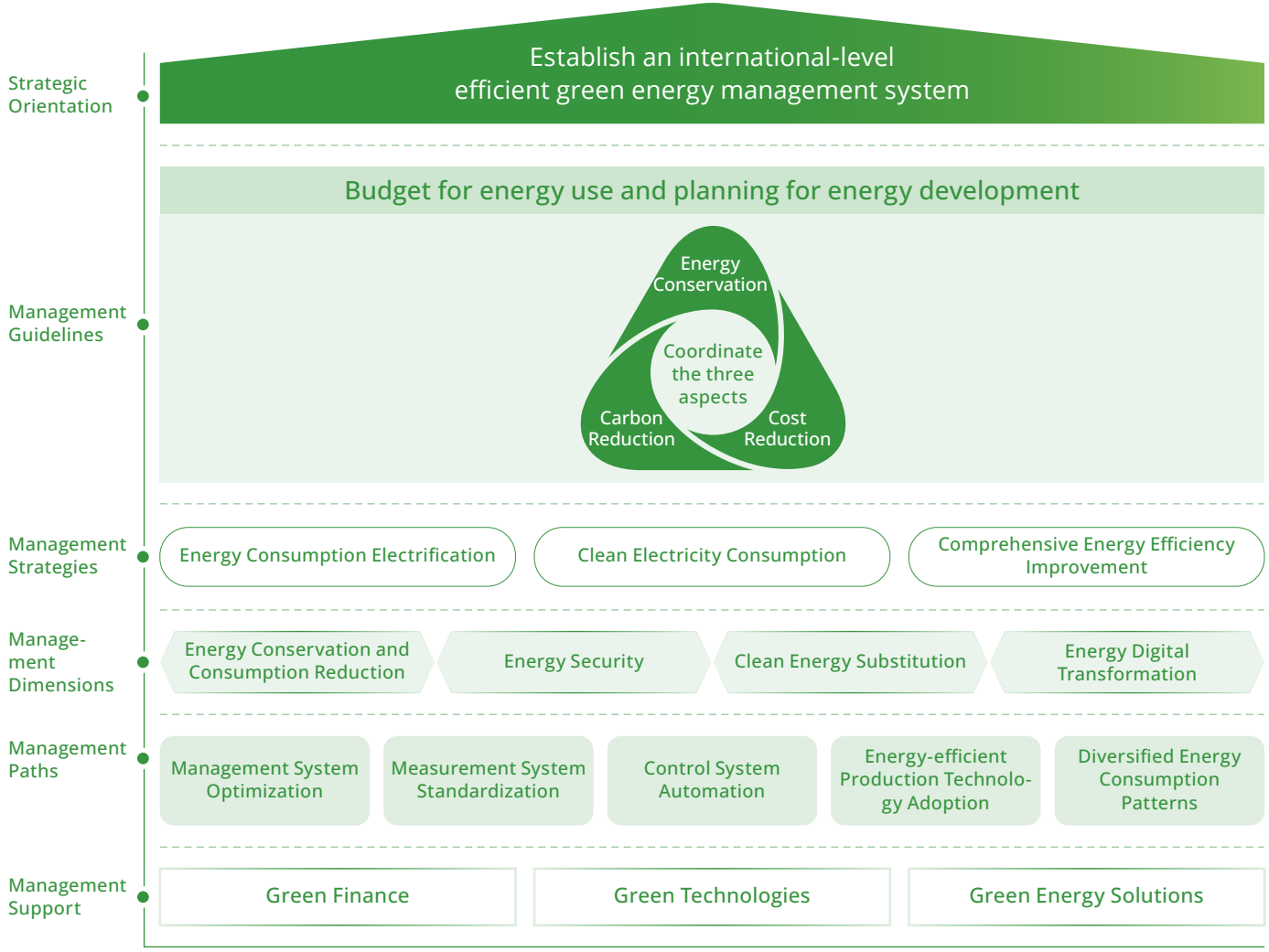
Management Level	Headquarters Core Business Management	• The ESG Management Committee coordinate energy management work and collaborate with all business entities and production sites to implement energy management measures. • Hold monthly analysis meetings and formulates action plans for energy efficiency improvement based on the meeting results. • Require all subsidiaries to implement a monthly energy ledger reporting mechanism.
Execution Level	Heads of Business Entities	• Participate in monthly analysis meetings, conduct energy data benchmarking analysis, and hold discussions on special improvements. • Regularly record energy and carbon data and submit monthly energy and carbon ledgers on time. • Carry out energy-saving technical retrofits and promotes clean energy use at all business entities and production sites.
	Plant Affairs Department or Energy Management Center at Each Production Site	

Tongwei's Energy Management Structure

Strategy

Tongwei adopts the management policy of "budgeted energy use and planned energy development", and the Company focuses on the four dimensions of energy saving and consumption reduction, energy security, clean energy substitution, and digital transformation, centering on five improvement pathways: optimizing the management system, standardizing the metering system, automating the control system, making production technology more energy-efficient, and diversifying energy use models, while leveraging green finance, green technology, and green energy as management support to drive a strategic leap from energy consumption control to energy efficiency improvement and finally to energy structure optimization.

Tongwei comprehensively considers policy trends, market layout, industry characteristics, and business realities to identify, assess, and manage short-, medium-, and long-term energy risks and opportunities[1]. In 2025, we identified three energy risks, including energy compliance management, energy consumption in production and operations, and energy metering, and one energy opportunity, which is the market-based pricing of new energy grid tariffs, and have adopted targeted measures such as ensuring energy supply, saving energy and reducing consumption, substituting with clean energy, and undertaking an energy digital transformation to comprehensively enhance our ability to address the challenges and opportunities of the energy transition.



Tongwei's Energy Management Strategy

[1] With reference to the *Shanghai Stock Exchange Guideline No. 4 for the Self-Regulation of Listed Companies - Preparation of Sustainability Reports (Revised in January 2026)* and in comprehensive consideration of factors such as policy requirements and laws and regulations in its operating locations, corporate strategic planning, industry characteristics, investment cycles and capital allocation, asset service life, and the nature of energy-related risks and opportunities, Tongwei has divided the time dimensions for analyzing the impacts of these risks and opportunities as follows: short-term as 2026, medium-term as 2027–2030, and long-term as 2031–2050.

Tongwei's Energy-related Risk Identification, Assessment, and Response Measures

Risk and Opportunity Types		Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk and Opportunity Response Measures
Energy Risks	Energy Compliance Management	✓	✓		• The accelerated pace of national energy legislation imposes stricter requirements on corporate compliance. More stringent special inspections on energy may trigger compliance rectifications, increase compliance costs, and affect the continuity of production and operations.	• Production and Operations	• Increase operating expenses • Increase non-operating expenses • Decrease operating revenue	• Strictly comply with the requirements of the *Energy Conservation Law of the People's Republic of China* and other laws and regulations in operating locations; optimize the energy management systems of the Company and its production bases; and balance costs with supply assurance through institutionalized energy management.
	Energy Consumption in Production and Operations	✓	✓		• Insufficient development and application of energy-saving technologies make it difficult to reduce energy consumption per unit of product, and capacity growth will directly increase total costs, thereby weakening marginal returns. • Fluctuations in power supply will lead to phased production reductions and controls, further squeezing profit margins and weakening market supply capacity.	• Production and Operations	• Increase operating expenses • Increase R&D expenses • Decrease operating revenue	• The Company continues to increase investment in energy-saving technological upgrades and advances production process optimization through its Global Innovation R&D Center. All production bases have increased their capacity and reduced energy consumption per unit of product through technological improvements, maintaining industry-leading energy consumption indicators. • The Company carries out power supply assurance work and explores new energy supply models, such as the integrated source-grid-load-storage system, to ensure energy security at its operating locations.

	Risk and Opportunity Types	Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Risk and Opportunity Response Measures
Energy Risks	Energy Metering	✓	✓		• The integrity and accuracy of the energy metering system directly affect the reliability of energy consumption data. If metering shortcomings lead to data distortion, it will undermine the effectiveness of energy budget execution and the scientific basis of energy-saving decisions, constraining cost control and the achievement of carbon reduction targets.	• Production and Operations	• Increase operating expenses • Increase R&D expenses	• The Company continuously optimizes its digital energy and carbon management system, deploying AI applications through its “Lighthouse Factory” to achieve precise tracking and real-time analysis of production energy consumption.
Energy Opportunities	Market-Based Grid Tariffs for New Energy		✓	✓	• The market-based reform of electricity prices creates premium opportunities for high-efficiency production capacity, while the improved green power trading mechanism brings incremental revenue. • The phasing out of outdated production capacity optimizes the industry's competitive landscape, enabling leading enterprises to achieve revenue growth and profit recovery through cost advantages and green credentials.	• Production and Operations • Downstream	• Increase operating revenue • Decrease operating expenses	• The Company actively expands the scale of its green power transactions, signs direct green power connection and green certificate procurement agreements, and seizes the institutional dividends and market opportunities brought by market-based reforms.

Impact, Risk, and Opportunity Management

Tongwei places great importance on energy security and energy conservation, encouraging all operating entities and production bases to identify, assess, and manage energy-related risks and opportunities. Through measures such as reducing energy consumption, ensuring energy security, increasing the use of clean energy, and optimizing digital energy management, the Company continuously refines its closed-loop management of energy risks and opportunities.

Identification	○ The Energy Management Teams, led by the Plant Affairs Departments, coordinates various departments to identify energy-related risks and opportunities through data analysis, on-site investigations, and other methods. ○ In accordance with the *Risk and Opportunity Control Procedure*, a systematic energy review is conducted at least annually. Monthly energy-saving audits are performed for continuous dynamic screening, and targeted identification is initiated upon significant changes in facilities or processes.
Assessement	○ Conduct qualitative assessments on identified energy performance improvement opportunities based on energy review results, combined with laws, regulations, and energy consumption data. ○ Prioritize risks and opportunities using the "Energy-saving Opportunity Ranking Criteria“. This process comprehensively weighs economic benefits, energy savings, return on investment (ROI) period, investment amounts, and production impacts to ensure resources are preferentially allocated to high-value improvement items.
Response	○ Mitigate risks through technical modifications, avoid risks by optimizing the energy structure, transfer risks by outsourcing non-core businesses, and accept and monitor low-priority risks. Response measures clearly define responsible departments and timelines. ○ Adhering to the principles of compliance priority, energy conservation first, and economic feasibility, priority support is given to technical modification projects with an investment payback period of ≤3 years. A zero-tolerance policy is applied to equipment exceeding energy consumption standards, which are phased out gradually.
Monitoring and Reporting	○ The executive level summarizes energy consumption data daily, tracks anomalies through energy metering and weekly and monthly statistics, and reports regularly to the management representative. ○ Convene management review meetings to report system operations to top management, driving continuous improvement in energy performance. ○ Formulate emergency contingency plans for sudden supply disruptions.

Tongwei's Energy Risk and Opportunity Identification, Assessment, and Management Process

Energy Conservation and Consumption Reduction

Tongwei has a profound understanding of its production and operational characteristics, treating production energy management as a cornerstone for both cost reduction and carbon reduction. Through comprehensive efforts in technological R&D, equipment retrofitting, process optimization, and management upgrades, the Company continuously explores its energy-saving potential and improves energy efficiency, laying a solid foundation for stable operations and a green, low-carbon transformation.

Technological R&D

- Implemented energy-saving technological upgrades to reduce the electricity consumption of cleaning, slicing, and degumming machines, as well as power and wastewater stations, resulting in electricity savings of over RMB 39 million for Tongwei Solar.

Equipment Retrofitting

- Achieved electricity savings of over RMB 8 million for Tongwei Solar Technology through equipment retrofitting projects, including improvements to the factory vacuum system, PCW water pump operational controls, and M3 chiller operating modes.
- Reduced energy consumption per unit of product by promoting the automated and intelligent transformation of the Tongwei Agriculture Development catfish production line and phasing out low-efficiency facilities and equipment.

Process Optimization

- All production bases conducted research on energy-saving technological processes, including but not limited to using vacuum systems instead of CDA to reduce air compressor energy consumption, improving energy efficiency in CDA systems, and studying the impact of DCS component content on reduction furnace electricity consumption.

Management Upgrades

- Promoted the use of the Tongwei Agriculture Development IoT system to collect energy consumption data from main equipment and monitor operational efficiency, increasing the Overall Equipment Effectiveness (OEE) compliance rate to 85% and reducing production energy consumption.

Tongwei's Key Initiatives for Energy Conservation and Consumption Reduction in 2025

The 3rd "Tongwei Energy Efficiency Cup" Best Practices in Energy Conservation and Consumption Reduction Awards and the Sustainable Management Outstanding Individual Awards

To further advance cost reduction and efficiency improvement efforts and support the steady achievement of its carbon neutrality goals, Tongwei successfully held the 3rd "Tongwei Energy Efficiency Cup" Best Practices in Energy Conservation and Consumption Reduction Competition, themed "Green Transformation, Energy-Saving Breakthroughs". The event solicited outstanding energy-saving projects from the photovoltaics and agriculture & animal husbandry sectors, evaluating them based on multiple dimensions including energy-saving effectiveness, implementation difficulty, promotional value, economic benefits, and social contributions. Following a process of base-level applications, reviews and recommendations by operating entities, and a final comprehensive evaluation by the corporate management headquarters, 21 winning projects were selected, including one first prize, three second prizes, five third prizes, and seven excellence awards.

At the same time, to further inspire an awareness of energy management among all employees and solidify the foundation for energy conservation, the Company also recognized 12 outstanding individuals for their exceptional performance in sustainable management. Their exemplary roles are intended to drive full employee participation and continuously foster a positive atmosphere of green, low-carbon development and cost reduction.

Winners list (Partial) of the 3rd "Tongwei Energy Efficiency Cup" Best Practices in Energy Conservation and Consumption Reduction Awards

The 3rd "Tongwei Energy Efficiency Cup" Best Practices in Energy Conservation and Consumption Reduction Awards Selection Event

Judging Experts, Audit Experts, and Award-Winning Representatives at the 3rd "Tongwei Energy Efficiency Cup"

Ensuring Energy Security

Tongwei regards the security of its power supply as a critical line of defense for operational continuity, systematically identifying risks such as operational disruptions and cost fluctuations that may arise from power interruptions or shortages. The Company adheres to a "prevention-first" principle, strengthening energy security at its operating locations through multiple measures such as enhancing grid coordination, improving emergency response mechanisms, and exploring new energy supply models like the integrated source-grid-load-storage system, thereby continuously improving the resilience and reliability of its energy systems.

Tongwei's 2025 Main Power Supply Assurance Measures

Providing Internal Guidance on Power Supply and Demand

- The ESG Management Committee issues a weekly analysis report on power supply and demand, and releases a daily report whenever a supply-demand gap emerges, providing all bases with forward-looking and professional guidance.

Standardizing the Power Supply Assurance System

- Held the 2025 kick-off meeting for peak summer power supply assurance, conducted special sessions to deploy key tasks and collect suggestions for improvement, and unified the approach to power assurance work during the peak summer period.
- Organized all bases to formulate the "2025 Emergency Plan for Peak Summer Power Supply Assurance", conducted emergency drills, and enhanced the level of emergency response and power supply reliability.

Strengthening Communication and Exchange with Regulatory Authorities

- The Company maintains daily communication with electricity authorities such as economic and information technology departments, energy bureaus, and power supply companies to dynamically assess regional electricity supply and demand and predict power grid load curves, ensuring timely awareness of policy developments.
- By communicating with economic and information technology departments and power supply companies to understand the actual supply-demand gaps in the regional power grid, we resolve power curtailment issues at our bases in a timely manner through government-enterprise collaboration.
- Each production base actively utilizes grid demand response policies to maximize revenues from such responses and mitigate the impacts of power curtailments.

Clean Energy Substitution

Tongwei places significant emphasis on the strategic opportunities presented by the growth of clean energy, making clean energy substitution and promotion a core strategy to systematically advance the optimization of the energy structure across all its business entities and production bases. The Company is continuously increasing its share of clean energy consumption and enhancing energy efficiency by pursuing multiple pathways, including developing distributed photovoltaics at its bases, advancing the construction of new power systems, conducting grid-connected green electricity trading, and exploring direct green power connection cooperation, thereby achieving synergistic progress in both green and low-carbon transformation and operational efficiency.

01 Developing Distributed Photovoltaics at Production Bases

As of the end of the reporting period, Tongwei has completed multiple distributed photovoltaic power generation projects at its production bases and is actively exploring source-grid-load-storage projects.

02 Advancing the Construction of New Power Systems

Tailored to the energy consumption scale and load characteristics of different production bases, the Company is actively exploring the integrated source-grid-load-storage model and deploying digital energy storage dispatch systems. It employs differentiated solutions to promote the optimization of its energy consumption structure, simultaneously achieving cost control and green transformation.

03 Conducting Grid-Connected Green Electricity Trading

We engage in the external procurement of grid-connected green electricity and vigorously promote the purchasing of green electricity certificates.

04 Exploring Direct Green Power Connection Cooperation

The Company has signed direct green power connection cooperation agreements with partners to explore three main development directions: technological adaptation and power grid security, scientific optimization of the power supply mix, and a "phased construction, gradual implementation" approach for direct green power connection projects.

Tongwei's Key Initiatives for Clean Energy Substitution

Commencement of China's First Market-Based Wind-Solar-Storage Integrated Project for Green Power Silicon Production with Wind-Solar Coupling

On February 22, 2025, construction began on the Inner Mongolia Tongwei Green Base Material's 350,000 kW wind-solar-storage integrated project. This is China's first market-based wind-solar-storage integrated project for green power silicon production with wind-solar coupling, featuring a joint-stock collaboration between a Fortune 500 private enterprise and a central state-owned enterprise, full self-generation and self-consumption via the grid, and a renewable energy share exceeding 50%. The project is scheduled to connect to the grid in May 2026, with an estimated annual power generation of 930 million kWh, which will reduce annual operational carbon emissions by over 600,000 tons, contributing to optimizing the regional energy supply structure and achieving China's carbon peaking and neutrality goals.

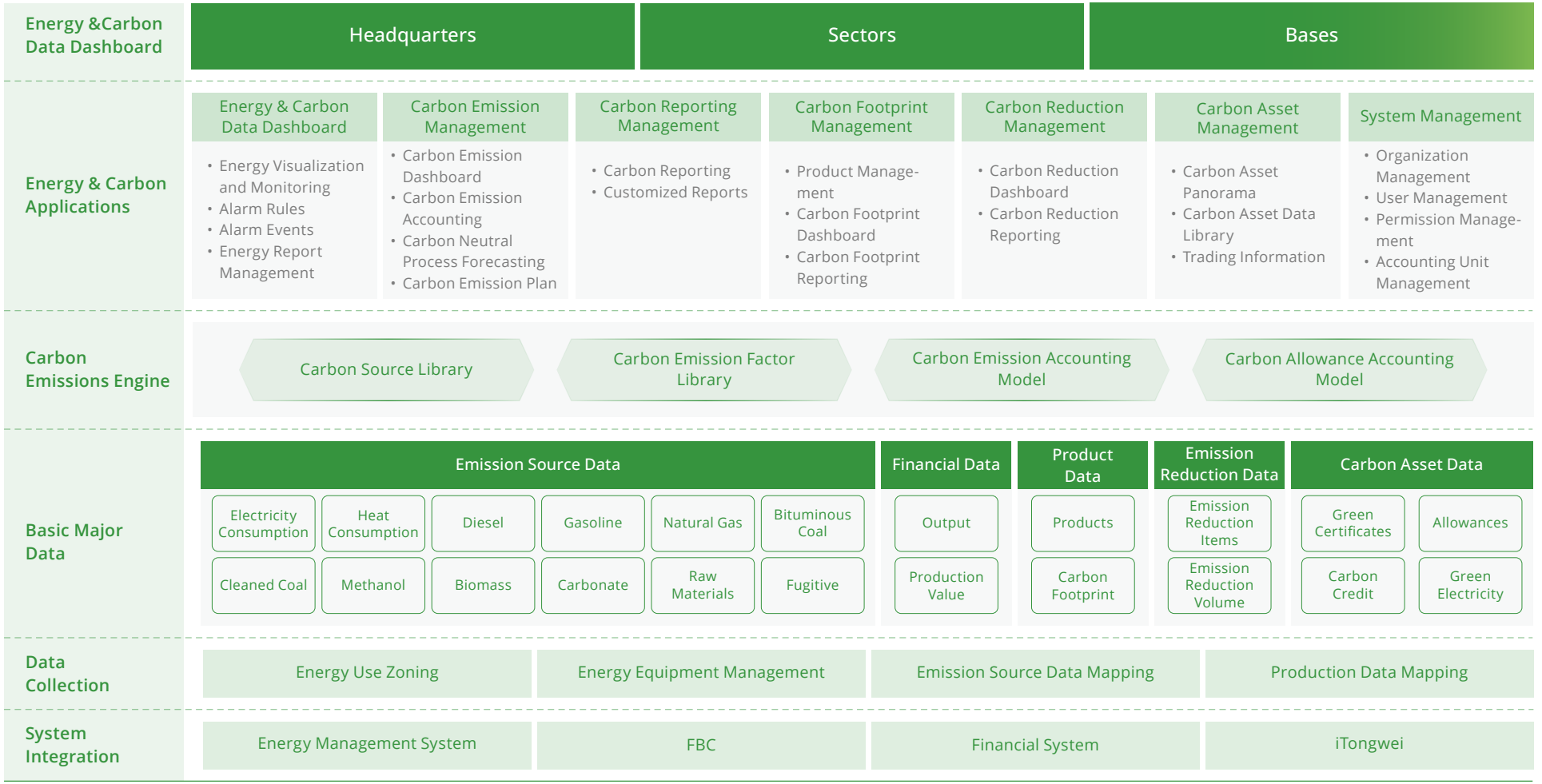
Furthermore, the project adopts a “grass-solar complementarity” model, integrating photovoltaic power generation with grassland ecological restoration and modern pasture construction to achieve a win-win for both economic and ecological benefits. By planting grass and raising livestock under the solar panels, it promotes the recovery of the grassland ecosystem while increasing the income of local farmers and herders, providing an innovative path for regional sustainable development.

Inner Mongolia Tongwei Green Base Material's 350,000 kW Wind-solar-storage Integrated Project

[1] The project emission reductions are calculated based on the 2023 average carbon dioxide emission factor for provincial electricity in Inner Mongolia.

Digital Energy Management

With a data-driven core, Tongwei has built an integrated sustainable development management platform to systematically improve energy efficiency, optimize the energy consumption structure, and enhance supply stability. This platform provides refined management support for production and operations while establishing a solid data foundation for decision-making to achieve the Company's carbon neutrality goals. The platform incorporates four main functions: templated carbon emission accounting, task-based carbon inventory, panoramic carbon asset management, and end-to-end tracking of emission reduction projects. It enables real-time monitoring of carbon emissions, product carbon footprint, and carbon assets, effectively empowering internal energy and carbon management and the implementation of the sustainable development strategy.



Tongwei's Integrated Sustainable Development Management Platform System Architecture

Metrics and Targets

Energy Management Targets

Baseline Year	Target Year	Target Description	Target Progress
2023	2030	To achieve 100% renewable energy use no later than 2030	In Progress

Energy Consumption

During the reporting period, the Company

Purchased electricity

33,557,887.54 MWh

a year-on-year decrease of

10.31 %

Electrification rate

88.93 %

Renewable electricity consumption

21,621,990.55 MWh

Share of total electricity consumption

61.37 %

Self-generated and self-consumed green electricity

675,533.52 MWh

Tongwei's Energy Consumption

Energy Types	Unit	2025	2024	2023
Direct Energy Consumption				
Bituminous Coal	Ton	110,936.67	112,418.75	113,787.87
Gasoline	Liter	246,915.94	254,311.01	308,409.86
Diesel	Liter	1,108,324.91	1,359,538.98	1,200,973.58
Biodiesel	Ton	212,532.24	403.78	486.89
Natural Gas	Cubic Meter	63,347,817.97	70,496,373.15	79,528,610.25
Liquefied Natural Gas	Ton	0.00	2,828.66	113,049.57
Liquefied Petroleum Gas	Ton	30.04	83.02	22.97
Total Direct Energy Consumption	tce	474,886.50	181,762.66	388,252.48
Indirect Energy Consumption				
Purchased Steam	Ton	301,089.25	299,191.13	351,083.71
Purchased Electricity	MWh	33,557,887.54	37,415,063.80	24,330,084.33
Total Indirect Energy Consumption	tce	4,162,984.46	4,636,787.32	3,035,316.73
Comprehensive Energy Consumption				
Total Comprehensive Energy Consumption	tce	4,637,870.95	4,818,549.98	3,423,569.21
Comprehensive Energy Consumption Intensity	tce/RMB 1 Million of Revenue	55.13	55.13	24.61

Energy Conservation and Consumption Reduction Achievements

During the reporting period, the Company

Implemented energy conservation and consumption reduction projects, totaling

170

Achieving annual electricity savings of

over **1,550** million kWh

Energy Management System Certification

As of the end of the reporting period,

Subsidiaries certified under the ISO 50001 Energy Management System

12

Digital Energy Management

As of the end of the reporting period, the Tongwei Integrated Sustainable Development Management Platform System

Had managed various sustainability projects, including carbon footprint projects totaling

39

Carbon emission reduction projects (comprising 4 for electricity saving and 1 for water saving)

6

Carbon credit project

1

Green power certificate trading projects

13

Data collection and management have been implemented across

14 bases

Automated collection sites

126

Achieving an integration coverage rate of

89.4 %

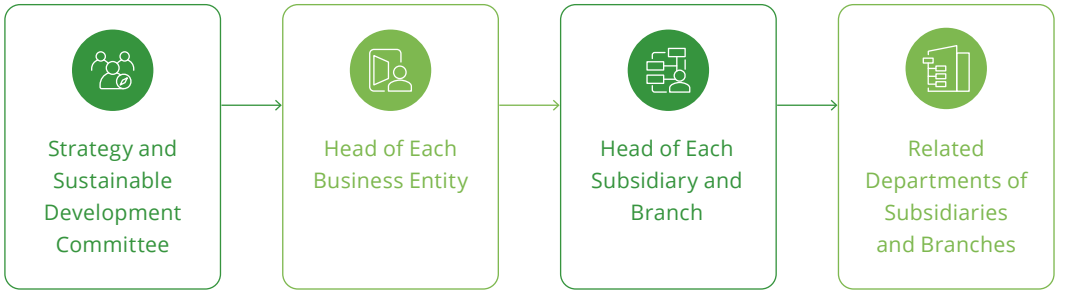
Water Stewardship

Research from the United Nations University indicates that melting glaciers are weakening the natural "buffer" of water resources, posing a long-term threat to global freshwater systems, agricultural output, food production, and ecosystems. According to the Food and Agriculture Organization of the United Nations' *2025 Water Resources Data Digest*, global per capita renewable water resources have declined by another 7% over the past decade, and the supply-demand imbalance in many water-scarce regions continues to intensify. Freshwater resources remain extremely scarce, particularly in areas like North Africa and West Asia. In recent years, the continuous increase in freshwater extraction in many places has placed greater pressure on river basins and underground aquifers. As the world's largest water-consuming sector, agriculture accounts for 72% of total water withdrawals in many regions, making the improvement of agricultural water efficiency and the optimization of water use structures a key path to alleviating water resource constraints.

In response to global water resource constraints, Tongwei has integrated Water Resources Management into its core sustainability agenda. The Company systematically promotes water conservation and efficiency, as well as water risk management, tailored to the characteristics of its photovoltaic manufacturing and agri-animal husbandry industry chains. In the photovoltaics segment, we optimize water use in production processes and promote the use of recycled water and reclaimed water. In the agri-animal husbandry segment, we strengthen fine-grained water management to reduce pressure on regional water environments. Concurrently, the Company incorporates water resource risks into its site selection assessments for investments and utilizes digital platforms to monitor the entire water use process. These measures not only ensure production stability but also reduce reliance on natural water bodies, contributing to regional water security and environmental improvement.

Governance

Tongwei strictly complies with the laws and regulations of its operating locations, including the *Water Law of the People's Republic of China and the Regulations on Water Conservation*, and has formulated water resource management systems such as the *Procedures for the Management of Water and Electricity Conservation* and the *TQM Continuous Improvement Management Measures*. The Company has established a comprehensive water resources governance structure. The Strategic Sustainable Development Committee serves as the highest decision-making and supervisory body, chaired by Chairperson and Chief Executive Officer (CEO) Ms. Liu Shuqi, who is responsible for deciding, supervising, and reviewing water resource management strategies and performance. At the operational execution level, heads of subsidiaries and responsible departments carry out specific water conservation and use initiatives based on business realities. Water consumption indicators are included in the performance assessments of relevant managers, linking water resources management to the remuneration system.



Tongwei's Water Resource Management Structure

Strategy

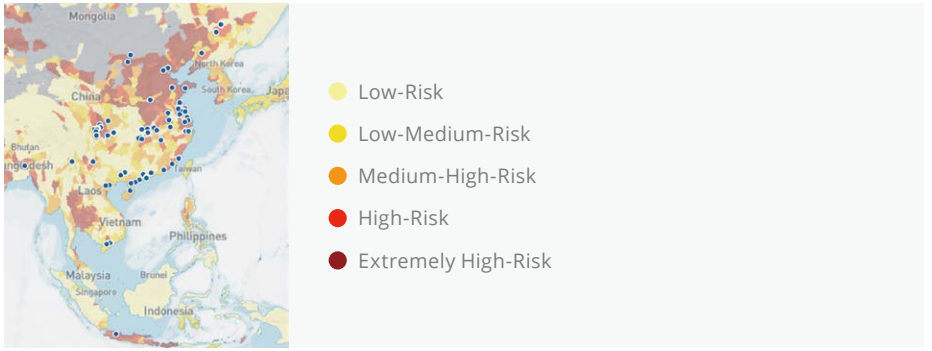
As a leading enterprise deeply engaged in the green energy and green agriculture sectors, Tongwei has established a comprehensive water resources management strategy driven by the dual engines of "management empowerment and technological innovation". By improving water conservation management systems and innovating the application of water-saving technologies, the Company reduces its dependence on water resources and the risk of shortages at the point of use, driving the economical, intensive, rational, and efficient utilization of water resources.

Water Risk Assessment

In 2025, Tongwei used the latest version of the World Resources Institute (WRI) Water Risk Assessment Tool to conduct a water risk assessment for 90 of its main subsidiaries, identifying water stress and potential risks. Based on the assessment results, the Company formulates differentiated water risk management strategies tailored to the total water consumption and water use structure of each subsidiary. It implements specific measures such as controlling water withdrawal and consumption to enhance water use efficiency and strengthen the Company's overall sustainable water management capabilities.

The assessment results show a differentiated distribution of water-related risks across Tongwei's subsidiaries: some subsidiaries have risks at a controllable level, while others face higher pressure. Based on this, the Company needs to formulate targeted management measures for high-risk subsidiaries while maintaining continuous monitoring of low-risk ones to ensure the achievement of water management and corporate sustainability goals.

Water Stress Risk Level	Proportion
Extremely High-Risk Areas	17.80%
High-Risk Areas	18.00%
Medium-High-Risk Areas	24.40%
Low-Medium-Risk Areas	11.10%
Low-Risk Areas	28.90%



Distribution of Water Stress Risk for Subsidiaries

Based on the conclusions of the above water risk assessment, the Company conducted a further forward-looking water resource risk scenario analysis to quantitatively predict the physical, regulatory, and reputation risks in the regions where its main operating bases are located for the years 2030 and 2050. By compiling and presenting the number of operating sites under different risk levels, we clearly reveal the distribution patterns and evolutionary trends of various water resource risks across multiple scenarios, providing a reference for medium- and long-term water resources management and strategic planning.

[1] Project Physical risks primarily refer to factors such as water scarcity, floods, changes in water quality, and degradation of ecosystem services, which may adversely affect operational stability, cost control, and supply chain continuity.

[2] Regulatory risks mainly include categories such as environmental, institutional and governance, management tools, and water, sanitation and hygiene (WASH) infrastructure.

[3] Reputation risks primarily refer to factors related to water, such as cultural values, biodiversity importance, media attention, and potential conflicts; these risks can have a substantial impact on key indicators like brand value and market share and are categorized into environmental, socioeconomic, and other reputational factors.

Risk Types	Scenario Description	Key Assumptions	Time Horizon
Physical Risk Regulatory Risk Reputation Risk	**Optimistic Scenario** ○ Global Warming (RCP2.6/RCP4.5): GHG emissions are halved by 2050, and the global average surface temperature increase does not exceed 2°C by the end of the century. ○ Socio-economic Development (SSP1): Socio-economic growth is sustainable, characterized by a strong rule of law and effective regulatory institutions, rapid technological change, improved water use efficiency, and a low population growth rate. **Current Scenario** ○ Global Warming (RCP4.5/RCP6.0): GHG emissions peak around mid-century and then begin to decline, with the global average surface temperature likely to rise by more than 2°C by the end of the century. ○ Socio-economic Development: Under this scenario, global development follows a moderate trend, with slow population growth, narrowing but not significant income gaps, progress in environmental protection but at a slow pace, and a moderate transition of the energy system. **Pessimistic Scenario** ○ Global Warming: GHG emissions continue to rise throughout the 21st century, with the global average surface temperature likely to increase by more than 3.5°C to 4°C by the end of the century. ○ Socio-economic Development: This scenario is characterized by regional competition and inequality, reflected in slow economic growth, weak rule of law and regulatory bodies, small-scale environmental and technological investment, and high population growth rates, with these features being particularly pronounced in developing countries.	**Global Water Resources Management Policy:** It is assumed that within the time window of the scenario analysis, the policy stances of international organizations and countries on water security, water use, water supply, water resource development, and wastewater treatment will remain unchanged, and that policy implementation and development trends will remain consistent. **Global Economic Situation:** The global economy is expected to maintain stable growth in the foreseeable future, with a stable global economic environment, stable labor markets, a stable financial system, and a reasonable industrial structure, without significant fluctuations or global or regional economic and financial crises. **Company Assumptions:** It is assumed that the main business scope of the 90 subsidiaries will remain as is during the assessment period, without considering the addition or closure of bases. It is also assumed that the existing business models and scale will not undergo fundamental changes.	Mid-term: 2030 Long-term: 2050

2030

Risk Level	Physical Risk			Regulatory Risk			Reputation Risk		
	Optimistic Scenario	Current Scenario	Pessimistic Scenario	Optimistic Scenario	Current Scenario	Pessimistic Scenario	Optimistic Scenario	Current Scenario	Pessimistic Scenario
Very Low Risk	0	0	0	44	0	0	0	0	0
Low Risk	3	3	3	40	82	46	0	0	0
Medium Risk	35	29	14	6	5	38	0	0	0
High Risk	51	57	66	0	3	6	59	58	58
Very High Risk	1	1	7	0	0	0	31	32	32
Extremely High Risk	0	0	0	0	0	0	0	0	0

2050

Risk Level	Physical Risk			Regulatory Risk			Reputation Risk		
	Optimistic Scenario	Current Scenario	Pessimistic Scenario	Optimistic Scenario	Current Scenario	Pessimistic Scenario	Optimistic Scenario	Current Scenario	Pessimistic Scenario
Very Low Risk	0	0	0	83	0	0	0	0	0
Low Risk	3	1	1	7	31	0	0	0	0
Medium Risk	31	18	12	0	52	0	0	0	0
High Risk	55	66	69	0	7	83	57	56	57
Very High Risk	1	5	8	0	0	7	33	34	33
Extremely High Risk	0	0	0	0	0	0	0	0	0

According to the results of the scenario analysis, the Company's subsidiaries will exhibit different development trends in physical, regulatory, and reputation risks from 2030 to 2050. Physical risks show an overall upward trend, with an increase in the number of high-risk subsidiaries, particularly concentrated under the pessimistic scenario. Regulatory risks trend downwards in the optimistic scenario but show an increase in the proportion of medium-to-high-risk subsidiaries in the current and pessimistic scenarios, reflecting that compliance pressure is significantly region-specific and scenario-sensitive. Reputation risks remain high overall, indicating that reputational sensitivity may be prevalent throughout the Company and requires the establishment of long-term management mechanisms to address it.

Impact, Risk, and Opportunity Management

To address water-related risks, the Company has implemented multiple water conservation projects for all subsidiaries in water-scarce and high water-stress regions, including enhanced control and key support measures. Relying on systematic management mechanisms and specialized technological innovation, the Company integrates the philosophy of water conservation into the entire operational process, strengthens the unified management of water resources, optimizes water use structures, reduces inefficient losses, and promotes the standardized, refined, and long-term development of water conservation efforts. During the reporting period, the Company implemented 26 water conservation improvement projects, saving 4.2942 million tons of water.

Institutional Safeguards

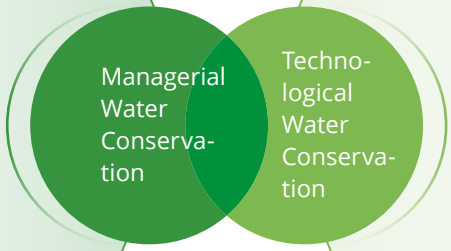
- Establish a water consumption management team with members assigned to all water-using units and teams, responsible for water consumption and water quality indicators;
- Formulate and implement a recycled water management system, establishing strict standards for water use efficiency and water quality;
- Incorporate targets for water consumption and quality into performance assessments to ensure water conservation responsibilities are assigned to specific roles;
- Conduct training and on-the-job awareness campaigns to enhance employee water conservation consciousness, with recognition and rewards for individuals/teams who excel in water-saving efforts.

Digital and Refined Management

- Establish an Information Platform for the Water System to Automatically Collect and Classify Data on Water Intake, Distribution, and Consumption Across the Entire Plant, and Calibrate Flow Meters to Ensure the Accuracy of Flow Measurements;
- Each subsidiary conducts regular water use audits based on its specific circumstances to assess the water efficiency and compliance of each stage;
- Implement real-time monitoring and early warning systems for abnormal water use, underground leaks, and excessive consumption to reduce inefficient water loss.

Standardized Management of Water Body Quality

- Systematically Classify All Water Use Points According to Water Quality Requirements, Dividing Water Bodies into Five Standard Categories to Establish a Differentiated Water Use System;
- Implement Classified and Graded Collection and Treatment of Wastewater from Different Sources, Defining a Cascade Utilization Sequence for the Five Categories of Wastewater to Enhance Overall Water Resource Utilization Efficiency.



Recovery and Reuse

- Promote Modifications to Recover and Reuse Air Conditioning Condensate, Reverse Osmosis (RO) Concentrate, and Production Wastewater, Expanding the Applications for Non-Conventional Water Sources;
- Establish a reuse mechanism for treated wastewater, using the reclaimed water for vehicle washing and cleaning tasks with lower water quality requirements to reduce fresh water intake.

Process Optimization and Equipment Upgrades

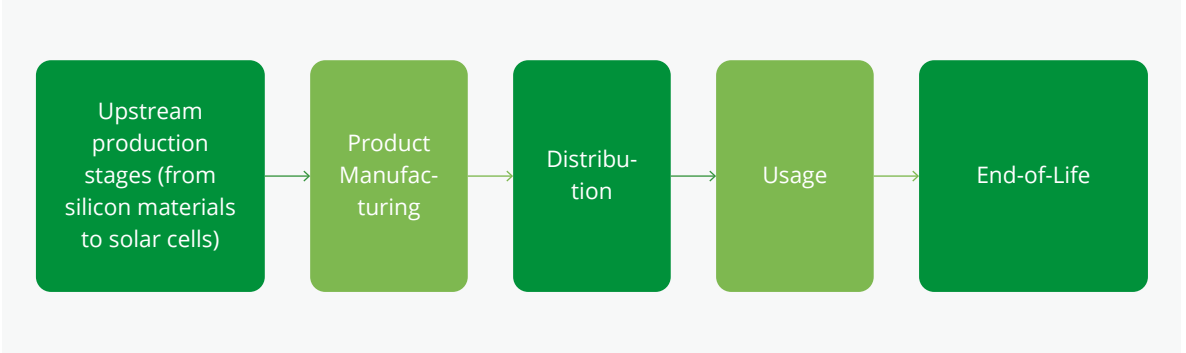
- Optimize and Upgrade Evaporative Cooling and Recycled Water Systems by Installing Chemical Dosing Systems and Online Conductivity Monitoring Devices to Improve the Stability and Reuse Rate of Recycled Water;
- Install new concentrate collection pumps and pH adjustment devices to implement a two-stage classification and graded treatment system for discharged water, increasing the reuse proportion of medium-concentration clean water.

Controlling Abnormal Water Use

- Establish a water metering and monitoring system to enable the timely detection and control of abnormal water use by quantifying the water balance and conducting regular inspections of storm and sewage outlets.

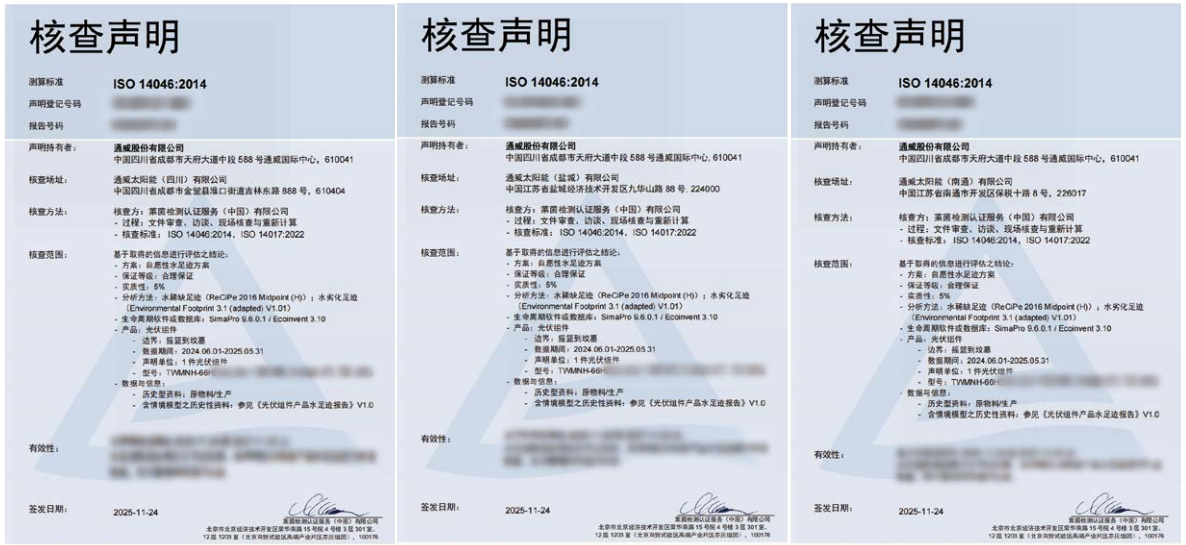
Tongwei's Water Resources Management Approach

As the first company in China's photovoltaic industry to complete a full life cycle water footprint verification for its products, Tongwei leveraged its whole-chain water resource management capabilities to conduct a 'from cradle to grave' quantitative analysis of the water footprint of its TWMNH-66HD series photovoltaic modules, in accordance with ISO 14046:*2014 Environmental management - Water footprint - Principles, requirements and guidelines*, which was also verified by a third party. This verification adhered to the ISO 14046:2014 standard, covering the entire process from raw materials, production, transportation, and use to end-of-life disposal, ensuring the completeness and reliability of the results while identifying water conservation potential and setting a benchmark for product sustainability attributes and the industry's green and low-carbon development.



Process Flow Diagram of the System Boundary for the Life Cycle of Tongwei Photovoltaic Module Products

The assessment results show that the water footprint impact of photovoltaic modules is primarily concentrated in the upstream raw material and solar cell production stages, with the manufacturing of polysilicon and solar cells contributing significantly to water consumption and pollutant emissions, making them key areas for water footprint management; in contrast, the environmental impact of module manufacturing, product use, and end-of-life recycling is relatively low. In terms of impact types, this assessment comprehensively considered both water consumption and water quality changes, covering key indicators such as the water scarcity footprint and the water degradation footprint (including eutrophication, water acidification, and freshwater ecotoxicity footprints) to provide a complete picture of the product's potential impact on the water environment. During the reporting period, Tongwei's three major module production bases in Sichuan, Yancheng, and Nantong successfully passed the full life cycle water footprint verification for the TWMNH-66HD photovoltaic module, conducted by the international authoritative body TÜV Rheinland Group in accordance with the ISO 14046:2014 international standard, and were awarded the verification statement.


核查声明

测算标准 ISO 14046:2014

声明登记号码

报告号码

声明持有者： 通威股份有限公司
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核查方法： 核查方：莱茵检测认证服务（中国）有限公司
- 过程：文件审查、访谈、现场核查与重新计算
- 核查标准：ISO 14046:2014，ISO 14017:2022

核查范围： 基于取得的信息进行评估之结论：
- 方案：自愿性水足迹方案
- 保证等级：合理保证
- 实质性：5%
- 分析方法：水稀缺足迹（ReCiPe 2016 Midpoint (H)）；水劣化足迹（Environmental Footprint 3.1 (adapted) V1.01）
- 生命周期软件或数据库：SimaPro 9.6.0.1 / Ecoinvent 3.10
- 产品：光伏组件
  - 边界：摇篮到坟墓
  - 数据期间：2024.06.01-2025.05.31
  - 声明单位：1 件光伏组件
  - 型号：TWMNH-66[redacted]
- 数据与信息：
  - 历史型资料，原物料/生产
  - 含情境模型之历史性资料：参见《光伏组件产品水足迹报告》V1.0

有效性：[redacted]

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核查方法： 核查方：莱茵检测认证服务（中国）有限公司
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Water Footprint Verification Statement for TWMNH-66HD Photovoltaic Modules

Furthermore, Tongwei continuously expands the boundaries of its water resources management, extending the concept of sustainable water management throughout its entire value chain. The Company incorporates water resources management into its supplier admission criteria and annual assessment indicators, encouraging suppliers to establish robust water management systems, set specific water conservation targets, and promote water-saving practices and technologies in an effort to advance the efficient use and sustainable management of water resources across the entire supply chain.

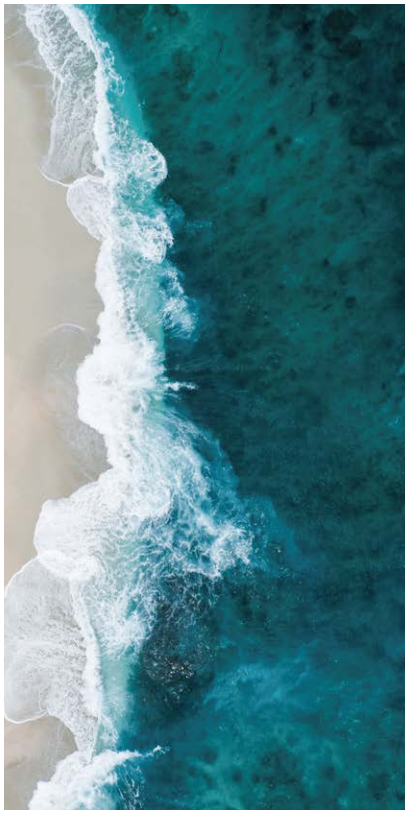
Metrics and Targets

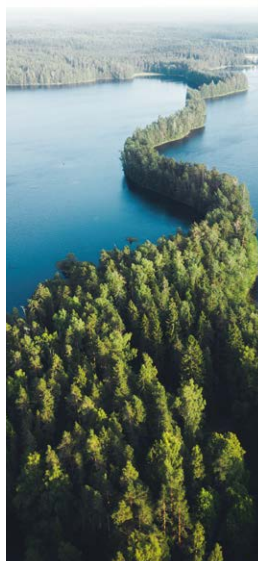
Water Resource Utilization Target

Baseline Year	Target Year	Target Details	Target Reduction Rate	Target Completion Status
2023	2024	Short-term Water Conservation Target for 2024: 4.5259 Million Tons	7.9%	Completed
2024	2025	Short-term Water Conservation Target for 2025: 3.096 Million Tons	7.1%	Completed
2025	2026	Short-term Water Conservation Target for 2026: 4.02 Million Tons	6.2%	In Progress

Water Resource Utilization Performance

Water Resource Utilization Indicator	Unit	2024	2025
Total Water Withdrawal	10,000 Tons	6,444.61	5,664.31
Water Withdrawal Intensity	Tons/RMB 1 Million of Revenue	700.55	673.30
Total Water Consumption	10,000 Tons	4,070.50	3,338.90
Water Consumption Intensity	Tons/RMB 1 Million of Revenue	442.47	396.88
Ultrapure Water Usage	10,000 Tons	1,502.3	314.06
Percentage of Alternative Water Source Usage[1]	%	2.63	5.15
Water Recycling Rate	%	98.04	98.42





[1] Alternative water sources: Water obtained from non-traditional freshwater sources, including reclaimed water, seawater, brackish water, greywater, and rainwater.

Pollution and Waste Management

The global pollution situation continues to worsen. According to the OECD's Environmental Outlook on the Triple Planetary Crisis report, pollution trends are escalating under current policy trajectories: the global nitrogen surplus is projected to increase by approximately **33%** compared to 2020. Meanwhile, with the rapid expansion of China's installed photovoltaics capacity, the issue of managing decommissioned modules has **become increasingly prominent**. The China Photovoltaic Industry Association forecasts that the country will begin generating large volumes of decommissioned photovoltaic modules in 2025, with a peak in disposals expected after 2030.

Tongwei deepens its systematic management of pollution prevention and control, strictly adhering to national and local environmental protection standard systems, and has established a comprehensive control matrix covering waste gas, wastewater, noise, and solid waste. Leveraging intelligent emissions monitoring platforms, innovations in recycling technology, and life-cycle management of packaging materials, the Company continuously strengthens precise pollutant control and actively promotes waste recycling. Throughout the year, all of the Company's emission indicators consistently met standards, reinforcing its solid foundation in environmental compliance and effectively reducing operational risks.

Waste Gas Management

Tongwei considers air pollution prevention and control a red line for compliant operations, strictly adhering to national, local, and industry regulations on waste gas emissions such as the *Atmospheric Pollution Prevention and Control Law of the People's Republic of China*, the *Integrated Emission Standard of Air Pollutants, and the Emission Standard of Pollutants for Battery Industry*, and has formulated and implemented the *Waste Gas Emission Management System* and *Wastewater and Waste Gas Emission Control Procedures*, while also conducting regular monitoring as required by its pollutant discharge permit, constructing and upgrading waste gas treatment facilities, and combining measures like physical adsorption and chemical treatment to minimize waste gas emissions from production processes. During the reporting period, monitoring data from all waste gas outlets were significantly below national and local limits, achieving zero violations in waste gas emissions for the entire year.

Tongwei's Waste Gas Management Measures

Waste Gas Categories	Industrial Waste Gas	Aquaculture/Processing Waste Gas
Waste Gas Sources	○ Process waste gas from workshops, waste gas from wastewater treatment stations, etc.	○ Odor and waste gas from feed residues, etc.
Disposal Methods	○ Equipped with exhaust purification devices that operate in sync with production, utilizing a combined process of "activated carbon adsorption/dry filtration + zeolite rotor electrocatalytic combustion", and supported by end-of-pipe treatment facilities such as spray towers to provide comprehensive purification for production waste gas. ○ Strictly treats emissions to meet government standards before discharge and maintains monitoring records; regularly inspects waste gas treatment facilities to conduct maintenance and equipment upgrades.	○ Constructs and upgrades supporting waste gas treatment facilities. ○ Installs sealed covers on facilities such as collection tanks and biochemical tanks at wastewater stations to prevent the diffusion of waste gas. ○ Commissions professional agencies to conduct quarterly odor testing for waste gas, monitoring the concentration of odors and particulate matter from both organized and fugitive emissions at the plant boundary.
Emissions Monitoring	○ VOC online monitoring equipment is installed to analyze exhaust gas emissions data in real-time, enabling dynamic early warnings and rapid responses to continuously reduce the environmental impact of pollutants. ○ Authoritative third-party organizations are commissioned to conduct regular monitoring of exhaust gas and issue professional monitoring reports, ensuring that emissions data is traceable and compliant.	

Tongwei Exhaust Gas Pollutant Emission Reduction

Indicator	Unit	2025
Nitrogen Oxides		
Total Emissions	Ton	927.58
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0110
Sulfur Dioxide		
Total Emissions	Ton	611.85
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0072
Ammonia		
Total Emissions	Ton	170.29
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0020
VOCs		
Total Emissions	Ton	122.55
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0015
Soot and Dust		
Total Emissions	Ton	80.35
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0010
Hydrogen Chloride		
Total Emissions	Ton	59.63
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0007
Fluorides		
Total Emissions	Ton	10.56
Emission Intensity	Ton/RMB 1 Million of Revenue	0.0001

Wastewater Management

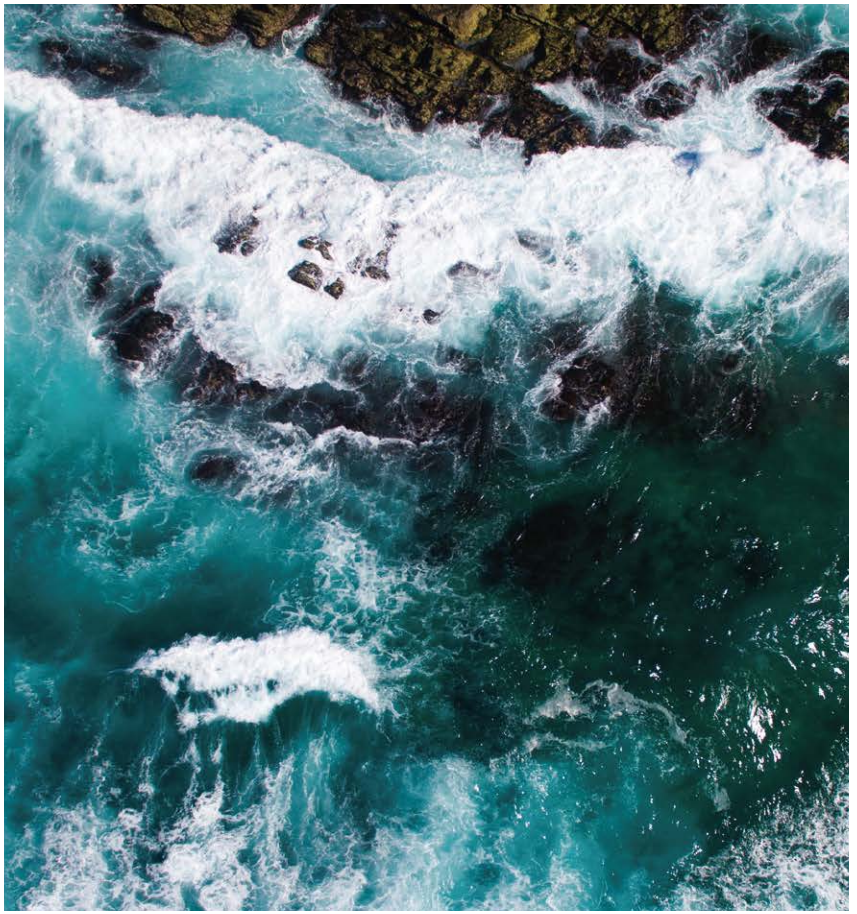
Tongwei strictly complies with laws, regulations, and emissions standards such as the *Water Pollution Prevention and Control Law of the People's Republic of China*, the *Integrated Wastewater Discharge Standard*, the *Standard for Water Quality of Wastewater Discharged into Urban Sewers*, the *Emission Standard of Pollutants for Battery Industry* (GB 30484-2013), and the *Discharge Standard of Water Pollutants for Electronic Industry* (GB 39731-2020). Its various subsidiaries and production bases implement internal management systems, including the *Wastewater and Exhaust Gas Emission Control Procedures*, and improve the quality of wastewater prior to discharge through methods such as professional third-party treatment and septic tank sedimentation. In accordance with the requirements of environmental protection departments, the Company has established online wastewater monitoring systems and equipment to enable real-time monitoring of water quality and ensure compliant wastewater discharge.

Tongwei Wastewater Management Measures

Wastewater Categories	Industrial Wastewater	Domestic Sewage	Aquaculture/Processing Wastewater
Wastewater Sources	○ Wastewater from workshop processes such as equipment cleaning	○ Wastewater from the company's office premises, employee canteens, etc.	○ Wastewater from aquaculture, feed processing, etc.
Disposal Methods	○ The Company has constructed supporting production wastewater treatment facilities (using one-, two-, or three-stage coagulation and sedimentation processes) and domestic wastewater treatment facilities (using integrated treatment facilities), and regularly inspects and cleans the equipment. ○ Industrial wastewater operations are entrusted to qualified third-party professional organizations. The wastewater is treated to meet stringent standards before being discharged into the municipal pipe network, and complete discharge records are maintained. ○ Domestic sewage undergoes pre-treatment through sedimentation and fermentation in septic tanks before compliant discharge. ○ The Company carries out the resource utilization of concentrated fluoride wastewater and slicing wastewater.		○ An anaerobic-anoxic-oxic (AAO) biological nitrogen and phosphorus removal process is used, and the treated effluent is reused in environmental exhaust gas spray towers to conserve water resources. ○ In accordance with environmental impact assessment requirements, the concentration indicators at the domestic sewage discharge outlet and the clear water pool outlet of the wastewater station at the plant boundary are regularly monitored.
Discharge Monitoring	○ All subsidiaries and production bases have established domestic sewage stations, wastewater treatment stations, and wastewater monitoring laboratories, conducting wastewater quality monitoring biannually. ○ The Company commissions professional environmental monitoring units to regularly test wastewater pollution factors, with monitoring data uploaded in real time to the government's environmental protection monitoring platform. ○ A monitoring plan is formulated based on the discharge permit. The Company commissions third parties to regularly inspect and maintain online monitoring equipment and clean key facilities such as the main discharge outlet, pH meter probes, and water pumps.		

Tongwei Solar's Pengshan Base Installs a Crystallization Bed System to Recover and Utilize Concentrated Fluoride Wastewater

In 2025, Tongwei Solar's Pengshan base implemented a technological transformation project for the advanced treatment and resource recovery of fluoride-containing wastewater. This project involves adding a crystallization bed system downstream of the concentrated fluoride wastewater collection tank and upstream of the fluoride-containing wastewater regulation tank to recover and utilize fluoride resources. Upon completion, the annual consumption of calcium hydroxide, polyacrylamide (PAM), and advanced defluoridation agents is expected to decrease by 1,250 tons, 11 tons, and 650 tons, respectively. The generation of calcium fluoride sludge will be reduced by 13 tons per day, achieving the dual benefits of pollutant reduction and resource recovery.



Tongwei's Wastewater Pollutant Reduction

Indicator	Unit	2025
Wastewater Pollutants	Ton	7,464.23
Chloride	Ton	1,884.09
Total Nitrogen	Ton	409.18
Ammonia Nitrogen	Ton	285.40
Fluoride	Ton	106.21
Total Phosphorus	Ton	20.95

Waste Management

Tongwei, along with its subsidiaries and production bases, strictly complies with laws, regulations, and national standards such as the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste* and the *Standard for Pollution Control on Hazardous Waste Storage* (GB 18597-2023), and has formulated documents including the *Solid Waste Management System and the Hazardous Waste Disposal Management System*. The Company implements classification, collection, and storage management for non-hazardous waste, while hazardous waste is centrally stored in the plant's hazardous waste warehouse and regularly handed over to qualified professional units for compliant disposal. We conduct waste audits to identify room for waste reduction and explore potential for minimization. At the same time, the Company actively explores resource utilization pathways for non-hazardous waste with high economic value to minimize the impact of waste on the surrounding environment and continuously promote the development of a circular economy.

Tongwei Waste Management Measures

Waste Categories	Non-hazardous Waste	Hazardous Waste
Waste Sources	○ General industrial waste, domestic waste, construction waste, obsolete electronic equipment, etc.	○ Waste activated carbon, waste batteries, waste oil, waste packaging containers, etc.
Disposal Methods	○ We strictly implement the solid waste classification management system, adhering to both "harmless disposal" and "resource utilization", and continuously explore circular utilization pathways for waste. ○ General industrial solid waste from production is pre-classified and then entrusted to professional organizations for compliant disposal. The quantity of waste disposed of (non-landfilled quantity) is verified by third-party professional organizations. ○ Solid waste with high economic value, such as waste cardboard boxes and waste wood, is transferred to the Company's internal scrap warehouse for recycling by scrap dealers. ○ We clean and reuse filter screens, which is estimated to reduce the annual generation of waste filter screens by 50%. ○ Employees' domestic waste, kitchen waste, and grease trap oil are collected and transported separately, and are uniformly cleared and disposed of by sanitation departments and qualified professional units, respectively.	○ Hazardous waste types are accurately identified in accordance with the *National Hazardous Waste Directory* and project environmental impact assessment requirements, and are packaged separately in different colored bags. ○ Hazardous waste warehouses are set up in accordance with the *Standard for Pollution Control on the Storage of Hazardous Waste*, implementing control requirements such as anti-seepage and zoning, and applying visual management. ○ A hazardous waste ledger and QR code labeling system have been established and connected to the Sichuan Provincial Solid Waste Internet of Things (IoT) Platform, enabling full traceability of hazardous waste from inbound to storage and outbound. ○ We strictly implement regulations such as the *Administrative Measures for the Hazardous Waste Transfer Manifest* and file hazardous waste transfer plans on schedule. During transfers, we ensure that packaging is completely sealed, operators wear standard personal protective equipment, and transport and disposal are entrusted to professionally qualified entities. ○ Silicon sludge, fluoride sludge, and biochemical sludge are sent to qualified third-party entities for resource recovery, ensuring that hazardous waste is traceable throughout the entire process and managed in a compliant, closed-loop system. ○ When the amount of stored hazardous waste reaches 80% of warehouse capacity, we contact a hazardous waste disposal unit to arrange for off-site treatment, thereby avoiding potential risks associated with excessive storage.
Supervision and Management	○ The environmental, health, and safety (EHS) departments at each production base are responsible for establishing and maintaining hazardous waste management ledgers and supervising compliance with disposal procedures across all workshops and departments. ○ The administrative or factory affairs departments at each production base are responsible for supervising and verifying the types and quantities of hazardous waste leaving the facility.	

Additionally, the Company regularly conducts specialized training on hazardous waste management and organizes emergency response drills for hazardous waste spills to strengthen employees' compliant operational skills and emergency response capabilities.

During the reporting period, the Company

Total waste generated

637,621.69 tons

Non-hazardous waste generated

635,144.99 tons

Hazardous waste generated

2,476.70 tons

Representing a year-on-year decrease of

25.65 %

Tongwei Solar (Hefei) Co., Ltd. and Tongwei Solar (Pengshan) Co., Ltd. have been awarded the **"Zero-Waste Factory"** designation, and Tongwei Solar (Meishan) Co., Ltd. has received the **"Zero-Waste Enterprise"** designation.

Tongwei's Waste Emissions

Indicator	Unit	2025
Waste		
Total Emissions	Ton	637,621.69
Emission Intensity	Ton/RMB 1 Million of Revenue	7.58
Non-hazardous Waste Emissions		
Total Emissions	Ton	635,144.99
Emission Intensity	Ton/RMB 1 Million of Revenue	7.55
Hazardous Waste Emissions		
Total Emissions	Ton	2,476.70
Emission Intensity	Ton/RMB 1 Million of Revenue	0.03

Packaging Material Management

Tongwei adheres to the *Notice of the General Office of the State Council on Addressing Excessive Product Packaging* and other relevant regulations and requirements, deeply integrating green and low-carbon concepts into the entire product lifecycle. We systematically plan all stages, from design and production to packaging and transportation, to continuously enhance the recyclability and recycling rate of packaging materials. The Company has established a comprehensive statistical and management mechanism for packaging materials, using data to drive the implementation of reduction and greening initiatives and promote continuous improvements in resource utilization efficiency.

During the reporting period,

Packaging materials used

1,349,100 tons

Tongwei's Measures for Lightweighting, Reduction, and Circularity of Packaging

Packaging Design Optimization

- We expanded battery cell packaging specifications to reduce packaging material consumption at the design source.
- The use of "low basis weight, high strength" corrugated cardboard achieves the dual benefits of material reduction and enhanced recyclability.

Packaging Material Substitution

- We promote the use of steel pallets as a substitute for wooden pallets, reducing wood waste and resource consumption at the source.
- The application of lightweight, high-strength plastic film to replace traditional heavier packaging materials achieves synergistic benefits in packaging weight reduction and cost reduction.

Use of Recycled Packaging

- A warehouse for recycled packaging materials has been established to sort, recycle, and standardize the reuse of packaging materials such as hollow boxes, finished product boxes, and wooden pallets for battery cell products.
- The packaging for certain raw and auxiliary materials has been upgraded from cardboard boxes to recyclable coaming boxes, facilitating both material reduction and circular use.
- We conduct recycling and reuse programs for cutting fluid barrels, plastic freight crates, and silicon wafer packaging materials.

Noise Management

Tongwei strictly complies with the *Law of the People's Republic of China on the Prevention and Control of Noise Pollution*, the *Technical Specification for Application and Issuance of Pollutant Permit - Industrial Noise* (HJ 1301-2023), and other regulations and industry standards to systematically advance noise pollution prevention and control. Each of our subsidiaries and production bases has formulated noise management systems based on national and local requirements and their specific operational realities, and they regularly commission third-party organizations to conduct quarterly noise monitoring at the factory boundary. The Company prioritizes the use of low-noise equipment, establishes independent soundproof rooms for major noise sources, installs sound-absorbing materials, implements vibration-damping measures for foundations, and deploys sound barriers in key areas to ensure stable compliance with factory boundary noise standards. During the reporting period, the Company did not receive any reports or complaints related to noise pollution.

Ecosystem and Biodiversity Conservation

Biodiversity loss has become one of the top three global environmental crises, threatening human well-being and natural sustainable development. In 2025, the 16th Conference of the Parties (COP16) to the *Convention on Biological Diversity* was held, committing to mobilize at least **US$200 billion** annually from all sources (public and private, domestic and international) by 2030 to protect biodiversity and bridge the funding gap. In October 2025, the Kunming Biodiversity Fund approved its first **22** large-scale projects, supporting **34** countries in implementing global biodiversity commitments. However, the fourth edition of the IUCN World Heritage Outlook notes that approximately **43%** of natural World Heritage sites are highly threatened by climate change, and only **57%** have a positive conservation outlook, indicating that biodiversity protection efforts still need to be strengthened.

Tongwei has a deep understanding of the contemporary imperative for harmonious coexistence between humanity and nature, and integrates ecological protection concepts deeply into its corporate strategy and operational practices. The Company strictly complies with domestic and international laws and policies such as the *Convention on Biological Diversity*, the *Kunming Declaration,* and the *Implementation Plan for Major Projects for Biodiversity Conservation in China (2025–2030).* We have formulated and implemented the *Biodiversity Conservation Commitment and Policy* and the *Forest Protection Commitment and Policy*. Based on the LEAP (Locate, Evaluate, Assess, Prepare) model, we identify and assess nature-related dependencies, impacts, risks, and opportunities in our own operations and value chain. We integrate biodiversity considerations into the entire process of production, operation, and supply chain management, continuously exploring a path of symbiosis between industrial development and nature conservation.

Governance

Building on its existing sustainability governance structure, Tongwei continues to deepen its three-tiered governance system for biodiversity protection, comprising a decision-making level, a management level, and an execution level. The Strategic Sustainable Development Committee at the Board of Directors level serves as the highest decision-making body for biodiversity conservation. It is responsible for the overall coordination, guidance, decision-making, and supervision of matters related to the Company's biodiversity and forest protection policies, target setting, strategic planning, and system operation. The Company includes biodiversity protection as a key environmental performance indicator in its performance appraisals, ensuring the effective fulfillment of its conservation commitments through the systematic decomposition of targets and reinforcement of responsibilities.

Strategy

Tongwei references the LEAP model recommended by the Taskforce on Nature-related Financial Disclosures (TNFD) to identify and assess biodiversity dependencies, impacts, risks, and opportunities across its 90 operational sites and its upstream and downstream value chain, providing informational support for the Company's development of biodiversity strategies and management efforts.

Tongwei's Identification and Assessment of Nature-related Dependencies, Impacts, Risks, and Opportunities Based on the LEAP Model

Locate L

Leveraging biodiversity assessment databases, the Company identifies the distance and overlap between its operational sites and ecologically sensitive areas. Combined with an assessment of impact probability, this process helps screen for operational sites that require priority attention.

Assess A

Based on the evaluation results of dependency and impact factors, the Company analyzes the effects and transmission pathways of nature-related risks and opportunities on its production, operations, strategic planning, and financial condition.

Evaluate E

Using databases for preliminary screening of nature-related dependencies and impacts, the Company conducts internal research to identify and assess the degree of dependency and impact at each stage of the value chain.

Prepare P

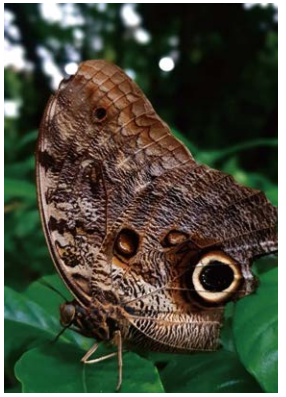
Based on the results of the above analysis, the Company adjusts its sustainable development strategy and formulates corresponding objectives, performance management plans, and resource allocation plans. It also enhances its biodiversity performance indicators and tracking mechanisms, and publicly discloses its progress and achievements in biodiversity conservation to all stakeholders.

Locate: Identifying Operational Sites with Ecological Sensitivity

Tongwei uses the Integrated Biodiversity Assessment Tool (IBAT)[1] to identify ecologically sensitive areas within a 50-kilometer radius of its operational sites, including nature reserves, water resource protection areas, wetlands, wildlife sanctuaries, species protection areas, bird habitats, marine protected areas, national parks, and indigenous reserves. Following a systematic assessment, the Company has included 82 operational sites with ecological sensitivity in a priority management list and will subsequently conduct targeted impact monitoring and risk control to ensure that operational activities and ecological protection advance in concert.

IBAT Identification Results for Biodiversity-Sensitive Sites

Total Number of Proprietary Operational Sites Analyzed	Number of Operational Sites within 10 km of Sensitive Habitats such as Protected Areas and National Parks	Number of Operational Sites where the Weighted Number of Threatened Species within 50 km is Greater than 10
90	42	0



Evaluate: Identifying Nature-related Dependencies and Impacts

Based on its own production, operations, and the characteristics of its upstream and downstream value chain, Tongwei uses the ENCORE (Explore Natural Capital Opportunities, Risks, and Exposures)[2] tool to assess the degree of dependency and impact on nature of its photovoltaics and agriculture & animal husbandry segments. The Company creates a materiality heat map[3] to analyze the mutual influence between these factors and its business. The assessment results show that the dependency and impact materiality of the Company's value chain on nature are mostly at low to medium levels. For the PV sector, potential significant natural dependencies and impacts are mainly related to soil and water functions, climate change, and pollutant emissions. For the agriculture and animal husbandry sectors, potential significant natural dependencies and impacts are primarily related to soil and water functions and biological control.

[1] Integrated Biodiversity Assessment Tool (IBAT): Developed by the IBAT Alliance (whose members include BirdLife International, Conservation International, the International Union for Conservation of Nature, and the UN Environment Programme World Conservation Monitoring Centre), this tool integrates three major global authoritative biodiversity databases (the World Database on Protected Areas (WDPA), the World Database of Key Biodiversity Areas (WDKBA), and the IUCN Red List of Threatened Species) to assess the proximity of project sites to important protected areas for endangered species. https://www.ibat-alliance.org/.

[2] Encore (Explore Natural Capital Opportunities, Risks, and Exposures): Jointly developed by the UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC) and the Natural Capital Finance Alliance (NCFA), this is a core tool recommended by the Taskforce on Nature-related Financial Disclosures (TNFD). The tool integrates various global nature-related risk information and systematically organizes the dependencies of different production activities on ecosystem services and their impacts on nature, helping businesses identify, assess, and visualize nature-related risks.

[3] The significance of dependency or impact factors corresponding to own operations, the upstream value chain, and the downstream value chain is divided into five levels: " Very High (VH) ", "High (H) ", "Medium (M) ", "Low (L) ", and "Very Low (VL)"; the darker the color, the greater the dependency or impact of that value chain segment on the natural ecosystem. A "-" indicates that the dependency or impact factor was not included in the assessment model for that business segment.

Heat Map of Nature-related Dependencies and Impacts for the PV Sector

	Dependency/Impact Factor	Upstream Value Chain[1]	Own Operations[2]	Downstream Value Chain[3]
Dependencies	Water Resource Acquisition	M	M	L
	Global Climate Regulation	VL	VL	VL
	Regional Climate Regulation	L	L	L
	Rainfall Patterns	L	M	VH
	Air Purification	VL	VL	VL
	Soil and Sediment Retention	L	L	M
	Water Purification	M	M	M
	Runoff Regulation	M	M	M
	Flood Control	M	M	M
	Stormwater Management	M	M	M
	Noise Attenuation	VL	VL	VL
Impacts	Disturbance	M	M	M
	Waste Generation and Discharge	M	L	M
	Water Use	M	L	L
	Land Use	L	L	L
	Global Warming	H	L	M
	Emissions of Non-Greenhouse Gas Air Pollutants	H	L	L
	Discharge of Toxic Substances to Water and Soil	VH	H	M

[1] Based on the value chain of the PV sector, the analysis here selects the upstream segment closest to Tongwei's PV business, which is industrial silicon smelting.

[2] Considering the revenue proportions of each business within the PV sector, the analysis here focuses on the high-purity polysilicon and solar cell and module manufacturing businesses.

[3] Based on the value chain of the PV sector, the analysis here selects the downstream segment closest to Tongwei's PV business, which is PV system integration.

Heatmap of Nature-related Dependencies and Impacts for the Agriculture and Animal Husbandry

	Dependency/Impact Factor	Upstream Value Chain[4]	Own Operations[5]	Downstream Value Chain[6]
Dependencies	Water Resource Acquisition	M	H	H
	Global Climate Regulation	VL	VL	M
	Regional Climate Regulation	L	L	H
	Rainfall Patterns	-	L	VH
	Air Purification	VL	VL	M
	Soil and Sediment Retention	L	L	VH
	Water Purification	VH	VH	VH
	Runoff Regulation	M	H	H
	Flood Control	M	M	H
	Stormwater Management	M	M	H
	Biological Control	VL	VL	H
Impacts	Disturbances	M	M	M
	Waste Generation and Discharge	M	M	H
	Water Use	M	M	M
	Land Use	L	L	M
	Global Warming	L	L	M
	Emissions of Non-Greenhouse Gas Air Pollutants	M	L	-
	Discharge of Toxic Substances to Water and Soil	M	M	H

[4] Based on the value chain of the agriculture and animal husbandry sector, the analysis here selects the upstream segment closest to Tongwei's agriculture and animal husbandry business, which is the manufacturing of grain mill products, starch, and starch products.

[5] Considering the revenue proportions of each business within the agriculture and animal husbandry sector, the analysis here focuses on the feed processing business.

[6] Based on the value chain of the agriculture and animal husbandry sector, the analysis here selects the downstream segment closest to Tongwei's agriculture and animal husbandry business, which is aquaculture.

Assessment: Analyzing Nature-related Risks and Opportunities

We utilized the WWF Biodiversity Risk Filter[1] to analyze 90 operating sites, identifying nature-related risks and opportunities by integrating the dependency and impact factors most relevant to the Company's business.

Tongwei's Nature-related Risks and Opportunities[2]

Risk and Opportunity Types			Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Dependency and Impact Relevance
Natural Risks	Physical Risks	Water Scarcity		✓	✓	• Global water scarcity could lead to restricted water intake at production bases, causing operational disruptions and decreased capacity, which directly affects operating revenue; falling water levels will raise inland transportation costs and increase logistics expenses. • Fluctuations in the supply of upstream water-intensive segments will also erode supply chain stability, increasing procurement costs and the risk of disruption.	• Upstream • Production and Operations	• Increase operating expenses • Decrease operating revenue	• Dependency-related • Impact-related
		Water Body Condition		✓	✓	• The exacerbation of issues such as water body eutrophication, organic pollution, and residual industrial discharges may result in the Company's water intake failing to meet quality standards, requiring increased investment in pre-treatment and deep purification, thereby driving up operating costs. • Declining water quality will affect the operational efficiency of cooling water systems, increase the frequency of equipment maintenance and energy consumption, and further squeeze profit margins. • The tightening of local water environment controls may increase effluent fees and compliance costs, placing long-term pressure on the Company's return on assets.	• Production and Operations	• Increase operating expenses • Increase non-operating expenses • Decrease operating revenue	• Dependency-related

[1] WWF Biodiversity Risk Filter: An online tool developed by the World Wide Fund for Nature (WWF) that integrates authoritative global data to help companies and financial institutions identify, assess, and respond to biodiversity risks in their operations and supply chains. https://riskfilter.org/biodiversity/home.

[2] For an analysis of extreme heat (dependency), please see the "Response to Climate Change" section.

Risk and Opportunity Types			Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Dependency and Impact Relevance
Natural Risks	Physical Risks	Air Quality	○	✓	✓	• Stricter emissions standards may lead to higher environmental protection taxes and increased compliance costs. • Emergency controls during heavy pollution events could lead to temporary production suspensions or limitations, affecting the capacity utilization and delivery capabilities of both the Company and its suppliers. • The upgrading, operation, and maintenance of pollution control facilities require continuous investment, increasing operating expenses.	• Upstream • Production and Operations	• Increase operating expenses • Increase non-operating expenses • Decrease operating revenue	• Dependency-related • Impact-related
		Wildfire Disasters	○	✓	✓	• Wildfires can directly destroy production bases, warehouses, and equipment, causing fixed asset losses and even personal injury to employees; smoke and dust pollution from fires requires additional investment in cleanup and restoration costs. • It may cause upstream supplier shutdowns or traffic disruptions, leading to delays or interruptions in raw material supply, which affects production continuity and order fulfillment capabilities, thereby impacting operating revenue. • It may damage power grid infrastructure or trigger public safety power outages, causing temporary shutdowns at production bases, reducing capacity utilization, and squeezing profit margins.	• Production and Operations	• Increase operating expenses • Increase non-operating expenses • Decrease operating revenue • Decrease profit	• Dependency-related
	Transition Risks	Policies and Regulations	✓	✓	○	• Stricter nature-related policies and laws may increase the Company's compliance costs.	• Production and Operations	• Increase operating expenses • Increase non-operating expenses	• Impact-related

Risk and Opportunity Types			Short-term	Mid-term	Long-term	Description of Potential Impacts	Value Chain Impacts	Financial Impacts	Dependency and Impact Relevance
Natural Risks	Transition Risks	Market	✓	✓	✓	• As customers and downstream brand owners pay increasing attention to natural resource protection and biodiversity issues, the Company's failure to respond promptly to these changing preferences could lead to a decline in customer trust, loss of orders, and an impact on long-term market share.	• Production and Operations • Downstream	• Decrease operating revenue	• Dependency-related • Impact-related
		Reputation	✓	✓	✓	• If the Company's own operations have a significant negative impact on key ecosystems and the communities, regulators, and other stakeholders that depend on their services, it could trigger community conflicts, regulatory scrutiny, and media supervision, thereby damaging the brand image and social license to operate, and weakening market trust and long-term business value.	• Production and Operations	• Increase operating expenses • Increase non-operating expenses • Decrease operating revenue	• Impact-related
Nature Opportunities		Technology	✓	✓	✓	• Continuously developing energy- and water-saving technologies to improve resource efficiency, reduce operating costs, and lessen dependence on natural capital. • Promoting the recycling and reuse of end-of-life products to build a circular economy system can effectively reduce electronic waste.	• Production and Operations	• Decrease operating expenses	• Dependency-related • Impact-related
		Marke	✓	✓	✓	• Nature-friendly products and services are gradually gaining favor with customers and consumers, creating opportunities for the Company to explore incremental markets, cultivate new growth points, and continuously enhance its overall market competitiveness.	• Production and Operations • Downstream Value Chain	• Increase operating revenue	• Dependency-related • Impact-related
		Reputation	✓	✓	✓	• The Company undertakes biodiversity conservation initiatives to continuously shape a responsible brand image and enhance trust and support from stakeholders.	• Production and Operations	• Increase operating revenue	• Impact-related

Preparation: Strategic Adjustment and Information Disclosure

Based on the analysis of the nature-related dependencies, impacts, risks, and opportunities mentioned above, Tongwei has formulated and continuously optimizes its *Biodiversity Protection Commitment and Policy* and *Forest Protection Commitment and Policy*, which have been reviewed and approved by the Board of Directors. We collaborate with suppliers and other partners to jointly protect ecosystems and biodiversity, and disclose our performance and achievements in biodiversity protection to all stakeholders through channels such as the Sustainability Report.

Proposed the *Tongwei Co., Ltd. Biological Diversity Conservation Commitment* in 2023

In order to achieve the United Nations' Sustainable Development Goals in 2030 and the beautiful vision of harmonious coexistence between humanity and nature in 2050, Tongwei's headquarters, its subsidiaries and affiliated companies promise to conduct biodiversity risk assessments, formulate biodiversity-related goals, avoid adverse impacts on biodiversity, and jointly strengthen public awareness of biodiversity protection with various stakeholders.

Proposed the *Tongwei Co., Ltd. Forest Protection Commitment* in 2024

Tongwei commits to strictly abide by the laws and regulations on forest protection in the countries (regions) where the projects are located during the business operation process. It works to eliminate the risk of forest destruction caused by business operations, monitor and manage projects in the industrial chain that involve the risk of forest destruction, jointly carry out forest protection actions with suppliers and partners, and respect the legitimate rights of local community residents.

Tongwei's Biodiversity Protection Commitment

Impact, Risk, and Opportunity Management

Tongwei follows a four-step approach of "avoid, reduce, restore, transform" and manages the nature-related impacts, risks, and opportunities of its own operations and value chain by focusing on five strategic directions: international cooperation, elimination of biodiversity impacts, the Biodiversity Restoration Plan, value chain biodiversity management, and enhancing stakeholder awareness. The Company integrates related work into its comprehensive corporate risk management process, which covers finance, operations, strategy, and compliance, and actively applies eco-friendly raw materials and technologies. Through these practical actions, Tongwei safeguards the ecological foundation and promotes the harmonious coexistence of industrial development and nature.

01 International Cooperation

- The Company has entered into a strategic partnership with the WWF to launch the Arctic Protection and Renewable Energy Project, becoming the first Chinese private enterprise to join the WWF Arctic Protection Program, focusing on polar monitoring and species conservation.

02 Elimination of Biodiversity Impacts

- The Company takes necessary measures to eliminate its negative impacts on biodiversity, such as replacing product materials with non-hazardous alternatives and promoting the "reuse and zero-emission" of waste.

03 Biodiversity Restoration Plan

- Promote the "PV+" model in environments such as deserts and grasslands, where photovoltaic modules absorb radiation to reduce water evaporation and prevent wind erosion and sand drift.
- The Company plans to explore the "PV + Ecology" development model in ecologically fragile areas like plateaus and red soil regions to strengthen ecological defenses.
- Utilize aquatic plants and microorganisms to purify aquaculture water bodies and restore the aquatic ecological environment.
- Carry out afforestation activities at production bases.

04 Value Chain Biodiversity Management

- Strengthen biodiversity protection training and awareness through the *Supplier Code of Conduct* and supplier training.
- Incorporate biodiversity indicators into the supplier assessment system and assist suppliers in developing and implementing corrective measures.
- Prioritize the procurement of eco-friendly raw materials.
- Collaborate with suppliers to explore eco-friendly improvement solutions for key nature-risk materials, such as agricultural raw materials and packaging materials.

05 Strengthening Stakeholder Awareness

- Actively disclose biodiversity conservation concepts, progress, and achievements to stakeholders through tree planting, science popularization, and publicity campaign, continuously enhancing the understanding and consensus of both internal and external parties regarding related risks.

Tongwei's Biodiversity Conservation Highlights

Exploring the Application of Low-Carbon Steel to Enhance Product Ecological Benefits

Tongwei has taken the lead in incorporating zinc-aluminum-magnesium coated high-strength steel frames into its module procurement, driving deep decarbonization in the supply chain through material innovation to protect surrounding communities and the ecological environment. This low-carbon steel solution reduces carbon emissions by over 80% per ton compared to traditional aluminum, and improves the material's mechanical properties by 120% to 150%, making it suitable for high wind pressure and heavy snow load projects such as large-scale bases in desert and coastal areas with typhoon resistance. By adopting this low-carbon, high-performance steel solution, the Company not only achieves decarbonization of its module products but also sets a replicable green procurement paradigm, leading the photovoltaic supply chain to surpass the EU's carbon-related policies and demonstrating the ecological benefits of renewable energy being “green from the cradle”.

Metrics and Targets

Tongwei actively responds to the action targets of the Kunming-Montreal Global Biodiversity Framework, and in combination with its business characteristics and ecological risk assessments, has formulated a biodiversity improvement plan for the next five years (2025–2030) with reference to the TNFD framework, establishing phased goals and fully integrating biodiversity management into its business practices. The specific plans and goals are as follows:

Tongwei’s Biodiversity Management Work Targets

2025	2026	2027	2028	2030
Complete the biodiversity risk and impact assessment for key production bases in the photovoltaic and agricultural industry chains	Disclose biodiversity management content for the first time in accordance with TNFD recommendations, and maintain a reporting frequency of at least once a year thereafter	Propose the Company’s biodiversity protection targets for 2030 and 2050	Extend the Company’s goals and commitments to the entire value chain and launch eco-friendly co-construction projects in the supply chain	Complete the first phase of biodiversity management improvement, review the fulfillment of targets and commitments, and formulate the improvement plan for the next phase
Completed	In Progress	In Progress	In Progress	In Progress

Winning People

Tongwei upholds the management philosophy of "people-oriented", comprehensively safeguarding employee rights, career development, and health and safety, while building an equal and inclusive workplace ecosystem. The Company continuously deepens its sustainable supply chain management, working with partners to enhance responsibility and effectiveness throughout the entire chain. At the same time, Tongwei actively gives back to society and focuses on rural revitalization, creating inclusive and shared social value through industrial synergy.

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Talent Attraction and Development	193
Employee Care and Communication	199
Occupational Health & Safety	202
Social Contribution and Rural Revitalization	211

Sustainable Supply Chain Management

Tongwei's fully integrated industrial chain: a reliable and sustainable internal supply chain

Leveraging the unique advantage of its fully integrated industry chain layout, Tongwei synergizes its upstream and downstream operations to fully optimize the sustainability of its internal supply chain management.

01 Green materials (MGS)

02 High-purity polysilicon

03 Rods

04 Silicon wafer

05 Solar cells

06 PV modules

Governance

Management Systems

Tongwei is committed to building an efficient, transparent, and sustainable supply chain system. The Company's PV sector and agriculture and animal husbandry sector have successively issued special policies based on their own business characteristics, such as those for procurement management and the management of suppliers for feed ingredients and non-raw material supplies, thereby achieving standardized and systematic operation of supplier management and procurement work.

In 2025, in conjunction with the organizational structure optimization of the supply chain system of the PV Business Department, 9 supply chain management system documents were uniformly compiled and updated, including the *Tongwei Procurement Management System, Tongwei Main Procurement Business Management Measures*, and *Tongwei Supplier Management Measures*.

The publication of the *Sustainable Supply Chain Management Measures* has promoted the full integration of environmental, social, and governance (ESG) principles into the entire supply chain management process.

1 Management System	Tongwei Procurement Management System
6 Management Measures	Tongwei Main Procurement Business Management Measures Tongwei Supplier Management Measures Tongwei Mall Management Measures Tongwei Commodity Futures Hedging Management Measures Tongwei Internal Control Management Measures for Procurement Business Links Tongwei Sustainable Supply Chain Management Measures
2 Detailed Management Rules	Detailed Management Rules for On-site Supplier Inspections by the Supply Chain Center of the PV Business Department of Tongwei Detailed Management Rules for Supplier Performance Evaluation of Tongwei

Document System for the Supply Chain Regulations of the PV Business Department of Tongwei

Honors and Awards

In recognition of its systematic practices and outstanding achievements in sustainable supply chain development.

2025.09

Tongwei received two major honors from China Times: the special award for "Supply Chain Responsibility Case" and the "Top Ten Cases" award.

China Times Award Ceremony

2025.12

Tongwei received the "Impact Case of Sustainable Supply Chain for Chinese Enterprises in 2025" certificate, jointly awarded by People's Daily Overseas Online and the All-China Environment Federation.

Impact Case of Sustainable Supply Chain for Chinese Enterprises in 2025

Management Structure

To effectively implement its sustainable supply chain strategy, Tongwei has enhanced professional specialization and collaborative capabilities within its existing supply chain management framework. As the Company's highest governance body, the Board of Directors ensures that the supply chain ESG strategy is highly aligned with the Company's sustainable development goals through regular supervision of supply chain ESG work. In 2025, the Company's agriculture and animal husbandry sector promoted specialized functional division and optimized procurement authority, improving overall work efficiency and market responsiveness. Concurrently, the photovoltaic manufacturing segment integrated its original polysilicon, cell, and module procurement and supply chain management departments to form a unified Global Supply Chain Center. It also established a dedicated Supply Chain Sustainability Group to lead supplier ESG audits, risk assessments, and capacity building, ensuring that sustainability principles are deeply integrated into procurement strategies, supplier management, and daily operations, thereby forming a systematic operational capability of "professional management + deep collaboration".

We incorporate suppliers' ESG performance during onboarding, upgrades, audits, and contract fulfillment into the supplier performance evaluation system; simultaneously, we include supplier ESG audits and the establishment and improvement of the sustainable supply chain system into the performance assessments of relevant supply chain departments and individuals to promote compliant operations and continuous improvement throughout the sustainable supply chain process.

Strategy

Sustainable Supply Chain Strategy	Sustainable Supply Chain Principles	Sustainable Supply Chain Policy
Guided by the core philosophy of "balancing commercial value with social responsibility", the Company adheres to the principle of long-term cooperation and mutual growth with suppliers to build a green, sustainable, and digital supply chain system, creating a collaborative and win-win supply chain ecosystem.	The sustainable supply chain centers on the synergy of "Environment, Social, Economy, and Governance", focusing on six key principles.	Compliance and integrity, upholding the bottom line of cooperation; fair competition, maintaining an open and orderly market environment; information sharing, balancing transparency and confidentiality; joint promotion of integrity, fostering a clean collaborative ecosystem; quality first, consolidating the foundation for development; and green innovation, jointly advancing sustainable upgrading.

Six Principles for a Sustainable Supply Chain of Tongwei

01 Environmental Responsibility

Prioritizing green and compliant suppliers, systematically managing the carbon footprint throughout the procurement lifecycle, promoting resource recycling, and continuously reducing overall environmental impacts.

02 Social Responsibility

Protecting the labor rights and interests of supplier employees, opposing all forms of discrimination and forced labor, prioritizing cooperation with socially responsible partners, and resolutely preventing social risks.

03 Economic Sustainability

Pursuing optimal total cost over the entire lifecycle, developing long-term stable cooperation with suppliers, and enhancing supply chain resilience and risk-resistance capabilities.

04 Compliance and Governance

Strictly complying with laws, regulations, and business ethics, implementing standardized, transparent, and traceable procurement processes, and establishing a supplier blacklist mechanism to address violations.

05 Supplier Collaboration

Implementing tiered and categorized supplier management, focusing on empowering small and medium-sized suppliers to improve their ESG performance, and enhancing the overall sustainability of the Company's supply chain.

06 Transparent Disclosure

Regularly disclosing sustainable supply chain performance to the public, proactively accepting supervision from stakeholders, and continuously enhancing the Company's credibility.

Tongwei Launches the “Global Sustainable Partnership Program” to Lead Sustainable Development in the Photovoltaic Industry

In May 2025, during the Intersolar Europe 2025 exhibition in Munich, Germany, Tongwei officially launched its “Tongwei Global Sustainable Partnership Program” to the world. Guided by Tongwei's “Together to Win” sustainability strategy, the program focuses on three core pillars—"co-construction, co-governance, and sharing” to establish deep cooperation with global partners, industry peers, research institutions, governmental organizations, and non-governmental organizations to jointly create a more resilient and sustainable green industrial ecosystem.

Through the “Global Sustainable Partnership Program”, Tongwei will:

Build Together

We will work with supply chain partners, third-party certification bodies, and others to build long-term, mutually trusting partnerships. This involves deeply integrating sustainability concepts into strategic decision-making and operational management, pursuing business value while systematically advancing sustainable development goals such as climate change response, ecosystem and biodiversity protection, labor rights protection, business ethics, and corporate compliance management, thereby achieving an organic unity of economic, environmental, and social benefits.

Govern Together

We will collaborate with peer companies, industry associations, financial institutions, and others to participate in sustainability governance innovation and elevate sustainability standards. On one hand, we will actively conduct research on industry compliance standards to promote their unification and mutual recognition, reducing the economic and time costs of compliance for enterprises. On the other hand, we will jointly develop innovative green finance products, driven by both standardization and financial support, to enhance the efficiency and economic viability of sustainability implementation for businesses.

Share Together

We will build diverse communication mechanisms for stakeholders and society at large, including regularly publishing sustainability reports, hosting industry summits, and conducting empowerment training to create a knowledge-sharing platform. Through visual presentation and accessible interpretation, we will transform industry-leading technical solutions into action guides that are understandable, participatory, and beneficial for the public, achieving deep integration and sharing of sustainability value.

The Launch Ceremony

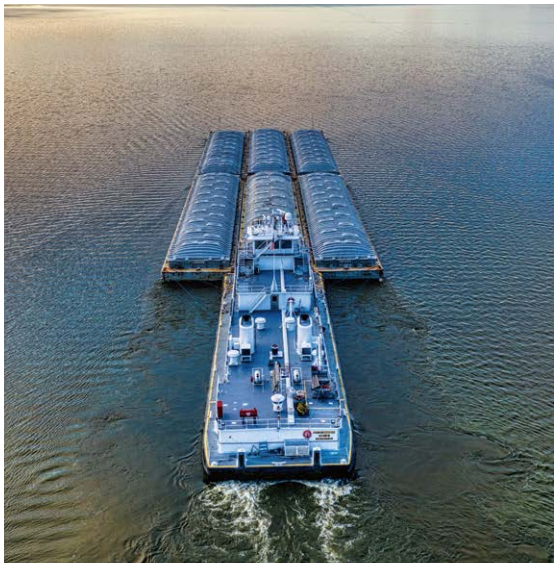
Supplier Sustainable Development Management Strategy

With reference to laws and regulations such as the *Environmental Protection Law of the People's Republic of China*, the *Labor Law of the People's Republic of China*, and the *Social Insurance Law of the People's Republic of China*, and in accordance with international conventions including the Responsible Business Alliance (RBA) Code of Conduct, the fundamental conventions of the International Labour Organization (ILO), and the Universal Declaration of Human Rights, Tongwei has formulated and continuously improves the *Tongwei Supplier Code of Conduct*, which clarifies the responsibilities and obligations of suppliers in sustainable development.

Additionally, we require new suppliers to sign sustainability-related commitment letters such as the *Supplier Guidelines*, *Social Responsibility Commitment Letter*, and *Supplier Conflict Minerals Commitment and Declaration*. We conduct annual on-site audits of qualified suppliers, use a performance matrix model to quantify suppliers' ESG risks, and collaborate with six major functions, including legal and procurement, to form a closed-loop governance system, thereby achieving resilient and compliant supply chain management.

Supply Chain Climate Change Response Strategy

Tongwei integrates climate change response into its supply chain management. Through initiatives such as green procurement of raw materials, promoting low-carbon production among suppliers, greening logistics and packaging, product carbon footprint certification, and value chain carbon inventories, the Company systematically advances the green transformation of its supply chain and leads the low-carbon transition of the industry. In 2025, Tongwei launched a pilot program with module frame suppliers, deeply coordinating with upstream and downstream partners in the industrial chain to fully integrate low-carbon environmental standards throughout the procurement process, setting a new benchmark for sustainable development as a pioneer.



Exploration of Carbon Reduction Practices for Module Frame Suppliers of Tongwei

01 Supplier Carbon Emission Assessment

Tongwei has comprehensively investigated ESG information, including the carbon footprints of its module frame suppliers. The Company has established a robust ledger of basic ESG information, such as carbon emissions, and continues to encourage suppliers to obtain relevant certifications, laying a solid data foundation for precise management of supply chain carbon emissions.

As of the end of the reporting period, the Company has completed **20%** of the evidence collection work for relevant suppliers.

02 Application of Low-carbon Materials

While ensuring compliance with relevant standards and product performance requirements, the Company actively procures low-carbon raw materials such as recycled aluminum frames. At the same time, it promotes the introduction and application of new materials like composite and steel frames, continuously increasing the scale and proportion of low-carbon raw materials such as recycled aluminum, green aluminum, and new materials. This effort shifts green procurement from being an "option" to a "preference", constantly enhancing the low-carbon benefits of raw material procurement.

As of the end of the reporting period, the procurement share of low-carbon certified suppliers at the East China module base reached **62%**, reducing Scope 3 carbon emissions by **41,127.30 tons of CO_2 equivalent**, demonstrating the significant carbon reduction benefits of green material selection.

03 Promotion of Circular Packaging

The Tongwei Solar Technology Jintang Base took the lead in launching a frame pallet recycling program. The Company continues to promote the replacement of wooden pallets with iron ones, significantly reducing wood consumption. At the same time, we are strengthening the low-carbon recycling and efficient utilization of iron pallets, achieving carbon emission reductions in the packaging process.

Throughout the year, the Tongwei Solar Technology Jintang Base recycled **38,918 pallets**, generating revenue of **RMB 1.17 million** and making green packaging both "low-carbon" and "value-adding".

04 Localized Procurement

The Tongwei Solar Technology Jintang Base actively implements a localized supplier procurement strategy. By supporting local production expansion, it explores and continuously optimizes a new green procurement model that integrates cost reduction, efficiency improvement, and carbon reduction.

The localized procurement rate for aluminum frames at the Tongwei Solar Technology Jintang Base reached **66%**, reducing Scope 3 carbon emissions by **4,704.51 tons of CO_2 equivalent**.

Impact, Risk, and Opportunity Management

Tongwei has established a full lifecycle ESG risk management system covering supplier onboarding, partnership evaluation, and exit. Both the new supplier onboarding and the annual audit of qualified suppliers include an ESG audit mechanism that covers key issues such as environmental management, labor rights, and business ethics. Suppliers who trigger zero-tolerance clauses are subject to a one-vote veto, prohibiting their entry or delaying cooperation until corrective actions are assessed and approved.

Supplier Screening

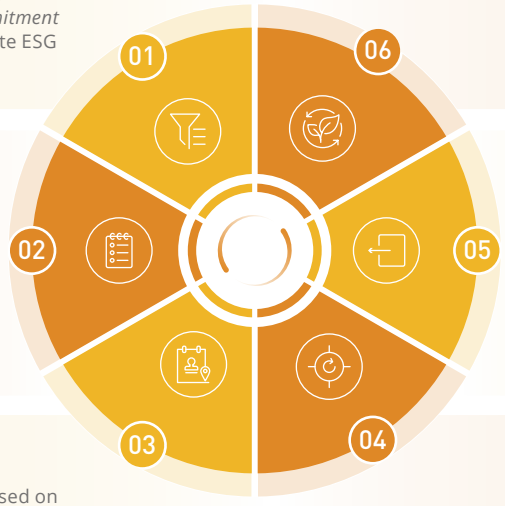
- When screening suppliers, a comprehensive assessment is made of the candidate's business relevance, together with a cautious evaluation of potential risks associated with their country, industry, and main products.
- New suppliers must complete an ESG self-assessment questionnaire, submit ESG qualification documents such as ISO 14001 and ISO 45001 certifications, sign documents including the *Supplier Guidelines*, *Social Responsibility Commitment Letter*, and *Supplier Conflict Minerals Commitment and Declaration*, and undergo compliance due diligence and an on-site ESG inspection. Non-compliant candidates will be directly disqualified.

Supplier Exit

- If a supplier commits an ESG "zero-tolerance" violation during the partnership or if a major unexpected ESG incident occurs that has a substantial negative impact on Tongwei's business continuity or brand reputation, we will take measures such as downgrading the supplier or placing it on the supplier blacklist, based on the investigation results and the severity of the incident.

Supplier Classification

- Suppliers are categorized based on the criticality of their materials to final product quality, with classification levels determined by material type.



Continuous ESG Capability Empowerment for Suppliers

- Based on the current status of suppliers' ESG management and their actual capability gaps, the sustainable supply chain management team implements targeted improvement plans, including organizing specialized ESG training, on-site coaching, and best practice exchanges for suppliers, with a focus on enhancing capabilities in environmental protection, safety, labor rights, and compliance management.

Supplier ESG Audit

- A "Supplier Scorecard" is used to evaluate supplier performance. Based on the supplier type, monthly, quarterly, or annual evaluations are conducted, covering dimensions such as ESG, quality, baseline requirements, and technical capabilities.
- Regular on-site ESG inspections are conducted for suppliers according to the *Annual Qualified Supplier Audit Plan* and the *Monthly Supplier Audit Plan*, with scores given using the "Supplier Scorecard".
- Suppliers with excellent ESG performance will have their supplier rating upgraded, be given procurement priority, and receive recognition or incentives.

Rectification Tracking and Feedback

- For non-conformities identified during audits, rectification requests are issued to suppliers and their progress is continuously tracked.

Supplier Lifecycle ESG Risk Management

Environmental violations

Failure to obtain statutory environmental permits, non-compliant approvals, or illegal discharge of pollutants.

Major safety risks

Presence of occupational health and safety hazards that could cause serious injury or death, or failure to complete statutory compliance procedures such as occupational health assessments, safety evaluations, and fire permit procedures.

Labor rights violations

Employment of child labor, forced labor, or discrimination, or failure to legally guarantee minimum wages and social insurance.

Conflict minerals

Procuring or using minerals such as tin, tantalum, tungsten, and gold (3TG) from conflict-affected regions.

Unauthorized subcontracting

Subcontracting key work related to quality or safety without authorization.

Commercial corruption

Providing improper benefits to customers or public officials.

Lack of integrity

Use of fraudulent documents, or inclusion on government blacklists for dishonesty or major violations.

Risk Assessment Tools

Digital Supply Chain Management Platform

Tongwei has developed an "intelligent risk control assistant" that deeply integrates external multi-dimensional data (including business operations, legal matters, affiliated relationships, and blacklists) from third-party tools like Qixinbao with our internal SRM system. Through a risk model, the system automatically generates supplier risk ratings, enabling risk monitoring, dynamic assessment, and intelligent early warning throughout the entire supplier lifecycle.

Supplier On-site Inspections

During both new supplier admission and annual reviews of qualified suppliers, an audit team composed of relevant personnel from the Global Supply Chain Center, the Quality Department, the Process Department, and the Process Integration Department is formed to conduct on-site inspections. These inspections focus on evaluating supplier stability, product quality, ESG performance, and compliance risks, and result in a formal audit conclusion.

Supplier ESG Qualification Review

New suppliers are required to complete an ESG self-assessment questionnaire and submit relevant ESG qualification documents, including ISO 14001 Environmental Management System and ISO 45001 Occupational Health and Safety Management System certifications.

Supplier ESG On-site

The Company's ESG audit team conducts on-site audits and implements annual and monthly supplier ESG audit plans through interviews, document reviews, and on-site inspections, so as to systematically assess the authenticity and effectiveness of suppliers' environmental, social, and governance practices.

Supplier ESG Performance Declaration

Suppliers are required to submit the *Supplier ESG Performance Information Collection Form* annually, which includes details on ESG goal setting and achievement, environmental emissions data, resource consumption statistics, employee turnover rates, occupational health and safety records, and compliance operations.

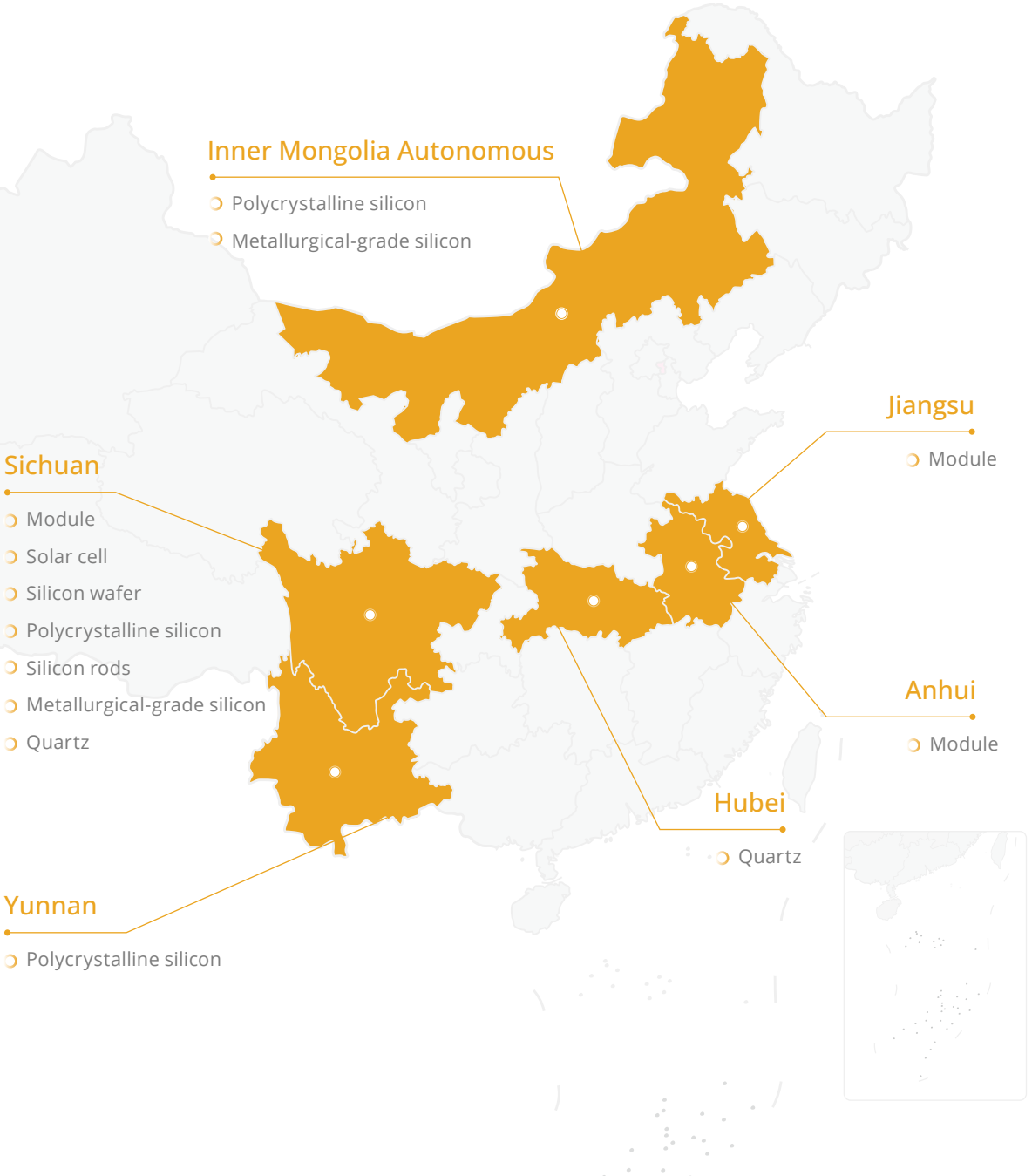
In 2025, Tongwei received a statement of assessment for its supply chain due diligence system from TÜV SÜD.

Supply Chain Traceability Management

In 2025, Tongwei continued to deepen the development of its traceability management system and improve its traceability management workflow, officially releasing the *Tongwei Traceability Management Measures* and various product-specific traceability management systems, while simultaneously updating the *Traceability Work Handbook*. This has enabled vertical integration throughout the upstream and downstream management chain and horizontal standardization of traceability standards and execution requirements across the entire chain, establishing a standardized and regulated traceability management system. Concurrently, leveraging the Company's information 4.0 system, we continue to optimize the functions of our traceability information system, enhancing the integrated and efficient collaboration of our traceability work and providing solid support for its effective implementation.

In 2025, the Company continued to strengthen its internal supply chain traceability system. Following the successful commencement of operations at two industrial silicon bases in Sichuan and Inner Mongolia, we further extended the existing internally integrated supply chain from modules and silicon materials upstream to the industrial silicon segment, achieving internal supply across the entire chain from modules to industrial silicon, and leveraging the advantages of this fully integrated chain, our current traceability system can simultaneously meet the dual requirements of domestic and international customers for product traceability and carbon footprint management.

Currently, the Company's full-process photovoltaic traceability system has been audited and certified by internationally recognized third-party authorities such as STS Senergy Technical Services and TÜV Rheinland, and its supply chain traceability capabilities have gained widespread industry recognition.



Supply Chain Security Management

To ensure a stable, reliable, and sustainable supply chain, the Company implements proactive risk prevention, in-process control, and post-event optimization through in-depth analysis of macroeconomic markets and industrial policies, collaboration with core suppliers, regional supply chain layouts, and comprehensive application of digital risk control systems, continuously enhancing the overall resilience of the supply chain.

Deepen Market Analysis to Fortify Risk Defenses

Through in-depth analysis and market assessment of macroeconomic trends, bulk commodities, and the photovoltaic industry chain, Tongwei continuously optimizes its procurement strategies, mitigates supply chain risks, and enhances supply chain resilience. In response to policy changes in the global photovoltaic industry, the Company proactively conducts risk assessments and analyses regarding the impact of policies such as trade frictions and carbon tariffs and actively formulates countermeasures to promote the supply chain's transition toward full lifecycle traceability and decarbonization. By transforming its bulk commodity pricing model, placing orders at lower prices, and establishing an integrated linkage mechanism with the sales team, the Company explores raw material cost-locking models for sales orders to hedge against operational risks arising from price fluctuations in the industry chain.

01

Strengthen Strategic Cooperation to Solidify the Supply Foundation

The Company establishes long-term strategic partnerships with core suppliers, ensuring stable supply, leading quality, and cost advantages through optimizing supplier allocation, signing long-term supply agreements, implementing performance and quota linkages, and promoting multi-dimensional collaborative cost reductions. The Company continuously engages in joint technological research and innovation with suppliers, achieving mutual benefits while enhancing product performance and jointly building a strategic supplier ecosystem characterized by shared risks and benefits and driven by joint innovation.

02

Promote Localized Deployment to Strengthen Regional Resilience

Building on existing localization achievements, the Company further focuses on developing local suppliers for key material categories, continuously increasing the proportion of local supply. This effectively shortens procurement cycles, ensures timely supply, reduces logistics and packaging costs, optimizes inventory management, and improves supplier response efficiency, comprehensively enhancing the stability and agility of the supply chain.

03

In 2025, the Company officially issued the *Management Measures for Internal Control in Procurement Business Processes*, establishing a risk matrix and key control point system covering core business activities, thereby ensuring that internal control management is well-documented and rule-based. At the same time, the Company developed an “intelligent risk control assistant” that deeply integrates big data risk control capabilities into the entire supplier management process, shifting from reactive responses to proactive prevention. This system seamlessly integrates external big data risk control capabilities with the internal Supplier Relationship Management (SRM) system, enabling dynamic monitoring throughout the entire supplier lifecycle.

Full-lifecycle risk monitoring

The system uses a model to assess risks from multiple dimensions, including business operations, legal issues, affiliated relationships, and blacklists, to generate supplier risk ratings, enabling efficient identification and automatic alerts for potential risks.

Strict access and performance evaluation

The system enforces rigid access standards based on "business segment + material category + scenario" at each stage of the supplier lifecycle (selection, development, retention, and exit). It refines the performance evaluation system around seven key dimensions—technology, quality, delivery, cost, response, ESG, and compliance baselines—to accurately reflect supplier performance and provide a precise basis for partnership evaluations and quota allocation.

Procurement process standardization and optimization

The system enables online quota approval, deviation alerts, and performance linkage, while piloting automated quota management. It aims to reduce reliance on sole-source and designated suppliers, improve abnormal handling processes, promote "price consistency for equivalent materials", and conduct monthly deviation tracking.

Supply Chain Integrity Management

Tongwei is committed to promoting integrity and transparency in supply chain management and strives to foster an open and transparent procurement environment. The Company deeply integrates integrity and business ethics into the entire supply chain management process, strengthening its line of defense against corruption through multiple dimensions from commitment to action.

- The Company requires its internal procurement team to sign the *Letter of Undertaking on Compliance with Laws and Rules for Clean Performance* and mandates that all suppliers and partners doing business with the Company sign multiple compliance commitment letters covering anti-commercial bribery, anti-money laundering, and fair competition, thereby clearly defining the ethical red lines for the procurement process.
- We require internal procurement personnel, suppliers, and partners to participate in training on business ethics, anti-corruption, and anti-bribery to ensure that suppliers fulfill business ethics requirements. In 2025, the Supply Chain team conducted three training sessions on themes including *Anti-commercial Compliance Bribery Training and Upholding Our Original Aspirations: A Special Training on Integrity in Practice.*

Supply Chain Labor Management

Tongwei considers human rights and labor management as core issues in building sustainable supply chains, ensuring that labor rights are fully protected by formulating normative documents such as the *Supplier Social Responsibility Commitment Letter and the Supplier Code of Conduct*.

The Company has established a supply chain grievance mechanism that fully considers the linguistic diversity of workers, ensuring they can file complaints in their local languages. We publicize our grievance channels through our official website and documents such as the *Supplier Compliance Commitment* and *Supplier Guidelines*, with all reported information managed centrally by the Supervision Department. We encourage suppliers and partners to proactively report potential violations. Whistleblowers may choose to remain anonymous, and the Company maintains confidentiality throughout the entire process for their information and materials, strictly prohibiting any form of retaliation.

Basic Rights

- Anti-discrimination
- Prohibition of child labor and forced labor
- Respect for freedom of association and the right to collective bargaining
- Compliance with minimum wage standards
- Implementation of reasonable working hours and leave arrangements

Health Management

- Reduction of safety hazards in the work environment
- Provision of regular health checks and protective equipment
- Organization of occupational health and safety training

Career Development

- Conducting capacity-building training
- Establishing a career path system

Human Rights and Labor Management in the Supply Chain

Responsible Mineral Management

To effectively protect the labor rights, human rights, health, and ecological environment of mineral-producing countries and regions, Tongwei places a high premium on managing controversial procurement risks and systematically promotes responsible mineral management. The Company has formulated and publicly released the *Tongwei Co., Ltd. Conflict Minerals Commitment and Policy*, solemnly pledging to strictly adhere to international standards such as the UN Global Compact, the Organization for Economic Co-operation and Development (OECD) *Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas*, and the *Responsible Minerals Initiative (RMI)*.

In practice, the Company responsibly procures 3TG minerals—tantalum (Ta), tin (Sn), tungsten (W), and gold (Au)—used in its products, ensuring all raw materials are legally sourced, traceable, and conflict-free. For more details on our practices, please refer to the *Tongwei Co., Ltd. Responsible Supply Chain Due Diligence Management Report* available on our official website.

Comprehensive compliance commitments

100% of major raw and auxiliary material suppliers for our three main business segments (polysilicon, cells, and modules) have signed the *Tongwei Supplier Conflict Minerals Statement and Commitment.*

100% due diligence completion

For suppliers in the module segment involving 3TG materials, Conflict Minerals Reporting Template (CMRT) questionnaire surveys were completed during the year, achieving 100% coverage. Over the past five years, the Company has used no conflict minerals and generated no operating revenue from conflict minerals.

Zero-tolerance inclusion in the audit system

"Controversial procurement" has been listed as a "zero-tolerance item" in our ESG on-site audits and is explicitly incorporated into the *Supplier ESG Audit Checklist* and the supply chain due diligence process.

Full-chain responsibility transmission

The Company requires its tier-one suppliers to pass down responsible mineral procurement principles, promoting the extension of compliance requirements to further upstream links in the supply chain.

Joint Development of the Supply Chain Ecosystem

Tongwei highly values collaborative growth with its suppliers and is committed to building a sustainable supply chain ecosystem through effective communication, capacity support, and mutual improvement. In 2025, the Company continued to deepen strategic trust and ESG consensus with suppliers through various means, including specialized training and on-site coaching.

Tongwei's First Global Supply Chain Eco-partner Conference for Co-creation and Mutual Success

On 17 November 2025, Tongwei held its inaugural Global Supply Chain Eco-partner Conference in Chengdu. The conference, themed "Gathering Momentum for Symbiosis, Co-creating for Mutual Success", brought together representatives from the global industry chain to discuss how to build a sustainable photovoltaic industry ecosystem through innovation and collaboration against the backdrop of the energy transition. At the event, the "Empowering Green Energy, Building a Low-carbon Future Together" sustainable supply chain initiative for the photovoltaic industry was launched, further encouraging the entire industry chain to practice green and low-carbon development concepts and jointly construct an environmentally friendly, efficient, and collaborative sustainable supply chain system.

During the reporting period, the Company

Conducted on-site ESG training for suppliers, totaling **214** sessions

with supplier attendance reaching **942** participants

The training covered key topics such as environmental management, labor rights, and sustainable supply chains, effectively enhancing the overall sustainable development capabilities of the supply chain.

Metrics and Targets

Tongwei's Supply Chain Sustainability Goals

For the photovoltaic manufacturing segment: From 2024 to 2026, complete phased risk identification and on-site audits for major raw material suppliers and continuously build and optimize the sustainable supply chain system.

2024 Achievements

Achieved full compliance development for major raw material suppliers, with signing rates for the social responsibility commitment, compliance commitment letter, and integrity commitment letter all reaching 100%.

100%

2025 Achievements

Systematically advanced ESG risk management, achieving 100% coverage in risk identification and assessment for major raw material suppliers.

100%

2026 Target

Deepen sustainable supply chain practices and achieve a 100% on-site audit coverage rate for core suppliers of major raw materials.

100%

Supplier Overview

As of the end of the reporting period, Tongwei had a total of 5,416 suppliers.

Agriculture and animal husbandry sector
1,828

PV sector
3,588

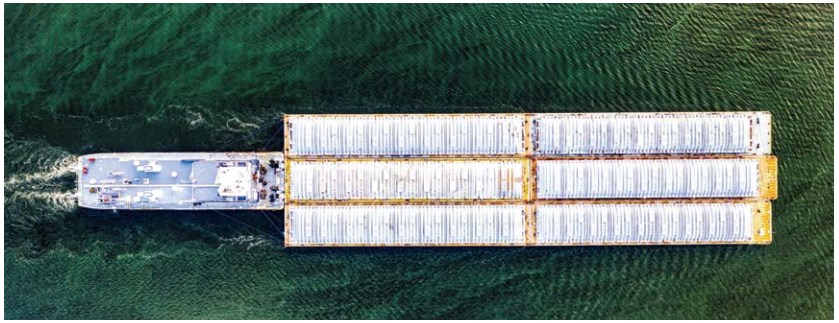
In 2025, for the photovoltaic manufacturing segment

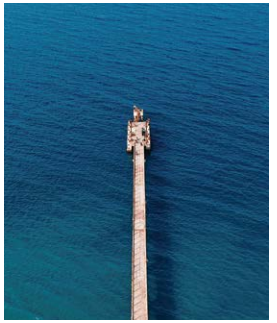
signing rate of the social responsibility commitment letter, compliance commitment letter, and integrity commitment letter
100 %

achievement rate for the annual target of supplier ESG self-assessment
100 %

achievement rate for the annual target of supplier ESG on-site audits
100 %

rectification rate of suppliers identified for improvement through ESG audits
100 %

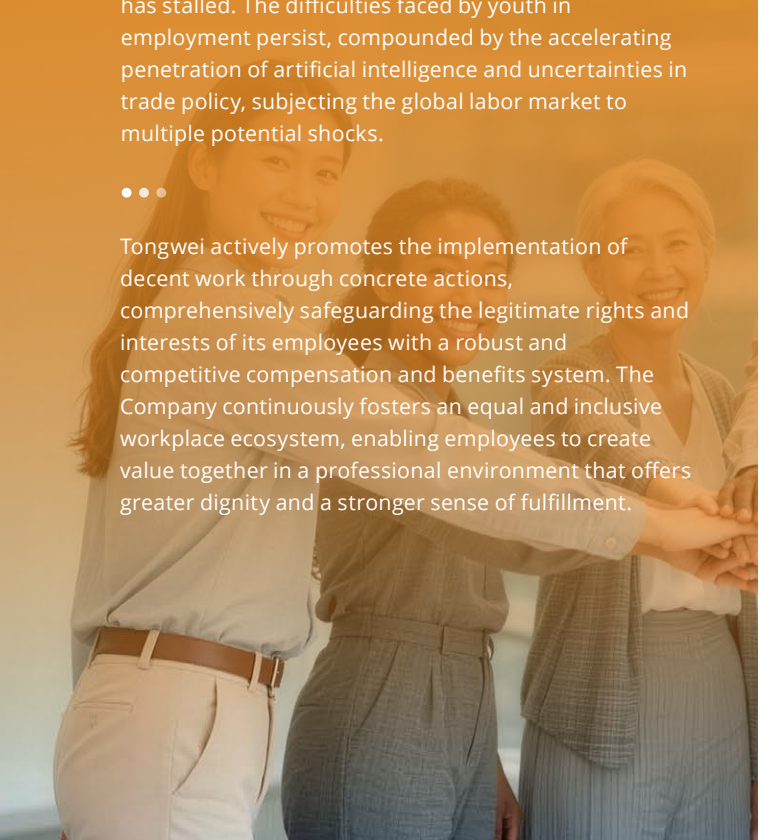




Employees' Rights and Interests Protection

Against a backdrop of resilient global economic growth but stagnating employment quality, the job market is facing deep-seated structural challenges. The International Labor Organization's (ILO) latest report, Employment and Social Trends 2026, indicates that the global unemployment rate is expected to remain stable at 4.9% in 2026, but progress in achieving decent work has stalled. The difficulties faced by youth in employment persist, compounded by the accelerating penetration of artificial intelligence and uncertainties in trade policy, subjecting the global labor market to multiple potential shocks.

Tongwei actively promotes the implementation of decent work through concrete actions, comprehensively safeguarding the legitimate rights and interests of its employees with a robust and competitive compensation and benefits system. The Company continuously fosters an equal and inclusive workplace ecosystem, enabling employees to create value together in a professional environment that offers greater dignity and a stronger sense of fulfillment.



Compliant Employment

Tongwei consistently adheres to legal employment practices, building a compliant employment system that encompasses policy commitments, management mechanisms, and external verification. These requirements are also extended to our suppliers and partners to ensure the comprehensive protection of human rights and labor rights.

Response to Initiatives

- We actively respond to the *Universal Declaration of Human Rights of the United Nations* and support the *United Nations Guiding Principles on Business and Human Rights* and the *International Labour Organization Declaration on Fundamental Principles and Rights at Work*.

Compliance with Laws

- We strictly comply with laws and regulations such as the *Labor Law of the People's Republic of China,* the *Labor Contract Law of the People's Republic of China,* and the *Trade Union Law of the People's Republic of China*.

Due Diligence

- We conduct specialized labor audits focusing on key areas such as labor compliance, human rights due diligence for employees, protection of the rights of female and minor workers, social insurance contributions, and employee benefits.

System Safeguards

- We have formulated internal management systems including the *Management System for the Protection of Female Workers and Minors*, the *Provisions on the Prevention of Discrimination, Harassment and Abuse*, the *Recruitment and Hiring Management Measures*, the *Attendance and Leave Management Measures*, the *Employee Welfare Management Measures*, and the *Management Measures for Employee Reward and Punishment*.

Management Mechanisms

- In accordance with the requirements of the ISO 37301 compliance management system and the SA 8000 standard, we have systematically constructed a more stringent labor compliance management mechanism covering employee recruitment, code of conduct, attendance and leave, compensation and benefits, training and development, performance management, reward and penalty systems, communication and feedback, and labor relations and dispute resolution.
- We strictly regulate working hours, monitoring employee hours through a time management system to ensure they are reasonable. Regarding compensation, employees can choose either compensatory time off or overtime pay based on their circumstances. Additionally, the Company actively encourages employees to schedule their paid annual leave, promoting the full utilization of their leave entitlements.

Compliant Employment Management System of Tongwei

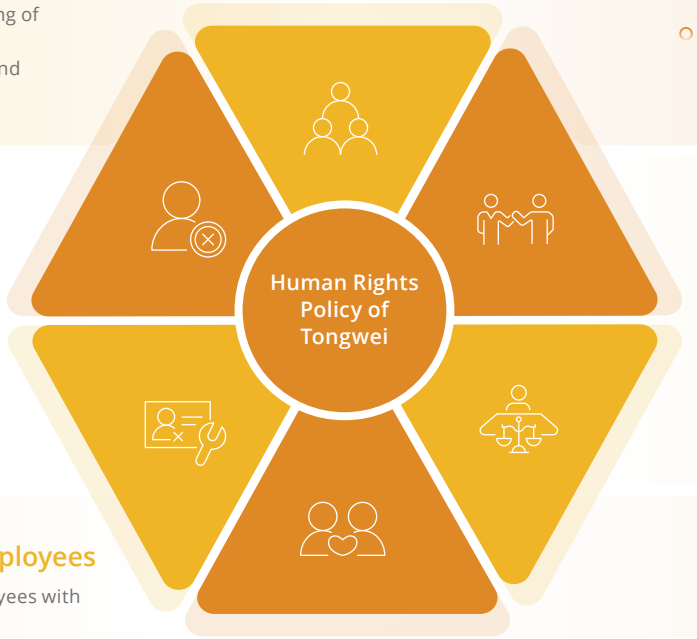
Tongwei has formulated the *Tongwei Co., Ltd. Human Rights Commitment and Policy*, which applies to all employees of Tongwei and its subsidiaries, and encourages its suppliers and partners to adopt and follow it.

Eliminating Forced Labor

- Prohibiting any form of forced labor, such as intimidation, threats, abduction, or deception.
- Guaranteeing employees' right to choose their employment and to resign, and prohibiting punitive or retaliatory actions against departing employees, and forbidding the unlawful withholding of employee identification documents.
- Conducting supplier reviews on issues such as forced labor and working hours to ensure that suppliers respect labor rights.

Promoting Diversity and Inclusion

- Upholding fair employment principles and prohibiting any form of violent disciplinary action against employees.
- Respecting individual differences and actively attracting, developing, and retaining a diverse workforce.
- Creating a work environment of mutual respect with zero harassment and zero discrimination in accordance with international standards.



Prohibition of Child Labor

- The Company strictly prohibits the use of child labor and verifies the age and other identity information of applicants during recruitment to prevent wrongful hiring caused by false information.
- Incorporating the prohibition of child labor into supplier social responsibility due diligence and commitment letters, and strictly addressing and disqualifying suppliers that use child labor.

Prohibiting Workplace Discrimination and Harassment

- Explicitly prohibiting any form of discrimination, harassment, or abuse against employees in the workplace.
- Actively identifying and preventing acts of discrimination and harassment, and encouraging employees to report and file complaints promptly when they encounter or witness such incidents.

Safeguarding Basic Rights and Benefits of Employees

- Actively eliminating the gender pay gap and providing employees with various welfare programs and care funds.
- Establishing a compensation and incentive system that balances living wage needs with market competitiveness, based on factors such as employee position, rank, and market pay levels.
- Ensuring employees' rights to annual leave in accordance with the law and promoting work-life balance.
- Providing employees with diverse learning and career development opportunities and ensuring clear career progression paths.
- Providing employees with a safe and healthy work environment and continuously improving long-term workplace safety mechanisms.
- Strictly fulfilling notification obligations in significant matters such as job adjustments and contract terminations to protect employees' right to be informed and their freedom of choice.

Respecting Liberty of Association and Liberty of Collective Bargaining

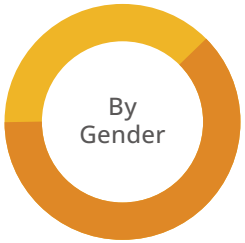
- Respecting employees' rights to freedom of association, to join trade unions, and to engage in collective bargaining with the Company.
- Ensuring open channels for democratic participation, encouraging employees to take part in the Company's operational management, and guaranteeing their rights to be informed, express opinions, participate, consult, and supervise on matters affecting their own interests.

The Company regularly conducts human rights assessments of its own operations and suppliers, and has fully integrated human rights compliance audits into the internal and external audit scope of its ISO 37301 compliance management system. By the end of 2025, 8 of Tongwei's operating entities had obtained ISO 37301 certification, accounting for 72.57% of the Company's total revenue. For any human rights compliance issues identified during assessments, the Company promptly initiates corrective procedures and establishes a closed-loop tracking mechanism to ensure that problems are effectively rectified and remedied.

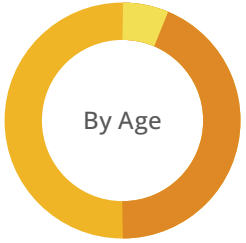
During the reporting period, the Company

Had **No** incidents of child labor, forced labor, workplace harassment, or discrimination.

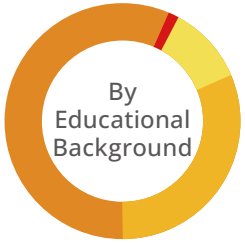
During the reporting period, Tongwei had a total of **44,798** employees worldwide.



- Male Employees 33,924
- Female Employees 10,874



- Aged 30 and under 15,863
- Aged 31 to 50 26,181
- Aged 51 or above 2,754



- Below bachelor's degree 31,848
- Bachelor's degree 11,675
- Master's degree 1,216
- Doctor's degree 59

- General employees 41,631
- Junior management 2,350
- Middle management 684
- Senior management 133

Fairness and Inclusion

Tongwei is committed to treating every employee with dignity and respect, adhering to the principles of fair employment. It has formulated and issued the *Tongwei Co., Ltd. Anti-harassment and Anti-discrimination Commitment and Policy*, which is signed by the CEO, who also oversees employee diversity performance and policy implementation. The Company values diverse cultural backgrounds and individual uniqueness, and actively fosters an inclusive, equal, and friendly work environment where every employee can realize their value with respect.

Fair Compensation and Incentives

- Providing fair remuneration and formulating reasonable compensation policies based on position, rank, and market pay levels.
- Regularly reviewing and addressing gender pay gaps to achieve equal pay for equal work.

Equal Development Opportunities

- Adhering to the employment principle of "value the capable ones, replace the mediocre ones, and dismiss the incapable ones", and establishing both horizontal and vertical career development pathways.
- Customized training programs for employees at different levels to encourage academic and professional development.

Diversity and Inclusion Training

- In accordance with the *Tongwei Co., Ltd. Anti-harassment and Anti-discrimination Commitment and Policy*, the Company conducts diversity training that covers all employees.

Measures to Promote Fairness and Inclusion of Tongwei

Protecting Women's Rights and Interests

As a signatory to the Women's Empowerment Principles (WEPs), Tongwei actively promotes diversity and equality in the workplace, emphasizing the protection of female employees' rights and interests to ensure that every employee can realize their personal value and career development in a respectful and supportive environment.

Tongwei strictly complies with national laws and regulations and has formulated the *Management System for the Protection of Female Workers and Minors*, which explicitly prohibits refusing to hire, dismissing, or reducing the wages of female employees on the grounds of marriage, pregnancy, childbirth, or breastfeeding. Through the *Attendance and Leave Management Measures*, the Company clearly guarantees rights such as paid maternity check-up leave, maternity leave, and nursing leave. The Company includes special items for women in its annual physical examinations and has established professional nursing rooms equipped with sofas, refrigerators, microwave ovens, and hair dryers to provide a warm, private, and convenient space for pregnant and lactating female employees, supporting their smooth return to the workplace and creating a humane and caring work environment.

During the reporting period, the Company

Number of female R&D personnel
906

Proportion of female R&D personnel
20.57 %

Proportion of female employees in STEM[1] positions
23.85 %

Female Management Data

All Management Levels	604	19.07%
Junior Management	496	21.11%
Middle Management	92	13.45%
Senior Management	16	12.03%

Caring for Vulnerable Groups

The Company actively promotes the employment of persons with disabilities, effectively guaranteeing their rights to equal employment and development opportunities. Through multiple channels, including collaborations with local communities, disabled persons' federations, and internal referrals, the Company provides suitable positions for employees with disabilities and supports them with vocational skills training and career planning to aid their professional development and social integration.

During the reporting period, the Company

Had employees with disabilities totaling
399

and ethnic minority employees totaling
3,046

[1] STEM positions are defined as roles requiring expertise in Science, Technology, Engineering, and Mathematics. They primarily comprise R&D personnel across functions such as product planning, PV technology R&D, and agriculture/aquaculture technology R&D.

Talent Attraction and Development

Talent Acquisition

Tongwei prioritizes evaluations that focus on abilities, performance, and character, and we employ a merit-based approach in personnel appointments, disregarding seniority. We adheres to the recruitment principles of "openness, fairness, and impartiality". The Company systematically plans and implements its talent acquisition work in alignment with its corporate strategy and business development needs, aiming to build a multi-level, diverse talent pipeline that provides solid support for the Company's sustainable development.

Each year, based on business development needs and market trends, the Company formulates a formal talent pipeline development strategy, scientifically develops an annual talent recruitment plan, and executes it in accordance with the *Recruitment and Hiring Management Measures*. The entire recruitment process emphasizes departmental collaboration and dynamic optimization, with the main stages including:

Developing the recruitment plan

Forecasting talent gaps based on organizational structure, budget, and business needs, and actively building and maintaining a talent pipeline.

Implementing recruitment

The two departments collaborate on recruitment, dynamically adjusting needs during the process and continuously updating the talent pool information.

Finalizing the recruitment plan

Creating annual, monthly, and special recruitment plans to ensure the systematic execution of recruitment activities.

Managing recruitment needs

Hiring departments submit requests, which the human resources department assesses for validity and precision to achieve an appropriate person-job alignment.

The Company attracts outstanding talent who align with its corporate culture through multiple channels, including campus recruitment, social recruitment, and internal referrals, injecting vitality into the organization. During the recruitment process, the Company strictly adheres to the following core principles to ensure the quality and fairness of talent acquisition:

Principle of strategic orientation	Formulate the recruitment plan based on the overall strategic planning and business objectives.
Principle of matching person and job	Clearly define job requirements and objectives, and effectively allocate human resources.
Principle of streamlining and efficiency	Rationally use recruitment channels, and implement a concise and efficient recruitment process.
Principle of openness and fairness	Follow the principle of equal competition, maintain an open and transparent recruitment process and results, and select the most qualified candidates.
Principle of inside before outside	Adhere to the priority allocation of internal human resources, particularly for key positions, where internal candidates are given preference under equal conditions.

During the reporting period, the Company

Total number of new employees (including those who have left the company)

9,577

Total number of internal recruits

2,685

Talent Development

Talent Development System

Tongwei is committed to providing employees with diverse growth paths and building a well-structured talent pipeline with continuously improving capabilities through a systematic, multi-layered, and categorized development system. The Company has formulated a series of management systems, including the *Employee Training Management System*, *Training and Development Management Measures*, *Employee Self-development and Training Management Measures*, and *Internal Lecturer and Course Development Management Measures*, to provide clear guidance and resource assurance for the learning and development of all employees. Through internal learning platforms such as the Knowledge Center, the Company offers a wide range of learning resources, including journals, theses, conference papers, standards, patents, policies, regulations, and industry information. It also organizes discussion and learning resource groups during each training session to promote interaction and knowledge sharing. In 2025, the Company introduced an innovative "AI + Training" model, systematically planning and upgrading its intelligent learning platform by benchmarking against advanced industry practices to continuously optimize the employee learning experience.

During the reporting period, the Company

Number of employees received training
52,860

Total number of training sessions
66,754

Average training hours per employee
57 hours

Tongwei talent training system	Photovoltaic Sector - Five Projects					Agriculture Sector - Five Programs				
	Sailing Project	Turnaround Project	Climbing Project	Elite Project	Leader Project	Seedling Program	Spark Program	Rising-star Program	Sailing Program	Excellence Program
Targets	Employees from campus recruitment Management trainees Top talent	New employees from social recruitment	Planning/ current 1-6 grade technical talents	Reserve team and current minister/ factory director	Planning and current executives	Employees from campus recruitment Management trainees	Business backbones	Outstanding department managers	Reserve general managers	Outstanding general managers
Cultivating competence	**Strengthen key business**: professional knowledge and skills			**Enhance general literacy**: improve academic and professional qualifications, strengthen communication and collaboration skills		**Cultivate management capabilities**: meet job requirements, support team development, hunt for potential talents, and expand business presence				
Assessment methods	Theory test + practical assessment + online learning + presentation + comprehensive performance									
Resource sharing	E-learning + offline courses (internal instructors / external experts) + training base practice + case library									

Talent Development System of Tongwei

Layered and Categorized Development Plans

Tongwei designs special development programs for different employee groups to achieve comprehensive coverage and targeted breakthroughs in talent development.

Training Type	Target Audience	Development Plan	Training Content	2025 Practices
Management Trainee Training	Campus recruits, management trainees, and high-potential talent	○ Photovoltaics sector "Sailing Program" ○ Agriculture sector "Seedling Program"	Through mentorship/apprenticeship programs, customized courses, online learning, and case studies, the program helps new employees quickly integrate and master job-specific skills.	Specialized training is conducted for functional lines such as procurement, quality control, finance, and human resources & administration, as well as for technical and service roles. This training, which includes business knowledge lectures, workplace skills development, and experience sharing from previous cohorts, helps newcomers comprehensively understand business operations, enhance professional collaboration, and adapt to workplace development.
Specific Career Development Programs	Prospective and current technical talent and key business personnel at job grades 1-6	○ Photovoltaics segment "Climbing Project" ○ Agriculture sector "Spark Program"	The Company provides systematic training for core talent by integrating various training resources and assessment methods, helping them enhance their professional skills and overall capabilities.	Service skill competitions and production team skill certifications are conducted to promote the upgrading of production talent, centered on the goals of "standardization, professionalization, and digitalization".
Leadership Training	Prospective and current department heads, plant managers, senior executives, outstanding department managers, reserve general managers, and outstanding general managers	○ Photovoltaic sectors "Elite Project" and "Leadership Project" ○ Agriculture sector "Rising-star Program", "Sailing Program", and "Excellence Program"	A high-quality management talent pipeline is being built through a systematic training system that meticulously cultivates future leaders, providing solid management support for the Company's sustainable development.	Participants in the "Rising-star Program" present their final reports on management cognition, skill development, and future planning, and are comprehensively evaluated by a judging panel.

In 2025, in response to employees' digital capability needs, the Company provided specialized training programs such as "AI Empowerment Training: Make AI Your Super Work Partner" and "Smart Office: A Practical Guide to WPS Lingxi Empowerment". These programs help employees master the use of AI tools in office scenarios and promote a shift toward more efficient and intelligent ways of working.

Tongwei Solar (Meishan) Manager Empowerment Training

Tongwei Solar Zhongwei Company Practical Skills Coaching

Academic and Qualification Support Program

Tongwei encourages employees to obtain relevant professional qualifications and enhance their academic credentials. The Company has formulated the *Employee Self-development Training Management Measures*, which specifies details on expense reimbursement for personal academic advancement and subsidies for obtaining certificates. Concurrently, the Company provides various types of resource support to all employees according to their job levels to assist in their self-development and growth.

Academic Credential and Qualification Project Categories	Academic education	Training for middle-level and senior titles	Expatriate training andlearning
	Obtaining a state-recognized undergraduate degree (or higher) of higher education, with both a diploma and a degree certificate.	Obtaining middle-level and senior titles (including vocational qualifications and technical titles) recognized nationwide through relevant training.	Expatriate training related to the job position.
Incentives Support Methods	For academic education, tuition reimbursement subsidies will be granted.	For obtaining intermediate and senior professional titles a one-time reward is given.	For expatriate training and study, the overseas training fees will be reimbursed.

Employee Academic and Qualification Support Program of Tongwei

During the reporting period, the Company:

Invested in supporting employees in enhancing their academic qualifications and credentials, totaling RMB **2.13** million

Supported employees who received relevant reimbursements or rewards, numbering **1,221**

[1] All employees include all staff of Tongwei and its subsidiaries (including contract and part-time workers).

University-Enterprise Cooperation

Tongwei continues to deepen its strategic cooperation with top domestic universities and research institutions, engaging in in-depth collaboration with universities such as Fudan University, Sichuan Agricultural University, Huazhong Agricultural University, and Jilin Agricultural University in areas like technology R&D, talent cultivation, skills training, and employment recommendations. Through joint training programs such as the "Tongwei Class", "Tongwei Elite Training Camp", and "Vocational Training Camp", the Company has established a three-tiered strategic university-enterprise cooperation system covering master's and doctoral students, undergraduates, and vocational technical talent, achieving end-to-end joint talent cultivation from high-end research to front-line practice.

In 2025, Tongwei further expanded its cooperation network by signing university-enterprise cooperation agreements with institutions such as Southwestern University of Finance and Economics, Southwest Petroleum University, and Shenzhen University of Advanced Technology. These partnerships aim to jointly build a teaching platform that integrates innovation and practice to cultivate high-quality talent with an innovative spirit and practical abilities, while also supplying the enterprise with the specialized technical expertise needed for its development.

Tongwei signs strategic cooperation framework agreements with Southwestern University of Finance and Economics, Southwest Petroleum University, the College of Materials Science and Engineering at Sichuan University, and the School of Optoelectronic Science and Engineering at the University of Electronic Science and Technology of China

Tongwei signs the *Framework Agreement for a Practical Teaching Base Partnership* with Shenzhen University of Advanced Technology

Talent Development

Talent Promotion

Tongwei advocates the principle of "value the capable ones, replace the mediocre ones, and dismiss the incapable ones". With ability, performance, and integrity as core evaluation criteria, and based on systems such as the *Position Promotion Management Measures* and the *Cadre Development Management Procedures*, the Company standardizes employee promotion and advancement processes to ensure that talent development is open, fair, and sustainable.

The Company has established six major career development tracks for employees: management, R&D, technical, functional, marketing, and operations. By integrating vertical advancement with horizontal rotation in a dual-channel framework, we guarantee transparent and fair career paths for all employees across every track.

Vertical Development Model

- Management personnel are hired based on a meritocratic competition system, with annual promotion opportunities offered to eligible employees.
- Professionals follow the procedures by the Company's *Administrative Measures for Evaluation and Appointment of Professional and Technical Positions*.

Horizontal Development Model

- Employees are encouraged to enhance their skills and are given the chance to rotate across various responsibilities.

Employee Development Model of Tongwei

Additionally, the Company has formulated the *Internal Job Competition Management* to establish a transparent and fair internal competition and assessment mechanism. This not only extends employees' career paths and motivates them to continuously enhance their professional skills and job performance but also provides a sustainable talent pipeline for the Company's key positions and business development.

Compensation and Performance

Tongwei continues to refine its scientific and standardized compensation management system, having formulated the *Salary Management Measures*, which have been disclosed to all employees and serve as the core basis for internal compensation management. The Company strictly adheres to the laws and regulations of its operating locations, ensuring that employee compensation is not affected by non-work-related factors such as gender, religion, or marital status, and upholds the principle of equal pay for equal work. The Company's compensation structure comprises four parts: base salary, position salary, performance salary, and year-end performance bonuses. The compensation design comprehensively considers the economic development level, cost of living, and inflation trends in the regions where employees are located, scientifically setting a decent wage standard to effectively meet employees' basic living needs.

In accordance with the *Performance Management Measures*, Tongwei has established a systematic performance management mechanism. By setting assessment indicators, standardizing implementation processes, and improving feedback and appeal channels, the Company conducts regular quarterly and annual assessments to provide an objective basis for compensation distribution, talent promotion, and career development.

Performance Management

The Company employs a variety of assessment methods, integrating tools such as individual goal management, Key Performance Indicators (KPIs), 360-degree feedback, and project management to dynamically monitor and comprehensively evaluate individual and team performance.

Performance Feedback

Employees can confirm their assessment results through an online system or by signing a physical copy. If there are objections to the results, employees can file an appeal through an online platform or by providing feedback through the hierarchical reporting structure, and face-to-face communication with their superiors can be arranged promptly.

During the reporting period, the Company:

Employees participating in performance appraisals reached

100%

Tongwei clarifies the basis, standards, and procedures for rewards and sanctions through the *Employee Reward and Punishment Management System*, ensuring fairness, impartiality, and transparency in the process. The Company provides corresponding rewards and recognition to outstanding employees, and these records serve as an important reference for promotions and appointments. Additionally, the Company continues to advance its employee stock ownership plan as a long-term incentive to attract and retain key talent. As of the end of 2025, the various employee stock ownership plans collectively held 175,778,505 shares of the Company, accounting for 3.90% of the total share capital.

Benefits System

Tongwei provides comprehensive benefits for all employees, including compensation benefits and non-compensation safeguards (statutory social benefits, exclusive Tongwei benefits, employee mutual aid programs, employee care programs, etc.), holistically enhancing employee job satisfaction and well-being. During the reporting period, the social security contribution rate for all Tongwei employees was 100%.

Statutory Social Benefits

Paid leave
statutory holidays, annual leave, sick leave, marriage leave, maternity leave, breastfeeding leave, etc.

Five social insurances and one housing fund
medical insurance, pension insurance, unemployment insurance, work-related injury insurance and maternity insurance, plus a housing provident fund.

Labor protection
occupational health check, high-temperature subsidy.

Tongwei's Exclusive Benefits

Life care amenities
welfare canteen, refreshments, personalized uniforms, holiday and care gifts, employee care and mutual assistance fund, and retirement support, etc.

Family visit benefits
family visit vacation, travel expense reimbursement, etc.

Health protection
health checkups, insurance against accidental injury, etc.

Loyalty employee rewards
trophies and commemorative bonuses for employees who have completed 10 years of continuous service.

Incentive perks
opportunities for studying abroad, travel, development training, etc.

Employee Welfare System of Tongwei

Employee Care and Communication

Employee Care

Tongwei deeply practices the philosophy of "happy work, healthy life", continuously improving its employee care system and helping employees achieve a work-life balance by organizing diverse cultural and sports activities and establishing a long-term mutual aid mechanism.

In 2025, concerning cultural and sports activities, the Company established four clubs for basketball, badminton, table tennis, and running, and successfully held the second badminton league tournament. We also launched regular yoga classes and gym services to encourage employees to develop exercise habits. In terms of daily care, we introduced a monthly birthday celebration service, delivering exclusive gifts and sending customized birthday wishes to employees on their birthdays each month.

Diverse Employee Activities Organized by Tongwei's Subsidiaries

Since its establishment in 2007, Tongwei's Employee Care and Mutual Assistance Fund has always adhered to the principle of "mutual assistance". Its funds are sourced from labor union appropriations and voluntary employee contributions, providing tangible assistance to employees facing major illnesses or sudden disasters. The Company has formulated the *Management Measures for Employee Care and Mutual Assistance Fund* and initiated the construction of a fund management system in 2025. This system will digitalize the entire process of application, review, disbursement, and data inquiry, providing strong technical support for the standardized management and efficient operation of the care fund.

During the reporting period, the Company:

Provided care to employees and their family members, totaling
909

Distributed care funds
RMB **3.39** million

Democratic Communication

Tongwei places great importance on employee expression and democratic participation, actively fostering an open and transparent democratic management environment through institutional improvements and channel development. The Company formulated the *Employee Suggestions and Complaints Management Measures* and established a democratic management committee to create regular and accessible communication channels. This committee periodically collects and responds to employee suggestions, effectively safeguarding employees' rights to know, participate, and supervise. At the same time, we proactively listen to grassroots voices by holding regular corporate culture salons and other events, guiding employees to express their concerns rationally, and effectively preventing and resolving labor disputes. During the reporting period, the Company achieved full coverage of online and offline employee communication, with a 100% response and handling rate for employee feedback.

Additionally, the Company has formulated the *Management System of the Trade Union Committee*, establishing a fund review committee and a labor law supervision committee to leverage the union's functions in democratic consultation and labor dispute mediation. Through the regular convening of the Workers' Congress, it promotes the participation of all employees in corporate governance.

During the reporting period, the Company:

Held Workers' Congress
1 time

Achieved employee trade union coverage
100%

Achieved collective contract signing rate
100%

In 2025, we continued to carry out our suggestion and proposal campaign. By adding physical suggestion boxes and online submission channels, we widely solicited employee suggestions on business management, innovative development, and daily operations. To enhance the efficiency and transparency of handling suggestions, the Company implemented a classification management system for proposals. In 2025, a dedicated "Suggestion and Proposal Showcase" column was launched on our internal platform, making the entire process of "submission-handling-feedback" public. This ensures every suggestion receives a response and the process is traceable, gradually fostering a democratic management atmosphere where "everyone is willing to make suggestions, and every suggestion gets a response".

Tongwei mailbox for receiving suggestions:
TWGFJYXC@TONGWEI.COM

Employee Complaint

Tongwei highly values the rights of employees to appeal and report issues. It has formulated the *Employee Suggestions and Complaint Management Measures* to systematically regulate the applicable scenarios for employee appeals, the diverse appeal channels, and the standardized handling procedures, comprehensively ensuring that employees' reasonable concerns receive an effective response. Simultaneously, the Company has established a dedicated internal mechanism for handling employee appeals, strictly controlling the scope of knowledge to fully protect the privacy and safety of complainants. During the reporting period, there were no incidents of information leakage regarding complainants or the content of their appeals.

Scope of appeal mechanism

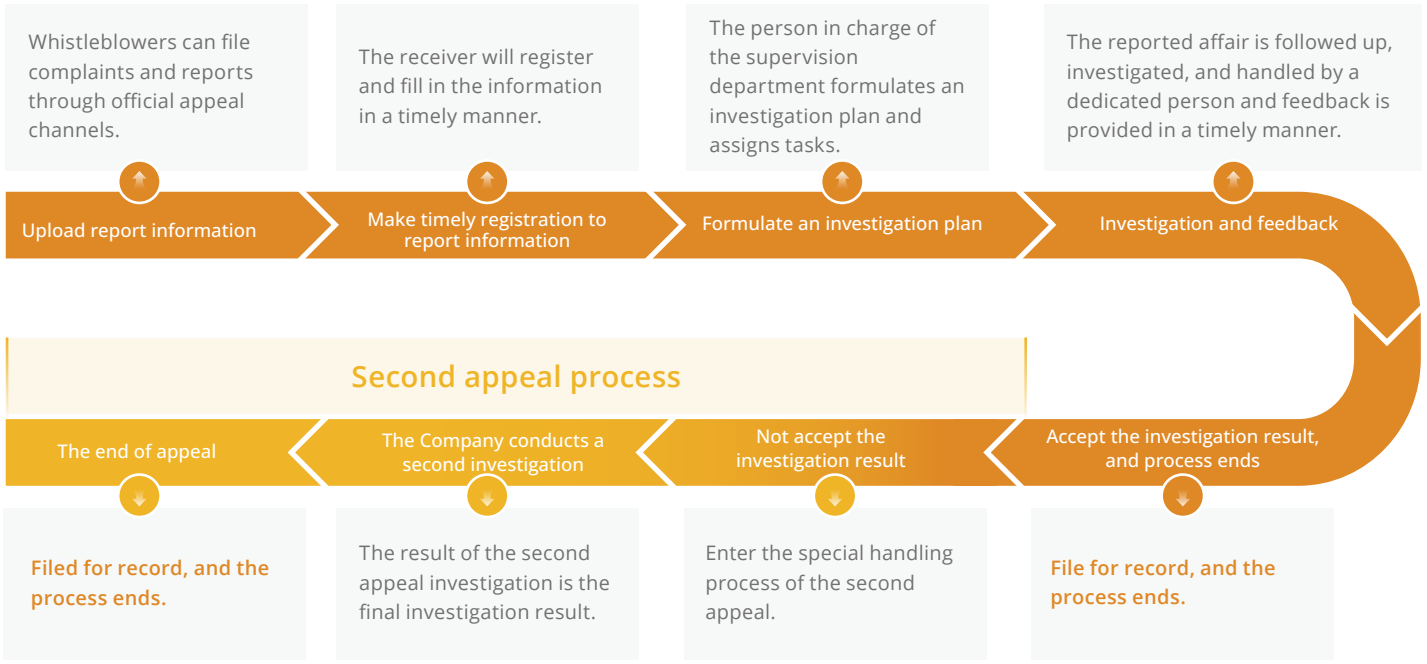
100% coverage of all employees, ensuring that every employee has equal complaint rights.

Appeal channels

telephone, WeChat official account, dedicated email, and physical suggestion boxes, etc.

Complainant protection

During the investigation process, the case handler maintains one-on-one contact with the complainant. Case information is restricted to the responsible department head and the designated investigator, and the complainant's identity, complaint content, and investigation details are kept strictly confidential.



Standardized Employee Complaint Process of Tongwei

Employee Satisfaction

Each year, Tongwei conducts a company-wide satisfaction survey through anonymous electronic questionnaires. The survey covers multiple dimensions, including company development, management support, training and growth, team collaboration, occupational health, work experience, sense of professional value, job satisfaction, and stress perception, to comprehensively collect employee opinions and feedback. Based on the survey results, the Company formulates targeted improvement measures to continuously optimize management practices and enhance employee work experience and satisfaction.

During the reporting period, the Company:

Achieved an average employee satisfaction survey participation rate

95 %

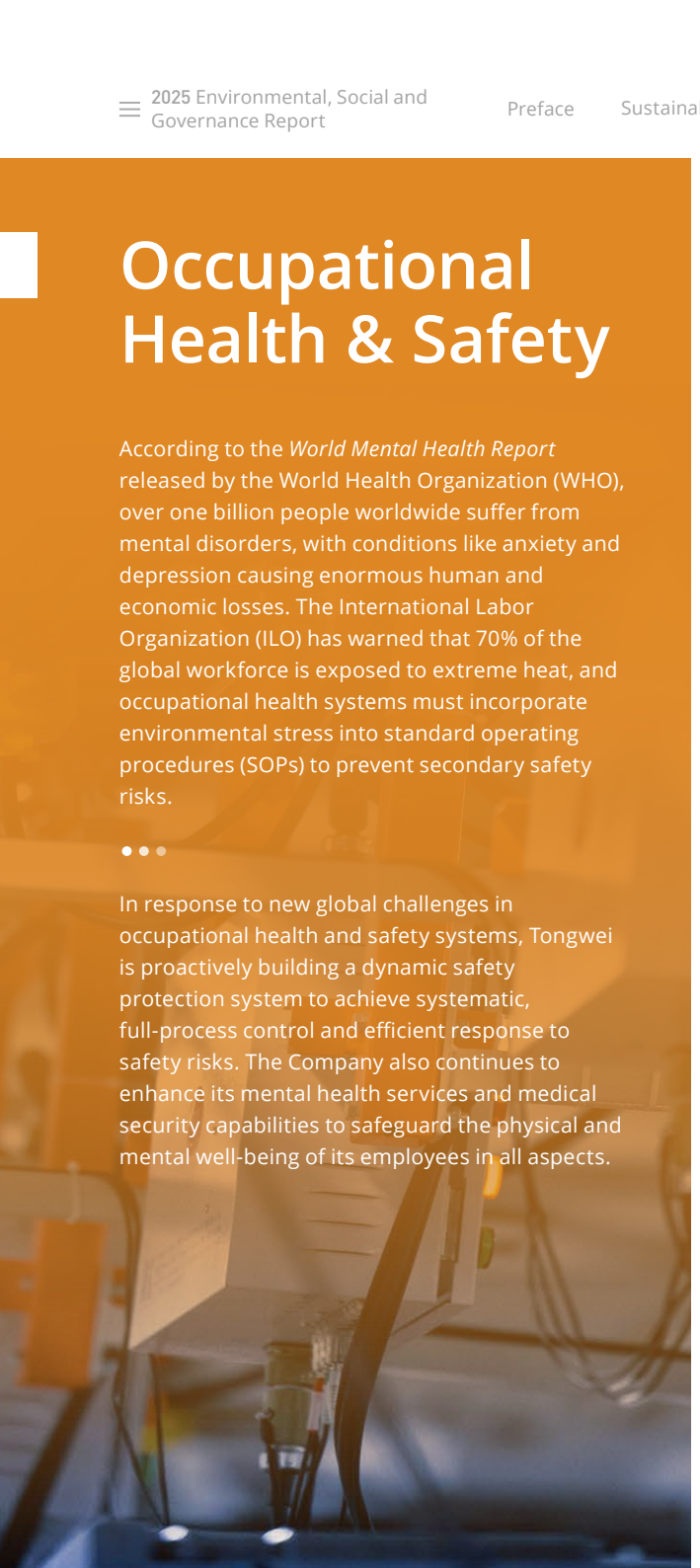
Achieved an overall employee satisfaction rate

95 %

Occupational Health & Safety

According to the *World Mental Health Report* released by the World Health Organization (WHO), over one billion people worldwide suffer from mental disorders, with conditions like anxiety and depression causing enormous human and economic losses. The International Labor Organization (ILO) has warned that 70% of the global workforce is exposed to extreme heat, and occupational health systems must incorporate environmental stress into standard operating procedures (SOPs) to prevent secondary safety risks.

In response to new global challenges in occupational health and safety systems, Tongwei is proactively building a dynamic safety protection system to achieve systematic, full-process control and efficient response to safety risks. The Company also continues to enhance its mental health services and medical security capabilities to safeguard the physical and mental well-being of its employees in all aspects.



Occupational Health and Safety Management System

Tongwei considers employee occupational health and safety to be the foundation of the enterprise and is committed to providing a healthy and safe working environment for its employees. The Company strictly complies with national and local laws and regulations where it operates, including the *Production Safety Law of the People's Republic of China*, the *Law of the People's Republic of China on the Prevention and Control of Occupational Diseases*, and the *Administrative Measures for Emergency Response Plans for Work Safety Accidents*. Through consultation and participation with employees and their representatives, the Company has formulated the *Occupational Health and Safety Commitment and Policy* and established a systematic set of management standards, including the *Workplace Safety Responsibility Assessment System, Safety Training and Education Management System*, *Workplace Safety Rewards and Punishment System*, and *Safety Hazard Reporting Incentive System*, providing a solid institutional foundation for safety management.

The Company's highest decision-making body for occupational health and safety is the Strategic Sustainable Development Committee, which is responsible for coordinating, guiding, making decisions on, and supervising matters related to the Company's policy formulation, goal setting, strategic planning, and system operation for occupational health and safety.

During the reporting period, the Company:

All production bases in the photovoltaic segment have obtained ISO 45001 occupational health and safety management system certification.

Tongwei has established "zero accidents", "zero work-related injuries", and "zero occupational diseases" as its core safety management objectives. Based on the headquarters' objectives and the previous year's performance, each subsidiary determines its priorities for occupational health and safety work, formulates annual action plans and production safety goals, and signs work safety objective responsibility letters at all levels, from the general manager down to frontline employees, to clarify the safety responsibilities of each position. During implementation, the Company ensures that safety objectives are realized, effectively executed, and completed through continuous monitoring, review, and assessment.

Tongwei's 2025 Occupational Health and Safety Goals and Completion Status

major fire incidents	safety training coverage rate	on-time rectification rate for safety hazards	emergency drill completion rate
0	100 %	100 %	100 %
Completed	Completed	Completed	Completed

Occupational Health and Safety Management System of Tongwei

Work Safety Management

Full-Process Safety Risk Management

Tongwei deeply integrates work safety risk management into all aspects of its production and operations, and is committed to establishing a comprehensive risk management and emergency response mechanism. While ensuring compliant operations, this mechanism effectively safeguards employee health and safety and promotes the achievement of the Company's occupational health and safety objectives. The Company has constructed a closed-loop management process covering five key stages: “risk identification, risk assessment, risk management and control, risk notification, and file and monitoring”, thereby achieving systematic, full-process control and effective response to safety risks.

Risk Identification	○ Conduct daily patrols, EHS supervision and inspections, monthly inspections by senior management, comprehensive pre-holiday inspections, and professional inspections by technical personnel in accordance with regulations such as the *Management System for Investigation and Treatment of Accident and Hidden Hazards* and *Management Procedure for Safety Inspection and Hidden Hazards Treatment*. ○ Classify identified risk hazards according to regulations such as the *Hazard Identification and Risk Assessment Procedures*, establish a hazard identification team, dynamically conduct risk identification, and update it at least once a year.
Risk Assessment	○ Use the LEC method (a semi-quantitative risk assessment method) for dynamic risk analysis and the LS method (a risk matrix method) for static risk analysis, classify the risks, and assess major risks, relatively large risks, general risks, and low risks. ○ Establish risk classification lists, take risk prevention and control measures, and minimize safety risks. ○ For new construction, reconstruction, expansion, and technological transformation projects, as well as the adoption of new processes, technologies, products, and equipment, hazard identification and risk assessment are carried out in accordance with regulatory requirements.
Risk Management and Control	○ For key risk areas identified through assessments, the Company prioritizes the formulation of special action plans, clarifying responsible parties and implementation paths, while simultaneously setting quantitative targets such as the on-time rectification rate for safety hazards and the completion rate of safety inspections. ○ Give priority to active control measures such as technical measures and engineering measures to control safety risks. If the conditions are not available, passive control measures such as administrative measures (management measures), emergency measures, and personal protection should be taken. ○ Carry out tiered management and control according to the level of the original risk. For acceptable risks, the local area should assess the possibility of reducing the risk probability and take measures to reduce the risk as much as possible. Establish a list of unacceptable risks, formulate plans, and take measures to reduce them to an acceptable level. ○ For the identified hazards, the Company formulates corresponding control measures and incorporates them into the knowledge system that each position is required to know and master.
Risk Notification	○ For the identified risks, make notifications through online/offline public announcements and other means according to the control requirements, and conduct training if necessary to ensure that relevant personnel are aware of the risks and control requirements.
File and Monitoring	○ Form records of various risk analyses, establish a risk analysis manual according to the requirement of "one manual for one enterprise", and input it into the work safety information system.

Safety Risk Management Process of Tongwei

Safety Hazard Investigation

In accordance with the *Management System for Investigation and Treatment of Accident and Hidden Hazards* and the *Dual Prevention Mechanism Construction Procedures*, Tongwei systematically carries out full-process hazard investigation and governance covering the environment, chemicals, operations, fire safety, equipment and facilities, electrical circuits, signs and markings, and management aspects.

01

Hazard Inspection

Comprehensive identification of hazards across areas such as environment, equipment, operations, fire safety, and chemicals is conducted through multiple methods, including routine, special, periodic, and holiday inspections.

02

Hazard Classification

Once a hazard is identified, it must be promptly uploaded to the hazard investigation system and classified as a general, major, or significant accident hazard based on its risk level.

03

Hazard Mitigation

The responsible department organizes rectification for general and major hazards and sets deadlines for corrective actions; for significant hazards, the site head organizes the development of a special rectification plan and ensures the implementation of safety measures and emergency response plans.

04

Information Retention

All hazards and rectification processes are recorded in the system, and regular reviews and analyses are conducted to continuously improve preventive mechanisms.

Safety Hazard Investigation Process of Tongwei

Type of Operation	Hazard Investigation and Governance Measures
Special Equipment Management	Strictly implement regular inspection and daily maintenance systems, conduct standardized checks on special equipment such as forklifts, cranes, and elevators, rectify any identified issues immediately, and establish a rapid response mechanism for equipment failures to ensure timely resolution.
Behavioral Safety Management	Systematically identify unsafe behaviors and conduct targeted training and spot checks on required knowledge. Promote behavioral safety observation, conducting on-site checks and providing real-time correction for non-compliant operations to enhance employees' safety awareness.
Electrical Safety Management	Conduct special inspections of substations, distribution rooms, cable wells, distribution cabinets, and workshop electrical lines, focusing on hazards such as insulation aging, poor grounding, and overloading, and implement corrective and protective measures.
Fire Safety Managemen	Carry out special fire prevention inspections covering key areas and facilities such as heat tracing tapes, busbars, converging busbars, and parking sheds to ensure that fire-fighting equipment is in good condition, fire prevention measures are effective, and fire risks are eliminated in a timely manner.
Chemical Safety Management	The Company implements full life-cycle safety management for chemicals, conducting risk inspections at every stage from procurement, storage, and transportation to use and disposal, ensuring compliant operations and effective emergency measures.
Related Party Safety Management	The Company strictly implements related-party access reviews and safety training, strengthens the approval and on-site supervision of hazardous operations, and promotes autonomous management and assessment of related parties by all departments to achieve unified standards and full-process control.

In addition, Tongwei conducts regular production safety and occupational health audits annually, continuously improving its safety management system through a multi-dimensional supervision mechanism that includes internal audits, third-party system certifications, and cooperation with government inspections and client factory audits, thereby effectively safeguarding employee life and occupational health.

Safety Emergency Management

Tongwei has formulated the *Emergency Response Plan for Production Safety Accidents* and the *Emergency Response Plan for Environmental Emergencies*, prepared various types of emergency plans, and regularly conducts emergency drills and capability assessments to continuously strengthen the Company's emergency response capacity.

Emergency Organization	An emergency response leading group has been established, along with dedicated and part-time response teams that undergo regular training. A 24-hour emergency duty system is implemented, a hierarchical command system has been established, and responsibilities at all levels have been clearly defined.
Emergency Plans	Various emergency plans are formulated based on risk analysis and are reviewed and revised at least once every three years. The Company is equipped with sufficient emergency equipment and firefighting facilities and has prepared on-site response cards to facilitate rapid response.
Emergency Response	Incidents are reported immediately upon occurrence, and early response measures are initiated. Emergency plans are activated according to procedures, information is reported in a timely manner, and emergency response personnel act in accordance with the plans.
Training and Drills	Emergency plans are incorporated into the training program, and personnel are organized to study them and undergo assessments. Drill plans are formulated, and emergency drills are conducted regularly to enhance practical response capabilities.

During the reporting period, the Company:

Organized fire emergency drills
3,135

Recorded a total of
65,145 participants

Chemical Safety Management

Tongwei implements closed-loop, full life-cycle management for hazardous chemicals and has established a series of systems, including the *Hazardous Chemicals Safety Management System*, the *Safety Management System for Narcotic Drugs and Psychotropic Substances Prone to Manufacture*, the *Safety Management System for Hazardous Chemicals Vehicles Entering the Factory*, and the *Specifications for the Management of Test Reagents*. In strict accordance with the requirements of these systems, the Company standardizes its processes for surveying and archiving hazardous chemicals, registering their use, and communicating hazards to ensure safety and control throughout the entire process.

Procurement	It is prohibited to purchase hazardous chemicals from units that do not possess business qualifications or legal certifications.
Transport	The transportation of hazardous chemicals should be entrusted to a transportation unit that complies with the relevant national regulations on the transportation management of hazardous goods.
Entry Inspection	Before hazardous chemical vehicles enter the factory, the compliance of the transported goods should be inspected.
Storage	Keep in a specialized warehouse, assigned site, or locked storage room, managed by two personnel.
Use	Operators of hazardous chemicals must wear labor protection equipment properly and can only leave the workplace after cleaning up at the end of the work.
Disposal	The disposal of waste hazardous chemicals must be recycled and processed by a professional recycling company, and the waste disposal must be carried out strictly in accordance with environmental protection management regulations.

Management Process of Hazardous Chemicals of Tongwei

Contractor Safety Management

Tongwei has formulated systems such as the *Safety Management Regulations for Relevant Parties* to strictly standardize related-party access and safety training procedures, strengthen the approval and full-process supervision of hazardous operations, and promote autonomous management and assessment of related parties by all departments.

01 Contractor Screening

Review the business qualifications, safety qualifications, and corporate creditworthiness of contractors, and require them to meet national laws, regulations, and company requirements.

02 Contract Signing

Based on the project type and risk assessment, the Company clearly defines safety management requirements, safety responsibility clauses, and the safety specifications and systems to be followed by the contractor in the contract and the safety and environmental protection agreement signed prior to site entry.

03 On-site Management

Relevant departments must review the safety work plans, safety operating procedures, construction plans, and emergency plans prepared by contractors, and ensure their personnel complete plant entry and on-site safety training.

04 Process Supervision

Strengthen the process supervision of contractors by unifying safety management requirements through construction morning meetings, on-site meetings, supervision regular meetings, and contractor regular meetings.

05 Safety Check

The contractor's business management department is responsible for organizing regular safety inspections of the construction site and conducting weekly supervision of the performance of key personnel.

06 Ability Enhancement

The Company organizes special safety training and enhancement courses for personnel with weak safety awareness and for construction units with significant safety management issues.

07 Examination and Evaluation

Evaluate the safety management performance of contractors through daily dynamic assessment, regular performance assessment, and annual performance evaluation.

Contractor Safety Management System of Tongwei

Occupational Health Management

In accordance with the *Law on the Prevention and Control of Occupational Diseases of the People's Republic of China*, the *Regulations on Occupational Health Management in the Workplace*, and other laws and regulations, Tongwei has formulated internal management systems such as the *Occupational Health Management System*, the *Responsibility System for Prevention and Control of Occupational Diseases*, the *Management System for Monitoring and Evaluating Occupational Disease Hazards*, and the *System for Workers' Occupational Health Guard and File Management*, continuously improving its systematic and standardized occupational health management mechanism.

Declaration of Occupational Disease Hazard Projects

- Units with occupational disease hazards should take the initiative to declare occupational disease hazard factors to the government authorities in charge, and declare once a year.

Occupational Hazard Monitoring and Evaluation

- The Company establishes a list of occupational hazard factors, conducts annual testing and evaluation of these factors, and immediately implements corresponding control measures and timely rectifications to meet standards for any factors that are non-compliant.

Warning and Notification

- Clearly inform employees exposed to occupational hazards about the relevant risks in their labor contracts.
- Set up and maintain clear occupational hazard warning signs in the workplace.

Occupational Hazard Emergency Response

- Establish an emergency rescue plan for occupational disease hazards and integrate it into the work safety emergency rescue management system.
- In the event of an occupational disease hazard incident, immediately implement emergency measures and report the incident to the Safety Management Department.

Management of Protective Equipment and Facilities

- Provide personal protective equipment for personnel in positions exposed to occupational hazards.
- Install protective facilities such as dust and toxic gas alarms, and equip employees with first aid supplies and flushing equipment.
- Establish a management ledger for protective and rescue equipment and conduct special inspections every quarter.

Training, Education and Publicity

- Train company leaders, occupational health managers, and employees exposed to occupational hazards, and regularly conduct occupational disease prevention and control awareness activities.

Health Examinations and Records Management

- Arrange occupational health examinations for employees before employment, during employment, after emergency incidents, and when they leave their posts.
- Establish personal health monitoring records for employees exposed to occupational disease hazard factors.

The Company has established and implemented a standardized closed-loop process for managing work-related injury incidents.

Work-Related Injury Treatment

Provide immediate medical treatment to injured employees.

↓

Incident Investigation

Conduct an incident investigation and complete the incident report and work-related injury declaration according to the severity level of the incident.

↓

Corrective Measures

The responsible department implements corrective measures and accepts review and follow-up tracking.

↓

Case Closure and Filing

Establish an incident ledger, summarize it monthly, and submit it to the responsible person and relevant departments.

Work-related Injury Incident Management Process

To systematically prevent occupational diseases and comprehensively enhance the physical and mental health of employees, the Company continues to carry out systematic work such as annual special improvement projects and healthy enterprise initiatives, and organizes regular health promotion activities including CPR and AED operation training, periodic dissemination of health knowledge, special training on high-temperature protection, and the issuance of high-temperature allowances.

In 2025, the Company will advance the development of mental health services and medical security to comprehensively improve the mental well-being of its employees.

Implement Targeted Mental Health Interventions

- EAP psychological assessments.
- Provide regular targeted mental health interventions for employees identified with psychological health concerns.

Regular Check-Ups and Assessments for Common Chronic Diseases

- Focus on key abnormal indicators related to chronic diseases among employees, such as BMI, blood pressure, blood lipids, blood glucose, and uric acid.
- Conduct health examinations and medical follow-up based on types of chronic diseases and abnormal indicators.

Tongwei Solar (Pengshan) Implements Improvement Measures for Noise Management and Dust Management

In 2025, the Tongwei Solar (Pengshan) base systematically advanced special governance for noise and dust. For noise management, the base upgraded its original prevention and control plan, formulating and implementing the *2025 Hearing Protection Program Implementation Plan* to systematically promote the control of occupational noise hazards through seven key elements: measurement, control, PPE, training, physical examinations, records, and evaluation. For dust prevention and control, the base optimized its existing foundation by adopting fully automated dust removal facilities to replace manual operations, significantly reducing the labor intensity of on-site personnel and their exposure to dust hazards, thereby lowering occupational health risks.

During the reporting period, the Company

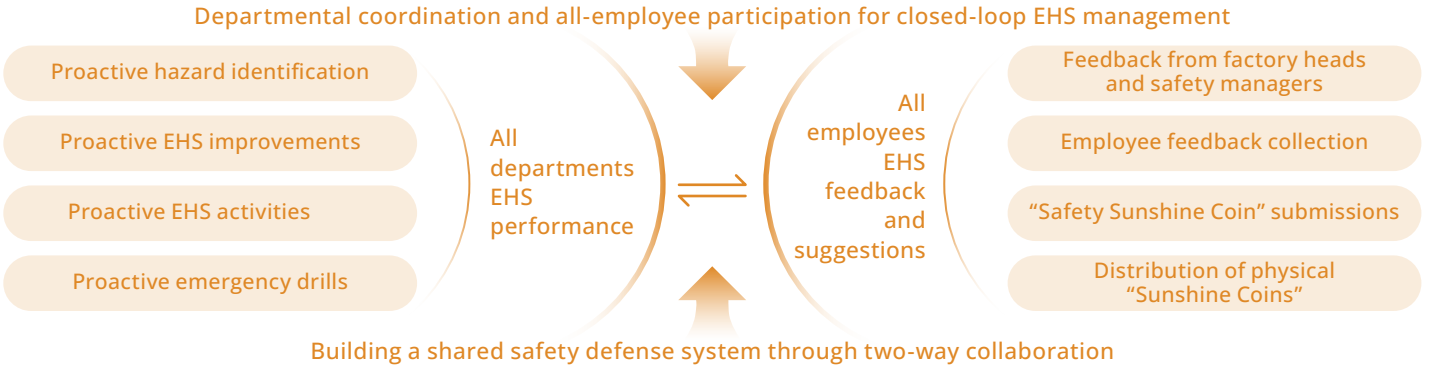
Achieved a coverage rate for occupational health examinations for current employees of **100** %

Employee absence rate[1] was **0.03** %

Safety Culture Development

Tongwei actively implements the all-employee production safety responsibility system, achieving a closed-loop EHS management through departmental coordination and full employee participation. The Company has established safety incentive systems such as the *Safety Hazard Reporting Incentive System*, the *Safety and Environmental Protection Assessment and Incentive System*, and the *Workplace Safety Rewards and Punishment System*. Through departmental EHS performance assessments, annual awards for excellence, "Safety Sunshine Coin" point rewards, and special rewards for activities like hazard identification, safety knowledge quizzes, and debates, the Company promotes a safety management atmosphere of full participation and proactive responsibility.

[1] Absence Rate = (Days of Absence Due to Work-related Injuries / Total Working Days) * 100%



All-employee Participation Process for Safety Development of Tongwei

Million Working-Hours Incentive

Each company sets safety performance assessment standards, which are incorporated into the company's pay ratio accounting, and conducts monthly safety assessments and public announcements based on the standards.

Safety Risk Deposit

Establish an incentive mechanism for safety risk deposits; if there are no safety abnormal accidents in a month, rewards will be given according to multiples of the principal proportion.

Incentive for Hazard Scrutiny and Management

Employees are encouraged to take the initiative to conduct hidden danger investigation and risk assessments, and provide incentives based on the results.

Safety Evaluation

Commend outstanding employees and collectives through safety evaluation activities, and implement rewards in accordance with relevant systems.

Work Safety Incentive Mechanism of Tongwei

The Company has established a multi-level safety training system covering all employees, which includes specialized safety training, training for safety management personnel and team leaders, weekly sharing of safety knowledge, and occupational health and first-aider training. It actively builds a regularized learning-oriented team, continuously enhancing overall safety capabilities through internal learning and knowledge sharing. At the same time, the Company focuses on cultivating professional, tiered safety talent, striving to build a professional team that includes internal trainers, senior engineers, and various registered safety and fire engineers. Furthermore, the Company adheres to benchmarking for improvement, identifies shortcomings with the help of audits from external professional institutions, proactively learns from outstanding enterprises, and applies advanced experience to its safety management practices to promote continuous system improvement.

During the reporting period, the Company

Invested in occupational health and safety
RMB **196.65** million

Conducted occupational health and safety training
11,601 sessions

Number of employees received the training reached
438,911 participants

Social Contribution and Rural Revitalization

According to the *Global Economic Prospects* report released in January 2026, the gap in global living standards is widening, and the World Bank has called on governments to adjust policies and increase investment in technology and education to promote sustainable development. At the same time, the World Bank launched a new philanthropic strategy in 2026, emphasizing that non-profit organizations are no longer just funding providers but partners in systematically solving problems.

Tongwei actively fulfills its corporate citizen responsibilities, deeply integrating public welfare investments into the rural revitalization strategy. It extensively conducts public welfare activities such as knowledge popularization to promote the organic integration and mutual success of social value creation and industrial development.

Philanthropy and Charity

Tongwei continues to improve its social responsibility system and has formulated the *Measures for the Management of External Donations* to promote more standardized and institutionalized fulfillment of its social responsibilities. Through practical actions, the Company demonstrates its corporate commitment and strives to achieve a coordinated development of economic benefits and social value.

During the reporting period, the Company

Total investment in public welfare and charity initiatives reached	Monetary donations amounted to	Value of in-kind donations reached
RMB 4.30 million	RMB 4.21 million	RMB 88.6 thousand

In 2025, Tongwei's various bases will leverage resources such as exhibition halls, intelligent manufacturing workshops, and "Fishery & PV Integration" projects to continuously conduct popular science and research activities on photovoltaics, guiding young people to learn about photovoltaic power generation on-site.

Tongwei Solar (Yancheng) Co., Ltd. Holds a Science Popularization Event Titled "Light of Technology, Illuminating Dreams"

In February 2025, Tongwei Solar (Yancheng) in collaboration with the Youth League Working Committee of the Yancheng Economic and Technological Development Zone, co-hosted the "Light of Technology, Illuminating Dreams"—Science Popularization with You and Me themed event to popularize photovoltaic science and technology among young people. More than 60 people participated in the event, including underprivileged youth from the "Dream Transformation+" program, outstanding student representatives from the Development Zone's "Little Red Seedling" lecture group, and paired league cadres and youth volunteers. During the event, Tongwei Solar (Yancheng) utilized its exhibition hall facilities and outdoor venues to set up sessions for scientific explanations and on-site observation of module products, helping the youth gain a direct understanding of photovoltaic module products and their applications. Base volunteers also led the participating students in creating handmade science projects.

Group Photo from the Event

Visiting the Exhibition Hall at the Yancheng Base

Tongwei Solar Pengshan Company Holds an Environmental Science Popularization Event

During Arbor Day in March 2025, the Party-Mass Volunteer Service Team of Tongwei Solar Pengshan Company worked with Qinglong Primary School in Meishan City to carry out a themed activity titled "Popularizing Green Energy, Planting Dreams of Scientific Innovation." Through storytelling, interactive Q&A sessions, and waste-to-treasure activities, the event transformed abstract energy knowledge into tangible green actions. Activities included an engaging explanation of "How Photovoltaic Power Generation Lights Up Our Lives," a solar energy knowledge quiz, and planting seedlings in pots made from recycled newspapers. At the end of the event, Tongwei Solar Pengshan Company also donated stationery and learning kits to participating students, encouraging them to turn knowledge into action and become "guardians of a green future."

Through its "learning through play" model, the event effectively stimulated students' interest in science and environmental awareness, addressing the lack of practical learning opportunities in the classroom. As a photovoltaic industry practitioner, Tongwei Solar will continue to deepen its cooperation with educational institutions, expand the forms of science outreach activities, uphold the philosophy of "Green Development, Education First," and continue to explore innovative paths for corporate social responsibility.

Popular Science Story and Creative Thinking Activity

Interactive Knowledge Quiz

Tongwei Solar (Chengdu) Receives Multiple Recognitions for its Party-Building Public Welfare and Science Popularization Practices

Guided by Party-building, Tongwei Solar (Chengdu) regularly participates in public welfare initiatives such as "National Civilized Unit Exchange and Co-construction," "Volunteer Tree Planting," and "Green Energy into the Community". It also leverages the Tongwei Photovoltaic Science and Technology Museum and the zero-carbon factory tour route to conduct new energy research and science popularization activities for primary and secondary school students, university faculty and students, and the general public. From its opening in August 2025 to the end of the year, it held over 260 events and received more than 7,800 visitors. During the reporting period, Tongwei Solar (Chengdu) received the following recognitions:

- In May 2025, it was awarded the title of "National Civilized Unit" by the Central Leading Group for Publicity, Ideological and Cultural Work.
- In May 2025, it was designated as a "Photovoltaic Industry Science Outreach and Study Base" by Huangjia Subdistrict, Shuangliu District.
- In September 2025, it was recognized as an "Energy Science Outreach and Education Base" by the China Energy Research Society.
- In November 2025, it is awarded the title of the first batch of "Chengdu Industrial Tourism Innovation Scenarios.

Rural Revitalization

Tongwei actively engages in rural revitalization, responding to the national strategic call and committing to closely integrating corporate development with regional economic growth to achieve mutual benefits and a win-win situation.

During the reporting period, the Company

Total investment in rural revitalization was

RMB **25.36** million

benefiting

18,335 people

Yongxiang Co., Ltd. Supports the Development of Suba Town through Cement Donations, Industrial Support, and Educational Assistance

Yongxiang Co., Ltd. actively responds to the deployment of support initiatives, fulfills its social responsibilities, and systematically carries out assistance work focused on the development needs of Suba Town in Mabian. Focusing on the local public concern for “road access to every village”, the Company has donated a total of 704 tons of cement for the paving and maintenance of village roads. This has effectively improved travel conditions for villagers and helped address the “last mile” challenge in agricultural product transportation, laying a solid transportation foundation for rural development.

In terms of industrial support, the Company organized teams to help connect with e-commerce platforms and supermarket channels to expand sales for specialty agricultural products. It also conducted targeted procurement based on its own corporate needs, with a cumulative value exceeding RMB 100,000, effectively boosting farmers' incomes and the development of the collective economy. Furthermore, the Company places great importance on educational assistance, supporting outstanding and underprivileged local students through the establishment of scholarship funds and provision of special sponsorships, helping them realize their academic dreams and cultivating a sustainable talent pool for the future development of Suba Town.

Yongxiang Donates Cement to Suba Town

Yongxiang Donates Student Grants to Suba Town

Overview of Sustainability Data

Economic Performance

Indicator	Unit	2025	2024
Total assets	RMB 100 million	1,877.79	1,959.17
Net assets attributable to shareholders of listed company	RMB 100 million	388.84	484.56
Operating revenue	RMB 100 million	841.28	919.94
Sustainability-related operating revenue	RMB 100 million	20.21	20.43
Operating cost	RMB 100 million	818.56	861.17
Total tax	RMB 100 million	18.00	26.00

Governance Performance

Indicator	Unit	2025	2024
Members of the Board of directors			
Number of directors	Person	9	9
Executive directors	Person	4	4
Independent directors	Person	3	3
Other non-executive directors	Person	2	2
Board diversity			
Number of female members on the Board	Person	4	3
Anti-corruption			
Dedicated staff for anti-corruption positions	Person	37	38
Nymber of anti-corruption training hours	Hour	161	167
Number of anti-corruption training sessions	Session	173	180
Number of lawsuits arising from corruption and bribery	Case	0	1
Number of anti-corruption training by rank			
Directors	Session	31	9
Managers	Session	143	180
Employees	Session	167	179
Anti-corruption training participants by rank			
Directors	Participant	35	24
Managers	Participant	4,552	3,864
Employees	Participantt	31,342	62,275
Anti-corruption training pass rate by rank			
Directors	%	100	100
Managers	%	100	100
Employees	%	100	100
Monitoring and auditing			
Number of complaints handled	Item	168	222
Handling rate for monitoring and auditing	%	100	100
Times of business ethics audits	Time	104	117
Anti-competition			
Number of lawsuits due to unfair competition	Number	0	0
Amount of money involved in litigation due to unfair competition	RMB 10,000	0	0
Compliance management			
Number of subsidiaries covered by ISO 37301 Compliance Management System	Number	8	6
ISO 37301 Compliance Management System specialised training sessions	Session	1,586	1,539
ISO 37301 Compliance Management System specialised training duration	Hour	793	755
ISO 37301 Compliance Management System specialised training coverage	Participant	89,762	87,158

Environmental Performance[1]

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Greenhouse gas (GHG)										
Total Scope 1 GHG emissions	Megatonnes of CO_2 equivalent	1.80								2.31
Total Scope 2 GHG emissions (market-based)	Megatonnes of CO_2 equivalent	10.35								8.03
Total GHG Scope 2 emissions (location-based)	Megatonnes of CO_2 equivalent	13.93								20.16
Total Scope 3 GHG emissions	Megatonnes of CO_2 equivalent	34.61								33.05
Total GHG emissions at operational level (market-based)	Megatonnes of CO_2 equivalent	12.16								10.35
Total GHG emissions at operational level (location-based)	Megatonnes of CO_2 equivalent	15.73								22.47
Carbon emissions intensity at operational level (market-based)	tCO_2e/RMB million of revenue	144.50								112.46
Carbon emissions intensity at operational level (location-based)	tCO_2e/RMB million of revenue	187.03								244.29
Energy utilisation										
Total comprehensive energy consumption	Tons of standard coal	432.29	176,510.38	3,636.34	3,824,992.28	579,486.61	52,813.05	/	4,637,870.95	4,818,549.98
Comprehensive energy consumption intensity	Tons of standard coal/per RMB 1 million of revenue	55.13								52.38
Renewable electricity consumption	MWh	0.00	19,642.53	4,354.43	18,111,772.66	3,359,142.03	127,078.91	/	21,621,990.55	23,965,269.51

[1] Based on the supplementation and optimisation of the statistical scope, the scope was retrospectively supplemented, and certain data in the 2024 report were retrospectively adjusted.

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Direct energy consumption										
Total direct energy consumption	Tons of standard coal	225.66	66,615.05	221.53	406,652.91	812.62	358.74	/	474,886.50	181,762.66
Bituminous coal	Ton	/	0.00	0.00	110,936.67	0.00	0.00	/	110,936.67	112,418.75
Gasoline	Litre	/	146,637.45	7,238.28	68,018.72	13,987.17	11,034.32	/	246,915.94	254,311.01
Diesel oil	Litre	/	193,769.56	83,080.04	817,183.31	14,292.00	0.00	/	1,108,324.91	1,359,538.98
Biodiesel	Ton	/	2,336.63	0.00	210,195.61	0.00	0.00	/	212,532.24	403.78
Natural gas	Cubic metre	170,309.99	47,306,668.33	53,319.06	14,976,962.00	582,059.20	258,499.38	/	63,347,817.97	70,496,373.15
Liquefied natural gas	Ton	/	0.00	0.00	0.00	0.00	0.00	/	0.00	2,828.66
Liquefied petroleum gas	Ton	/	18.86	11.18	0.00	0.00	0.00	/	30.04	83.02
Indirect energy consumption										
Total indirect energy consumption	Tons of standard coal	206.64	109,895.33	3,414.81	3,418,339.37	578,674.00	52,454.31	/	4,162,984.46	4,636,787.32
Purchased steam	Ton	/	292,924.31	8,164.94	0.00	0.00	0.00	/	301,089.25	299,191.13
Purchased electricity	MWh	1,681.35	587,675.06	19,241.67	27,813,990.00	4,708,494.68	426,804.78	/	33,557,885.54	37,415,063.80
Waste gas pollutants										
Total emissions of waste gas pollutant	Ton	/	32.45	0.00	1,679.20	293.79	80.37	/	2,085.81	425.94
Waste gas pollutant emission intensity	Ton/RMB 1 million of revenue				0.02					0.01
Sulphur dioxide	Ton	/	3.34	0.00	608.43	0.09	0.00	/	611.85	6.25
Nitrogen oxides	Ton	/	21.08	0.00	851.70	54.80	0.00	/	927.58	160.15
Tin and its compounds	Ton	/	0.00	0.00	0.00	0.00	0.00	/	0.00	0.34
Ammonia	Ton	/	0.00	0.00	58.38	111.92	0.00	/	170.29	42.42

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Fluoride	Ton	/	0.00	0.00	0.64	9.92	0.00	/	10.56	11.70
VOCs	Ton	/	0.00	0.00	2.34	56.50	63.72	/	122.55	121.52
Hydrogen chloride	Ton	/	0.00	0.00	23.65	35.98	0.00	/	59.63	18.08
General dust	Ton	/	0.00	0.00	16.10	0.00	0.00	/	16.10	11.39
Particulate matter	Ton	/	8.03	0.00	37.61	23.76	16.65	/	86.05	47.58
Mercury	Ton	/	0.00	0.00	0.00	0.00	0.00	/	0.00	0.00
ODS	Ton	/	0.00	0.00	0.00	0.00	0.00	/	0.00	0.00
Smoke	Ton	/	0.00	0.00	80.35	0.00	0.00	/	80.35	6.50
Sulphuric acid mist	Ton	/	0.00	0.00	0.01	0.82	0.00	/	0.83	0.00
Wastewater pollutants										
Total industrial wastewater discharge	Cubic metre	/	/	894,900.00	2,727,283.88	17,836,778.62	/	/	21,458,962.50	/
Total domestic wastewater discharge	Cubic metre	/	0.00	0.00	122,852.57	166,388.00	287,389.00	/	576,629.57	/
Total discharge of wastewater pollutant	Cubic metre	/	437.76	122.18	363.44	3,974.36	137.68	2,428.81	7,464.23	10,483.17
Intensity of wastewater pollutant discharge	Cubic metre/ RMB 1 million of revenue	0.09								0.06
Chloride	Ton	/	0.00	0.00	232.28	1,651.80	0.00	0.00	1,884.09	2,149.65
CODcr	Ton	/	180.00	29.29	71.77	1,117.64	109.56	1,597.64	3,105.90	2,191.33
BOD5	Ton	/	108.00	10.32	10.42	178.52	0.00	280.75	588.02	428.45
Suspended solids (SS)	Ton	/	144.00	21.00	19.76	379.42	11.36	488.96	1,064.49	741.18
Fluoride	Ton	/	0.00	3.86	5.79	96.55	0.00	0.00	106.21	36.91

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Ammonia nitrogen	Ton	/	5.40	19.98	4.40	240.63	5.85	9.14	285.40	114.18
Total nitrogen	Ton	/	0.00	29.16	17.67	303.18	9.79	49.39	409.18	206.33
Total phosphorus	Ton	/	0.36	8.56	1.34	6.61	1.13	2.95	20.95	20.61
Waste disposal										
Non-hazardous waste										
Total emissions of non-hazardous waste	Ton	/	9,532.56	1,455.89	463,455.10	116,794.80	43,906.65	0.00	635,144.99	426,603.03
Non-hazardous waste emission density	Ton/RMB 1 million of revenue				7.55					4.64
By waste type										
Office waste	Ton	/	9,532.56	1.00	203.50	716.15	0.00	/	10,453.21	7,549.97
Waste slag	Ton	/	/	0.00	321,095.98	81.60	0.00	/	321,177.58	337,871.34
Sludge	Ton	/	/	1,447.34	848.42	54,698.40	0.00	/	56,994.16	25,379.80
Waste wood	Ton	/	/	0.05	3,830.73	2,555.07	17,302.64	/	23,688.49	23,219.66
Waste paper	Ton	/	/	3.00	1,273.32	748.32	10,120.28	/	12,144.92	12,633.16
Waste steel	Ton	/	/	0.00	1,449.72	3.34	0.00	/	1,453.06	633.75
Waste materials	Ton	/	/	1.20	1,460.34	5,441.14	1,542.92	/	8,445.60	2,434.88
Waste metal	Ton	/	/	3.30	1,042.35	206.32	1,512.97	/	2,764.94	4,964.62
Other non-hazardous waste	Ton	/	/	0.00	132,250.74	52,344.46	13,427.84	/	198,023.04	11,915.85
By disposal method										
Landfill	Ton	/	0.00	0.00	67,275.52	0.00	0.00	/	67,275.52	0.00
Incineration (with energy recovery)	Ton	/	0.00	0.00	2,379.12	0.00	0.00	/	2,379.12	0.00

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Incineration (without energy recovery)	Ton	/	0.00	0.00	78.32	80.44	0.00	/	158.76	0.00
Recycling	Ton	/	7,912.22	1,455.89	393,469.14	113,346.69	43,004.80	/	559,188.74	418,316.37
Recycling rate	%				88.04					98.06
Other methods	Ton	/	0.00	0.00	253.00	0.00	0.00	/	253.00	0.00
Unknown	Ton	/	1,620.33	0.00	0.00	1,727.54	901.85	/	4,249.72	8,286.66
Hazardous waste										
Total emissions of hazardous waste	Ton	/	0.00	2.92	1,301.38	756.20	416.20	0.00	2,476.70	3,331.14
Hazardous waste emission intensity	Ton/RMB 1 million of revenue				0.03					0.03
By waste type										
Waste organic solvents and waste containing organic solvents	Ton	/	0.00	0.00	8.61	14.18	11.93	0.00	34.72	11.73
Waste acid	Ton	/	0.00	0.90	474.41	54.02	0.00	0.00	529.33	440.28
Waste alkali	Ton	/	0.00	0.00	4.30	11.39	0.00	0.00	15.69	0.74
Waste mineral oil and waste containing mineral oil	Ton	/	0.00	2.01	149.55	38.14	2.62	0.00	192.31	206.53
High-radioactive wastes	Ton	/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other hazardous wastes	Ton	/	0.00	0.01	664.50	638.47	401.65	0.00	1,704.64	2,359.27
By disposal method										
Landfill	Ton	/	0.00	0.00	4.30	195.64	0.00	0.00	199.94	0.00
Incineration (with energy recovery)	Ton	/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,018.54
Incineration (without energy recovery)	Ton	/	0.00	0.00	321.69	421.34	0.00	0.00	743.03	0.00

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Other treatment methods such as physical/chemical treatment	Ton	/	0.00	0.00	814.61	125.79	0.00	0.00	940.41	0.00
Unknown	Ton	/	0.00	2.92	30.38	0.00	416.20	0.00	449.50	0.00
Water resource utilisation										
Total water withdrawal	Ton	/	1,983,480.00	894,900.00	27,399,430.31	25,439,610.85	910,585.00	15,142.62	56,643,148.78	64,446,114.91
Water withdrawal – municipal water supply	Ton	/	1,983,480.00	166,280.00	20,269,714.31	25,430,796.85	910,585.00	15,142.62	48,775,998.78	62,750,138.41
Water withdrawal – surface water	Ton	/	0.00	0.00	6,781,716.00	0.00	0.00	0.00	6,781,716.00	/
Water withdrawal – groundwater	Ton	/	0.00	589,849.00	0.00	0.00	0.00	0.00	589,849.00	/
Water withdrawal – others	Ton	/	0.00	138,771.00	348,000.00	8,814.00	0.00	0.00	495,585.00	1,695,976.50
Total water consumption	Ton	/	1,983,480.00	0.00	24,260,619.98	6,645,862.03	483,976.00	15,142.62	33,389,080.63	40,705,013.84
Water consumption intensity	Ton/RMB 1 million of revenue	396.88								442.47
Percentage of recycled and reused water usage	%	98.42								98.04
Percentage of water use from alternative sources	%	5.15								2.63
Ultrapure water usage	Cubic metre	/	0.00	0.00	3,140,642.67	0.00	0.00	0.00	3,140,642.67	15,023,143.92
Total water discharge	Ton	/	0.00	894,900.00	3,138,810.33	18,793,748.82	426,609.00	0.00	23,254,068.15	24,660,316.17
Packaging material										
Total packaging materials used	Ton	/	21,502.00	2,641.25	1,189,405.29	17,671.79	117,862.50	0.00	1,349,082.84	114,862.39
Packaging material usage intensity	Ton/RMB 1 million of revenue	16.04								1.25
Paper	Ton	/	3.50	1,894.18	9,496.29	2,979.64	28,571.79	0.00	42,945.41	11,895.68

Indicator	Unit	2025								Total in 2024
		Tongwei (Headquarters)	Tongwei Agricultural Development	Tongwei Food	Tongwei Yongxiang	Tongwei Solar	Tongwei Solar Technology	Tongwei New Energy	Total	
Glass	Ton	/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76
Plastics	Ton	/	21,498.50	747.08	844,694.35	11,327.48	30,757.12	0.00	909,024.53	95,688.92
Others	Ton	/	0.00	0.00	335,214.65	3,364.67	58,533.58	0.00	397,112.90	7,274.16
Environmental management training										
Number of environmental management training	Session	/	14	7	30	63	12	0	126	71
Environmental management training attendance	Person-time	/	700	213	15,188	25,177	1,630	0	42,908	18,100
Total hours of environmental management training	Hour	/	700.00	426.00	18,642.75	63,136.00	2,400.00	0.00	85,304.75	24,663.50
Environmental investment returns										
Environmental capital expenditure	RMB 10,000	74,676.56								54,284.06
Environmental operating expenditure	RMB 10,000	37,149.91								70,230.40
Costs[1] avoided and saved through energy conservation and environmental protection projects	RMB 10,000	67,907.58								33,011.56
Environmental investment	RMB 100 million	11.18								12.45

[1] Costs avoided and saved through energy conservation and environmental protection projects refer to the total cost reductions achieved during the reporting period through the implementation of such projects, comprising the direct reduction in expenditure on energy and resource consumption, the avoidance of potential environmental compliance costs, and tax relief and other incentives received.

Social Performance

Issue	Indicator	Unit	2025	2024
Employment structure	Total employees	Person	44,798	55,724
	By employment types			
	Formal employment	Person	44,422	55,071
	Labour (part-time)	Person	178	167
	Labour (full-time)	Person	48	42
	Intern	Person	117	302
	Labor dispatch workers	Person	3	110
	Others	Person	30	32
	By age group			
	30 and below	Person	15,863	23,846
	31 to 50	Person	26,181	29,242
	51 and above	Person	2,754	2,636
	By educational background			
	Below bachelor's degree	Person	31,848	41,284
	Bachelor's degree	Person	11,675	13,265
	Master's degree	Person	1,216	1,131
	Doctor's degree	Person	59	44
	By gender			
	Male employees	Person	33,924	42,159
	Female employees	Person	10,874	13,565
	By geographic region			
	China (including Hong Kong, Macao and Taiwan Region of China)	Person	43,303	54,591
	Overseas	Person	1,495	1,133
Employment structure	**By rank**			
	General employee	Person	41,631	52,096
	Junior management	Person	2,350	2,820
	Middle management	Person	684	675
	Senior management	Person	133	133
R&D personnel	Total R&D personnel	Person	4,404	5,277
	Percentage of R&D personnel	%	9.83	9.47
	By educational background			
	Below bachelor's degree	Person	1,624	2,258
	Bachelor's degree	Person	2,164	2,474
	Master's degree	Person	570	516
	Doctor's degree	Person	46	29
	By gender			
	Male employees	Person	3,498	4,259
	Female employees	Person	906	1,018
Diversity and equal opportunity	**Employee diversity**			
	Total number of ethnic minority employees	Person	3,046	3,078
	Total number of employees with disabilities	Person	399	469
	Percentage of female employees	%	24.27	24.34
	Number of women in management			
	All management	Person	604	700
	Junior management	Person	496	605
	Middle management	Person	92	83
	Senior management	Person	16	12

Issue	Indicator	Unit	2025	2024
Diversity and equal opportunity	**Percentage of women in management position**			
	Percentage in all management levels	%	19.07	19.29
	Percentage in junior management	%	21.11	21.45
	Percentage in middle management	%	13.45	12.30
	Percentage in senior management	%	12.03	9.02
	Women in revenue-generating departments			
	Percentage of women in management position in revenue-generating departments	%	6.50	19.23
	Women in STEM positions			
	Percentage of women in STEM positions	%	23.85	32.17
	Pay equality			
	Ratio of average hourly pay for female employees to male employees	%	120.37	/
	Ratio of median hourly wage for female employees to median hourly wage for male employees	%	89.23	/
Employee recruitment management	Total number of new employees (including those who have left the company)	Person	9,577	12,453
	Percentage of vacant positions filled by internal candidates (internal recruitment)	%	28.04	35.70
	Average recruitment cost per employee	RMB	262.42	8,353.61
	By gender			
	Male	Person	7,825	10,169
	Female	Person	1,752	2,284

Issue	Indicator	Unit	2025	2024
Employee recruitment management	**By age group**			
	30 and below	Person	4,964	7,227
	31 to 50	Person	4,452	5,111
	51 and above	Person	161	115
	By geographical region			
	China (including Hong Kong, Macao and Taiwan Region of China)	Person	9,342	12,296
	Overseas	Person	235	157
	By rank			
	General employee	Person	9,471	12,166
	Junior management	Person	81	250
	Middle management	Person	19	28
	Senior managementSenior management	Person	6	9
Employee training and development	**Number of employees trained**			
	Total number of employees trained	Person	52,860	56,542
	Total sessions of employee trained	Person	66,754	75,945
	Percentage of employees trained	%	97.00	98.00
	By gender			
	Male	Person	40,767	43,764
	Female	Person	12,093	12,778
	By rank			
	General employee	Person	49,925	52,769
	Junior management	Person	2,205	2,948

Issue	Indicator	Unit	2025	2024
Employee training and development	**By rank**			
	Middle management	Person	598	688
	Senior management	Person	132	138
	Employee training hours			
	Average training hours per employee	Hour	57.05	82.03
	By gender			
	Male	Hour	44.88	72.55
	Female	Hour	44.94	67.30
	By rank			
	General employee	Hour	47.31	62.41
	Junior management	Hour	68.13	196.89
	Middle management	Hour	81.15	192.02
	Senior management	Hour	93.08	210.97
	Employee training expenditure			
	Average employee training expenditure	RMB	262.42	484.60
	Employee career development			
	Percentage of employees receiving regular performance and career development evaluation	%	100	99.00
Employees' rights and interests protection	Coverage rate of supplementary insurance	%	100	100
	Rate of employees covered by social security	%	100	100
	Number of labour lawsuits	Cases	31	33
	Rate of employees signing labor contracts	%	100	100
	Percentage of employees covered by collective agreements signed with the trade union	%	100	100

Issue	Indicator	Unit	2025	2024
Employee satisfaction	Rate of employee satisfaction survey participation	%	95.00	95.00
	Employee satisfaction	%	95.00	95.00
Occupational health and safety	Work-related injury incidents	Incident	113	/
	Number of workdays lost due to work-related injuries	Day	4,552	2,876
	Work-related injury rate per 200,000 hours worked	-	0.19	0.13
	Number of employees covered by health examinations	Person	42,053	49,895
	Number of OHS training sessions conducted	Session	11,601	13,106
	Number of OHS training participants	Person-time	438,911	64,648
	Total OHS training hours	Hour	197,352.00	738,921.00
	Number of fire drills conducted	Session	3,135	5,008
	Participants of fire drills	Person-time	65,145	80,351
	Amount spent on work-related injury insurance	RMB 10,000	1,372.61	1,777.36
	Percentage of employees covered by work-related injury insurance	%	100	100
	Amount spent on work safety liability insurance	RMB 10,000	203.02	204.70
R&D and innovation	**Technology R&D**			
	R&D expenditure	RMB 100 million	22.07	26.73
	R&D expenditure as a percentage of operating revenue	%	2.62	2.91
	Patents of invention	Number	130	183
	Patents for utility model	Number	870	454
	Applications for patents for inventions	Number	642	340

Issue	Indicator	Unit	2025	2024
R&D and innovation	**Technology R&D**			
	Applications for patents for utility model	Number	1,151	982
	Cumulative number of invention patents held	Person	686	/
	Cumulative number of utility model patents held	Person	3,175	/
	Innovation incentives			
	Total number of people who received rewards due to patents in the reported year	Person	1,508	2,077
	Total amount of rewards received due to patents in the reported year	RMB 10,000	526	534
Social welfare	**Rural revitalisation**			
	Total investment in rural revitalisation	RMB 10,000	2,536.28	2,188.97
	Charitable donations			
	Total social donations	RMB 10,000	429.78	297.70
Information security	Information security training sessions	Session	42	39
	Information security trainees	Person-time	26,187	9,298
	Confirmed information security incidents	Time or Item	0	0
	Customer privacy breach incidents	Time or Item	0	0
Structure of suppliers	**Suppliers**			
	Total number of suppliers	Number	5,416	5,269
	Total number of suppliers in China (including Hong Kong, Macao, and Taiwan Region of China)	Number	4,995	4,745
	Total number of suppliers outside China	Number	421	524
Structure of suppliers	**Supplier screening (photovoltaics manufacturing segment)**			
	Percentage of new suppliers that were screened using environmental criteria	%	100	/
	Percentage of new suppliers that were screened using social criteria	%	100	/
	Supplier assessment (photovoltaics manufacturing segment)			
	Percentage of significant suppliers assessed[1]	%	100	/
	Number of suppliers assessed with significant actual or potential negative impacts	Number	0	/
	Percentage of suppliers with significant actual or potential negative impacts for whom corrective action or improvement plans have been developed	%	100	/
	Number of suppliers whose partnerships were terminated due to significant actual or potential negative impacts	Number	0	/
	Percentage of assessed suppliers with significant actual or potential negative impacts that received support in implementing corrective action plans	%	100	/
	Supplier capacity building (photovoltaics manufacturing segment)			
	Percentage of significant suppliers participating in capacity building projects	%	100	/
Product quality and safety	Number of administrative penalty incidents due to the safety and quality issues of products and services	Number	0	0
	Amount of administrative penalties due to the safety and quality issues of products and services	RMB 10,000	0	0

[1] It refers to the number of independent key suppliers that had undergone ESG assessments (including both desk-based and on-site assessments) as at the end of the reporting period ("independent" meaning that the number of suppliers must be calculated on a unique legal entity basis).

Issue	Indicator	Unit	2025	2024
Product quality and safety	Frequency of internal audits of the Company's quality management system	Time	105	116
	Frequency of third-party audits regarding product quality and safety issues	Time	99	86
	Number of product recalls	Time	0	0
	Quantity of recalled products	Items or Ton	0	0
	Product quality training sessions	Time	11,147	8,112
	Employee participated product quality training	Person-time	241,596	56,668
	Total hours of product quality training sessions	Hour	103,350.10	74,836.20
Protection of client rights and interests	Reaction rate of customer complaints	%	100	100
	Sales satisfaction rate	%	95.92	96.96
	Customer satisfaction rate	%	96.15	96.29
	Aftersales service satisfaction rate	%	97.34	98.15
Responsible marketing	Incidents of non-compliance concerning product and service information and labelling	Incident	0	0
	Incidents of non-compliance concerning marketing communications	Incident	0	0
	Number of responsible marketing training sessions	Session	1,173	1,312
	Number of responsible marketing training participants	Person-time	52,691	45,912
	Total responsible marketing training hours	Hour	10,631.50	2,494.00

Other Designations

Designation	Definition
Tongwei, the Company, We	Tongwei Co., Ltd.
Tongwei Group	Tongwei Group Co., Ltd.
Tongwei Agricultural Development	The collective name of Tongwei Agricultural Development Co., Ltd., Sichuan Tongwei Feed Co., Ltd., Tongwei (Dafeng) Feed Co., Ltd., Tianjin Tongwei Feed Co., Ltd., and Foshan Gaoming Tongwei Feed Co., Ltd., etc.
Tongwei Food	The collective name of Tongwei Chunyuan Food Co., Ltd., Tongwei (Chengdu) Aquatic Food Co., Ltd., Tongwei (Hainan) Aquatic Food Co., Ltd., Chengdu Xintaifeng Agricultural Development Co., Ltd., etc.
Tongwei Yongxiang	The collective name of Yongxiang Co., Ltd., Sichuan Yongxiang Polysilicon Co., Ltd., Sichuan Yongxiang New Energy Co., Ltd., Inner Mongolia Tongwei High Purity Crystal Silicon Co., Ltd., Yunnan Tongwei High Purity Crystal Silicon Co., Ltd., Sichuan Yongxiang Silicon Materials Co., Ltd., and Sichuan Yongxiang Photovoltaic Technology Co., Ltd., etc.
Tongwei Solar	The collective name of Tongwei Solar Energy Co., Ltd., Tongwei Solar (Anhui) Co., Ltd., Tongwei Solar (Chengdu) Co., Ltd., Tongwei Solar (Meishan) Co., Ltd., Tonghe Solar (Jintang) Co., Ltd., Tongwei Solar (Jintang) Co., Ltd., Tongwei Solar (Pengshan) Co., Ltd., etc.
Tongwei Solar Technology / Tongwei Modules	The collective name of Tongwei Solar (Hefei) Co., Ltd., Tongwei Solar Energy (Sichuan) Co., Ltd., Tongwei Solar Energy (Yancheng) Co., Ltd., Tongwei Solar Energy (Nantong) Co., Ltd., and Tongwei Solar Energy Technology Co., Ltd., etc.
Tongwei New Energy	The collective name of Tongwei New Energy Co., Ltd., Tongwei New Energy (Shenzhen) Co., Ltd., Tongwei New Energy Technology (Beijing) Co., Ltd., and Sichuan Yuguang IoT Technology Co., Ltd., etc.
Tongwei Agriculture and Animal Husbandry Industry / Agri culture and Animal Husbandry Sector	Branches and subsidiaries of the Tongwei Agricultural Development and Tongwei Food.
Tongwei Photovoltaic Industry / Photovoltaic Sector	Branches and subsidiaries of the Tongwei Yongxiang, Tongwei Solar, Tongwei Modules, and Tongwei New Energy.
Tongwei Photovoltaic Manufacturing Industry / Photovoltaic(PV) Manufacturing Sector	Branches and subsidiaries of the Tongwei Yongxiang, Tongwei Solar, and Tongwei Modules.

Reference Index Table

Index Table for the *Guidelines No.14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies-Sustainability Report (Trial)*

Dimension	Topic	Corresponding Article	Corresponding Chapter
Environment	Climate Change Tackling	Articles 21 to 28	Response to Climate Change
	Pollutant Discharge	Article 30	Pollution and Waste Management
	Waste Disposal	Article 31	Pollution and Waste Management
	Ecosystem and Biodiversity Protection	Article 32	Ecosystem and Biodiversity Conservation
	Environmental Compliance Management	Article 33	Environmental Compliance Management
	Energy Usage	Article 35	Energy Management
	Usage of Water Resources	Article 36	Water Stewardship
	Circular Economy	Article 37	Pollution and Waste Management
Society	Rural Revitalization	Article 39	Social Contribution and Rural Revitalization
	Contributions to the Society	Article 40	Social Contribution and Rural Revitalization
	Innovation-driven	Article 42	Innovation-driven Development
	Ethics of Science and Technology	Article 43	Innovation-driven Development
	Supply Chain Security	Article 45	Sustainable Supply Chain Management
	Equal Treatment to Small and Medium-sized Enterprises	Article 46	Protection of Customer Rights and Interests
	Safety and Quality of Products and Services	Article 47	Product Quality and Safety
	Data Security and Customer Privacy Protection	Article 48	Information Security and Privacy Protection
	Employees	Article 50	Employees' Rights and Interests Protection, Talent Attraction and Development, Employee Care and Communication, Occupational Health & Safety
Sustainability-related Governance	Due Diligence	Article 52	Sustainable Development Due Diligence
	Communications with Stakeholders	Article 53	Stakeholder Communication
	Anti-commercial Bribery and Anti-corruption	Article 55	Business Ethics
	Anti-unfair Competition	Article 56	Business Ethics

GRI *Sustainability Reporting Standards* (2021) Index

Statement of Use

Tongwei Co., Ltd. has prepared the Tongwei 2025 ESG and Sustainability Report with reference to the GRI Standards for the period from January 1, 2025 to December 31, 2025.

GRI 1 Used

GRI 1:
Foundation 2021

GRI Standard	Disclosure	Location
GRI 2: General Disclosures 2021	2-1 Organizational details	About Tongwei
	2-2 Entities included in the organization's sustainability reporting	Basis of Preparation
	2-3 Reporting period, frequency and contact point	Basis of Preparation
	2-4 Restatements of information	Basis of Preparation
	2-5 External assurance	Third-Party Assurance Report
	2-6 Activities, value chain and other business relationships	About Tongwei
	2-7 Employees	Employees' Rights and Interests Protection, Overview of Sustainability Data
	2-8 Workers who are not employees	Overview of Sustainability Data
	2-9 Governance structure and composition	Corporate Governance
	2-10 Nomination and selection of the highest governance body	Corporate Governance
	2-11 Chair of the highest governance body	Corporate Governance
	2-12 Role of the highest governance body in overseeing the management of impacts	Sustainable Development Management System, Corporate Governance
	2-13 Delegation of responsibility for managing impacts	Sustainable Development Management System, Corporate Governance
	2-14 Role of the highest governance body in sustainability reporting	Sustainable Development Management System, Corporate Governance
	2-15 Conflicts of interest	Corporate Governance, Business Ethics
	2-16 Communication of critical concerns	Stakeholder Communication
	2-17 Collective knowledge of the highest governance body	Sustainable Development Management System, Corporate Governance
	2-18 Evaluation of the performance of the highest governance body	Sustainable Development Management System, Corporate Governance
	2-19 Remuneration policies	Corporate Governance
	2-20 Process to determine remuneration	Corporate Governance
	2-21 Annual total compensation ratio	/
	2-22 Statement on sustainable development strategy	Sustainable Development Management System
	2-23 Policy commitments	See Relevant Chapters
	2-24 Embedding policy commitments	Sustainable Development Management System
	2-25 Processes to remediate negative impacts	See Relevant Chapters
	2-26 Mechanisms for seeking advice and raising concerns	Stakeholder Communication, Business Ethics

GRI Standard	Disclosure	Location
GRI 2: General Disclosures 2021	2-27 Compliance with laws and regulations	See Relevant Chapters
	2-28 Membership associations	About Tongwei
	2-29 Approach to stakeholder engagement	Stakeholder Communication, Investor Relations
	2-30 Collective bargaining agreements	Employee Care and Communication
GRI 3: Material Topics 2021	3-1 Process to determine material topics	Assessment of Double Materiality Issues
	3-2 List of material topics	Assessment of Double Materiality Issues
	3-3 Management of material topics	Assessment of Double Materiality Issues
GRI 101: Biodiversity 2024	101-1 Policies to halt and reverse biodiversity loss	Ecosystem and Biodiversity Conservation
	101-2 Management of biodiversity impacts	Ecosystem and Biodiversity Conservation
	101-3 Access and benefit-sharing	Not Applicable
	101-4 Identification of biodiversity impacts	Ecosystem and Biodiversity Conservation
	101-5 Locations with biodiversity impacts	Ecosystem and Biodiversity Conservation
	101-6 Direct drivers of biodiversity loss	Not Applicable
	101-7 Changes to the state of biodiversity	Not Applicable
	101-8 Ecosystem services	Ecosystem and Biodiversity Conservation

GRI Standard	Disclosure	Location
GRI 201: Economic Performance 2016	201-1 Direct economic value generated and distributed	About Tongwei
	201-2 Financial implications and other risks and opportunities due to climate change	Response to Climate Change
	201-3 Defined benefit plan obligations and other retirement plans	Talent Attraction and Development
	201-4 Financial assistance received from government	/
GRI 202: Market Presence 2016	202-1 Ratios of standard entry level wage by gender compared to local minimum wage	/
	202-2 Proportion of senior management hired from the local community	/
GRI 203: Indirect Economic Impacts 2016	203-1 Infrastructure investments and services supported	Social Contribution and Rural Revitalization
	203-2 Significant indirect economic impacts	Social Contribution and Rural Revitalization
GRI 204: Procurement Practices 2016	204-1 Proportion of spending on local suppliers	/
GRI 205: Anti-corruption 2016	205-1 Operations assessed for risks related to corruption	Business Ethics
	205-2 Communication and training about anti-corruption policies and procedures	Business Ethics
	205-3 Confirmed incidents of corruption and actions taken	Business Ethics, Overview of Sustainability Data

GRI Standard	Disclosure	Location
GRI 206: Anti-competitive Behavior 2016	206-1 Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Business Ethics, Overview of Sustainability Data
GRI 207: Tax 2019	207-1 Approach to tax	Compliance and Risk Management
	207-2 Tax governance, control, and risk management	Compliance and Risk Management
	207-3 Stakeholder engagement and management of concerns related to tax	Compliance and Risk Management
	207-4 Country-by-country reporting	/
GRI 301: Materials 2016	301-1 Materials used by weight or volume	Pollution and Waste Management, Overview of Sustainability Data
	301-2 Recycled input materials used	Pollution and Waste Management
	301-3 Reclaimed products and their packaging materials	Pollution and Waste Management
GRI 302: Energy 2016	302-1 Energy consumption within the organization	Energy Management, Overview of Sustainability Data
	302-2 Energy consumption outside of the organization	Overview of Sustainability Data
	302-3 Energy intensity	Energy Management, Overview of Sustainability Data
	302-4 Reduction of Energy Consumption	Energy Management
	302-5 Reductions in energy requirements of products and services	Energy Management
GRI 303: Water and Effluents 2018	303-1 Interactions with water as a shared resource	Water Stewardship
	303-2 Management of water discharge-related impacts	Water Stewardship
	303-3 Water withdrawal	Water Stewardship, Overview of Sustainability Data
	303-4 Water discharge	Water Stewardship, Overview of Sustainability Data
	303-5 Water consumption	Water Stewardship, Overview of Sustainability Data
GRI 305: Emissions 2016	305-1 Direct (Scope 1) GHG emissions	Response to Climate Change, Overview of Sustainability Data
	305-2 Energy indirect (Scope 2) GHG emissions	Response to Climate Change, Overview of Sustainability Data
	305-3 Other indirect (Scope 3) GHG emissions	Response to Climate Change, Overview of Sustainability Data
	305-4 GHG emissions intensity	Response to Climate Change, Overview of Sustainability Data
	305-5 Reduction of GHG emissions	Response to Climate Change
	305-6 Emissions of ozone-depleting substances (ODS)	Not Applicable
	305-7 Nitrogen oxides (NO_x), sulfur oxides (SO_x), and other significant air emissions	Pollution and Waste Management, Overview of Sustainability Data
GRI 306: Waste 2020	306-1 Waste generation and significant waste-related impacts	Pollution and Waste Management

GRI Standard	Disclosure	Location
GRI 2: General Disclosures 2021	306-2 Management of significant waste-related impacts	Pollution and Waste Management
	306-3 Waste generated	Pollution and Waste Management, Overview of Sustainability Data
	306-4 Waste diverted from disposal	Pollution and Waste Management, Overview of Sustainability Data
	306-5 Waste directed to disposal	Pollution and Waste Management, Overview of Sustainability Data
GRI 308: Supplier Environmental Assessment 2016	308-1 New suppliers that were screened using environmental criteria	Overview of Sustainability Data
	308-2 Negative environmental impacts in the supply chain and actions taken	Sustainable Supply Chain Management
GRI 401: Employment 2016	401-1 New employee hires and employee turnover	/
	401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	Talent Attraction and Development, Employee Care and Communication
	401-3 Parental leave	/
GRI 402: Labor/Management Relations 2016	402-1 Minimum notice periods regarding operational changes	/
GRI 403: Occupational Health and Safety 2018	403-1 Occupational health and safety management system	Occupational Health & Safety
GRI 403: Occupational Health and Safety 2018	403-2 Hazard identification, risk assessment, and incident investigation	Occupational Health & Safety
	403-3 Occupational health services	Occupational Health & Safety
	403-4 Worker participation, consultation, and communication on occupational health and safety	Occupational Health & Safety
	403-5 Worker training on occupational health and safety	Occupational Health & Safety
	403-6 Promotion of worker health	Occupational Health & Safety
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Occupational Health & Safety
	403-8 Workers covered by an occupational health and safety management system	Occupational Health & Safety
	403-9 Work-related injuries	Occupational Health & Safety
	403-10 Work-related ill health	Occupational Health & Safety
GRI 404: Training and Education 2016	404-1 Average hours of training per year per employee	Talent Attraction and Development, Overview of Sustainability Data
	404-2 Programs for upgrading employee skills and transition assistance programs	Talent Attraction and Development
	404-3 Percentage of employees receiving regular performance and career development reviews	Talent Attraction and Development, Overview of Sustainability Data
GRI 405: Diversity and Equal Opportunity 2016	405-1 Diversity of governance bodies and employees	Corporate Governance, Employees' Rights and Interests Protection, Overview of Sustainability Data

GRI Standard	Disclosure	Location
GRI 405: Diversity and Equal Opportunity 2016	405-2 Ratio of basic salary and remuneration of women to men	Employees' Rights and Interests Protection, Overview of Sustainability Data
GRI 406: Non-discrimination 2016	406-1 Incidents of discrimination and corrective actions taken	Employees' Rights and Interests Protection
GRI 407: Freedom of Association and Collective Bargaining 2016	407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Employees' Rights and Interests Protection, Sustainable Supply Chain Management
GRI 408: Child Labor 2016	408-1 Operations and suppliers at significant risk for incidents of child labor	Employees' Rights and Interests Protection, Sustainable Supply Chain Management
GRI 409: Forced or Compulsory Labor 2016	409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Employees' Rights and Interests Protection, Sustainable Supply Chain Management
GRI 410: Security Practices 2016	410-1 Security personnel trained in human rights policies or procedures	/
GRI 411: Rights of Indigenous Peoples 2016	411-1 Incidents of violations involving rights of indigenous peoples	Not Applicable

GRI Standard	Disclosure	Location
GRI 413: Local Communities 2016	413-1 Operations with local community engagement, impact assessments, and development programs	Community Contribution and Rural Revitalization
	413-2 Operations with significant actual and potential negative impacts on local communities	/
GRI 414: Supplier Social Assessment 2016	414-1 New suppliers that were screened using social criteria	Overview of Sustainability Data
	414-2 Negative social impacts in the supply chain and actions taken	Sustainable Supply Chain Management
GRI 415: Public Policy 2016	415-1 Political contributions	Not Applicable
GRI 416: Customer Health and Safety 2016	416-1 Assessment of the health and safety impacts of product and service categories	Product Quality and Safety
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	Product Quality and Safety, Overview of Sustainability Data
GRI 417: Marketing and Labeling 2016	417-1 Requirements for product and service information and labeling	Protection of Customer Rights and Interests
	417-2 Incidents of non-compliance concerning product and service information and labeling	Protection of Customer Rights and Interests, Overview of Sustainability Data
	417-3 Incidents of non-compliance concerning marketing communications	Protection of Customer Rights and Interests, Overview of Sustainability Data
GRI 418: Customer Privacy 2016	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	Information Security and Privacy Protection

IFRS S2 Recommended Disclosure Index

Recommended Disclosure		Report Section
Governance	Disclose the governance body(s) (which can include a board, committee or equivalent body charged with governance) or individual(s) responsible for oversight of climate-related risks and opportunities.	Response to Climate Change - Governance
	Disclose the management's role in the governance processes, controls, and procedures used to monitor, manage, and oversee climate-related risks and opportunities.	Response to Climate Change - Governance
Strategy	Disclose the climate-related risks and opportunities that could reasonably be expected to affect the entity's prospects.	Response to Climate Change - Strategy
	Disclose the current and anticipated effects of climate-related risks and opportunities on the entity's business model and value chain.	Response to Climate Change - Strategy
	Disclose the effects of climate-related risks and opportunities on the entity's strategy and decision-making, including information about its climate-related transition plan.	Response to Climate Change - Strategy
	Disclose the effects of climate-related risks and opportunities on the entity's financial position, financial performance, and cash flows for the reporting period, and their anticipated effects on the entity's financial position, financial performance, and cash flows over the short, medium, and long term, taking into consideration how those climate-related risks and opportunities have been factored into the entity's financial planning.	Response to Climate Change - Strategy
	Disclose the resilience of the entity's strategy and its business model to climate-related changes, developments, and uncertainties, taking into consideration the entity's identified climate-related risks and opportunities.	Response to Climate Change - Strategy
Risk Management	Disclose the processes and related policies the entity uses to identify, assess, prioritize, and monitor climate-related risks.	Response to Climate Change - Impact, Risk, and Opportunity Management
	Disclose the processes the entity uses to identify, assess, prioritize, and monitor climate-related opportunities, including information about whether and how the entity uses climate-related scenario analysis to inform its identification of climate-related opportunities.	Change - Impact, Risk, and Opportunity Management
	Disclose the extent to which, and how, the processes for identifying, assessing, prioritizing, and monitoring climate-related risks and opportunities are integrated into and inform the entity's overall risk management process.	Response to Climate Change - Impact, Risk, and Opportunity Management
Metrics and Targets	Disclose information relevant to the cross-industry metric categories.	Response to Climate Change - Metrics and Targets Overview of Sustainability Data
	Disclose industry-based metrics that are associated with the particular business models, activities, or other common features that characterize participation in an industry.	Energy Management - Strategy, Impact, Risk, and Opportunity Management, Metrics and Targets Water Stewardship - Strategy, Impact, Risk, and Opportunity Management, Metrics and Targets Overview of Sustainability Data
	Disclose the targets set by the entity to mitigate or adapt to climate-related risks or take advantage of climate-related opportunities, and any targets it is required to meet by law or regulation, including metrics used by the governance body or management to measure progress toward these targets.	Response to Climate Change - Metrics and Targets

Third-party Assurance Report

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Independent Assurance Statement

Introduction

TÜV Rheinland (Shanghai) Co., Ltd., a member of TÜV Rheinland Group (hereinafter "TÜV Rheinland" or "We"), was entrusted by Tongwei Co., Ltd. (hereinafter "Tongwei" or "the Company") to conduct an independent third-party assurance of its 2025 Environmental, Social and Corporate Governance Report（Sustainability Report）(hereinafter "Report"). The Report disclosed Tongwei's sustainability information for the fiscal year 2025 (from 1 January 2025 to 31 December 2025).

Responsibilities

Tongwei is not only responsible for the preparation of sustainability report and the collection and reporting of sustainability information in accordance with applicable reporting standards but also has the obligation to implement and maintain effective internal control of information and data to support the report compilation process.

TÜV Rheinland implements sustainability information assurance activities under a quality management system that complies with the requirements of the ISO/IEC 17029:2019 Standard and adheres to the TÜV Rheinland Global Code of Ethics and Compliance Program. Our assurance service follows the principles of independence and impartiality and does not participate in the preparation of the Report of Tongwei. The assurance project was implemented by a team with expertise and assurance experience in the corresponding sustainability issues. The role of TÜV Rheinland is to carry out independent assurance work in accordance with the assurance agreement and the agreed scope of assurance work, and to make independent and impartial professional judgments on sustainability reporting.

Assurance Standard

TÜV Rheinland undertook assurance work for the sustainability information disclosed in the Report of Tongwei in accordance with the AccountAbility AA1000 Assurance Standard v3 (AA1000AS v3), Type-1 and Moderate level.

Assurance Objectives

The purpose of the assurance was to provide management of Tongwei, and stakeholders concerned with the company's sustainability information and performance with an independent view of the assurance, including that we review and assess the content of the report adherence to the AA1000AP (2018) Assurance Principles (including inclusivity, materiality, responsiveness and impact).

Assurance Criteria

The following assessment criteria (including reporting frameworks or standards) were also used in undertaking the work:

- Guidelines for Self-Regulatory Regulation of Listed Companies on the Shanghai Stock Exchange No. 14 - Sustainability Report (Trial)
- Self-Regulatory Guidelines for Listed Companies on the Shanghai Stock Exchange No. 4 - Preparation of Sustainability Report (Revised in January 2026)
- Guidelines for Self-Regulatory Actions of Listed Companies on the Science and Technology Innovation Board of the Shanghai Stock Exchange No. 13 - Preparation of Sustainability Report (Revised in January 2026)
- Corporate Sustainability Disclosure Standards - Basic Standards (Trial) of the Ministry of Finance of the People's Republic of China, Corporate Sustainability Disclosure Standard No. 1 - Climate (Trial)
- Global Sustainability Standards Board (GSSB) Sustainability Reporting Standards (GRI Standards)
- International Sustainability Standards Board (ISSB) IFRS 1 – General Requirements for Sustainability-related

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Financial Disclosures (IFRS S1) and IFRS 2 – Climate-related Disclosures (IFRS S2)

- United Nations Sustainable Development Goals (SDGs)
- The Ten Principles of the United Nations Global Compact
- Adherence to the AA1000AP AccountAbility Principles, i.e., *Inclusivity, Materiality, Responsiveness, and Impact*

Methodology

Our assurance activities and procedures include:

- Inquiring management to understand the company's business and reporting processes, including sustainability strategy, philosophy and management.
- Interviewing relevant executive personnel in key functions to understand and assess the processes, systems and controls related to sustainability management, including key management procedures, stakeholder engagement processes, topic materiality assessment processes, impact assessments, etc.
- Assessing available performance information based on sampling principles and document review.
- Collecting and inspecting supporting evidence to assess the extent to which relevant disclosures within the scope of the assurance engagement and sustainability reporting support and adherence to AA1000AP assurance principles.
- Reporting assurance observations or recommendations to give the Company's management an opportunity to correct errors before the assurance process is completed.

Limitations

TÜV Rheinland planned and executed the verification in accordance with the scope of the assurance agreed upon and obtained evidence information and necessary explanations to provide the basis for the conclusion of the assurance in accordance with the moderate level of AA1000AS v3. The nature and extent (scope) of the procedures involved in moderate level assurance engagement are lower than those required to obtain high level assurance.

Forward-looking information relates to events and actions that have not yet occurred and may never occur. Actual results are likely to be different because expected events often do not occur as expected. We did not guarantee the availability of forward-looking information.

The information and performance relating to the assurance is limited to the disclosure of the contents of this Report. Our assurance work did not include financial report and its financial data, as well as other information not related to the subject matters of sustainability and beyond the scope of the assurance.

Conclusions

Based on the above assurance procedures and methodology performed and the evidence obtained, we conclude that there are no instances or information that would be contrary to the following statements:

- Tongwei's 2025 Environmental, Social and Corporate Governance Report（Sustainability Report）and its contents are in adherence to the AA1000AP AccountAbility Principles, and sustainability information is prepared in accordance with Guidelines for Self-Regulatory Regulation of Listed Companies on the Shanghai Stock Exchange No. 14 - Sustainability Report (Trial), and GRI Standards.
- Evidence of the use of relevant processes, systems and controls, and available performance information has been reviewed and assessed, and can reflect sustainability management practices of the Company.

TÜV Rheinland shall not bear any liability or responsibility to a third party for perception and decision on Tongwei based on this Assurance Statement.

Adherence to the AA1000AP AccountAbility Principles

Inclusivity

Tongwei has clearly identified key stakeholders, including government and regulatory authorities, shareholders and investors, employees, suppliers, customers, media and industry associations, local communities and non-profit organizations, etc., and has established a stakeholder engagement mechanism. Evidence showed that in 2025, the Company engaged in sustainability-related exchanges with different stakeholder groups, covering key topics such as carbon emission management, water resources, supply chains, conflict minerals sourcing, and business ethics. In

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addition, the Company also carried out a questionnaire survey of relevant parties and analysed the specific results to provide a reference for strategic decision-making and the evaluation of double materiality issues.

Materiality

Evidence indicated that Tongwei adopted a double materiality analysis process, and evaluated and prioritised material issues from the two dimensions of "impact materiality" and "financial materiality" based on information disclosure standards, international initiatives, economic and macro policy trends, etc. The issue matrix clearly revealed double materiality issues (such as climate change response, energy management, product and service safety and quality, water resource management, compliance management, etc.), which are in line with the characteristics of the industry and its own value chain positioning. The Strategy and Sustainable Development Committee reviewed and confirmed the results of the issue matrix.

Responsiveness

Tongwei has a variety of communication channels with its main stakeholder groups, including regular sustainability reporting mechanisms, joint release of industry sustainability initiatives, participation in relevant forums, reporting and complaint mechanisms, etc., and actively responded to the core concerns of stakeholders. The evidence showed that the Company has established and implemented a target system and goal management, and the report disclosed the management direction, development goals and goal progress of ESG issues. This report disclosed double materiality issues according to the requirements of the four-pillar framework and the issue evaluation methodology, and also disclosed a large number of quantitative data related to ESG key performance indicators (such as greenhouse gas emissions, energy consumption, water resources, employee employment and rights, occupational health and safety, sustainable supply chain management, etc.), and the performance data is historically comparable.

Impact

Tongwei attached great importance to the environmental and social impact of its operations and value chain activities, including identifying and analysing the impacts, risks and opportunities related to double materiality issues (such as climate change, water resources management, etc.), and has integrated risk management (covering emerging risk areas) into operation management and compliance management, and adopted process control. Evidence indicated that in 2025, the Company has carried out collaborative decarbonization pilots for the value chain, supply chain traceability management, environmental/labour/supply chain due diligence, etc., to manage related sustainability impacts.

Daniel Pan
Technical Manager of Corporate Sustainability Services
TÜV Rheinland (Shanghai) Co., Ltd
Shanghai, China, 17 April 2026

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TONGWEI

Reader Feedback

Dear Readers:

Thank you for reading this report. We highly value and look forward to your feedback. Your opinions and suggestions are vital for us to continuously improve our corporate ESG information disclosure and advance our ESG management and practices. We welcome and sincerely appreciate your valuable comments.

1. What is your overall evaluation of our ESG performance:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

2. What is your overall evaluation of this report:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

3. How would you rate our performance in stakeholder communication:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

4. How would you rate our performance in product responsibility:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

5. How do you rate our performance in environment, safety, and occupational health:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

6. How do you rate our performance in employee responsibility:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

7. How do you rate our performance in ESG:

☐ Excellent ☐ Good ☐ Average ☐ Fair ☐ Poor

8. What are your opinions and suggestions regarding our ESG performances and this Report?

_____

TONGWEI

Tongwei · For Better Life