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2024 | Environmental, Social and Governance Report About This Report

About This Report

The preparation method of this year's ESG Report remains consistent with that of previous years. Any adjustments that may affect the comparability with historical data have been explained in the relevant sections of this Report.



Reporting Period

This Report covers information and data from January 1, 2024, to December 31, 2024 (hereinafter referred to as "the reporting period". To enhance the comparability and foresight of this Report, certain content has been appropriately extended to preceding and subsequent years.

Reporting Boundary

All other material content covered in this Report pertains to Antai Technology Co., Ltd. and its subsidiaries.

No.	Company Name (English)	Company Name (Chinese)
1	Antai Technology Co., Ltd.	福建安泰新能源科技有限公司
2	Antai Technology Co., Ltd. Xiamen Branch	福建安泰新能源科技有限公司厦门分公司
3	Antai Technology Co., Ltd. Shanghai Minhang Branch	福建安泰新能源科技有限公司上海闵行分公司
4	Antai Solar Japan Co., Ltd.	安泰新能源日本株式会社
5	Antai Solar Singapore Pte. Ltd.	安泰新能源(新加坡)有限公司
6	Antai Solar Australia Pty Ltd.	安泰新能源(澳洲)有限公司
7	Antaisolar India Private Limited	安泰新能源(印度)私人有限公司
8	Antai Solar Netherlands B.V	安泰新能源(荷兰)有限公司
9	Antai Solar America Inc.	安泰新能源(美国)有限公司
10	Antai Solar Spain, S.L.	安泰新能源(西班牙)有限公司
11	Antai Solar Hong Kong Co., Limited	安泰新能源(香港)有限公司
12	Antai Solar (Binzhou) Co., Ltd.	安泰新能源(滨州)有限公司

References

For ease of expression, "Antai Technology Co., Ltd. and its subsidiaries" is also referred to as "Antaisolar", "Antai", "the Company", "we", "us", and "our" in this Report.



Data Explanation

The information and data disclosed in this Report are sourced from the Company's statistical reports and official documents and have been reviewed by relevant departments, The Company commits that this Report does not contain any false records or misleading statements, and is responsible for the authenticity and accuracy of its content, Unless otherwise specified in this Report, all amounts are expressed in RMB.



Preparation Basis

This Report is primarily prepared in alignment with the Global Reporting Initiative Sustainability Reporting Standards 2021 (GRI Standards 2021). It is also prepared with reference to the requirements of the 2030 United Nations Sustainable Development Goals (SDGs) and the requirements of the Guidelines for the Preparation of Corporate Social Responsibility Reports in China (CASS-ESG 5.0) issued by the Chinese Academy of Social Sciences.



Report Assurance

Antaisolar engaged TÜV SÜD Certification and Testing (China) Co., Ltd. to provide independent assurance services for this Report and to issue an assurance statement. For further details, please refer to Appendix III.



Report Access

This Report is available for your reading in both printed and electronic formats and is presented in both Chinese and English. In case of any discrepancies in understanding between the two texts, the Chinese version shall prevail.

You can visit the Company's official website at https://www.antaisolar.com/ to read the electronic version of this Report. If you have any questions or suggestions about this Report, please send an email to mkt@antaisolar.com.

Message from the CEO

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At Antaisolar, we believe sustainability is not a multiple-choice option, but a fundamental imperative for any company with a long-term vision.

As the carbon peak and carbon neutrality goals emerge as the defining mission of our era, the new energy industry has assumed a historic responsibility: to foster a future where humanity and nature thrive in harmony. In this shared global endeavor to transition toward clean energy, we fulfill our mission to "Raise a Green World", placing sustainability at the heart of our corporate strategy. We are keenly aware that only through the deep integration of green technology, digital and intelligent platforms, and ecological collaboration can we truly create value in advancing the global journey toward carbon neutrality.

At Antaisolar, we believe sustainability is not a multiple-choice option, but a fundamental imperative for any company with a long-term vision. We integrate sustainability into every facet of our strategy, advancing PV technologies and green energy ecosystems. Empowered by digital and intelligent innovations, we deliver end-to-end zero-carbon solutions that create value across the entire lifecycle, injecting powerful momentum into building a zero-carbon world.

Guided by our "RAISE" strategy, we have embedded ESG principles into our decision-making processes. With a sound compliance foundation and a governance model that values transparency and efficiency, the Strategic and Sustainability Committee, directly led by the Board of Directors, is proposed to be put in place to ensure that every commitment is translated into solid actions for positive industry development in a responsible manner.

We view social value and environmental protection as two sides of the same coin. Grounded in people-centric innovation, we continue to unlock the transformative power of sustainable development. By promoting zero-carbon technologies, we deliver clean energy solutions to global customers while actively contributing to local communities, improving livelihoods, and cultivating green talent. With deep reverence for the Earth, we remain committed to reducing our environmental footprint throughout the full energy production cycle and ensuring that progress never comes at the expense of the planet. We recognize that true sustainability lies in balancing social well-being with ecological preservation, allowing green energy to illuminate every corner of the world.

As the tide surges eastward day and night, the journey begins at this very moment. Standing at the pivotal crossroads of the global energy transition, we remain steadfast in our belief that only by aligning business growth with the Earth's ecology and social advancement can we respond to the call of our time while creating business value. With technology as our brush and responsibility as our ink, we will paint a green blueprint for the sustainable future of humanity in cooperation with all stakeholders.

CEO of Antaisolar



About Antaisolar

Company Overview

Guided by the ambitious vision of "Raise a Green World", Antaisolar has been at the forefront of clean energy innovation since its founding in 2006. As one of the Global Top 500 New Energy Enterprises, we leverage core technological strengths in materials R&D, control algorithms, and mechanical analysis to offer comprehensive solutions spanning fixed mounting systems, intelligent tracking mounting systems, and Building-Integrated Photovoltaics (BIPV). From digitalized intelligent PV systems to cutting-edge renewable energy applications, Antaisolar is making steady strides toward its goal of becoming "the World's Leading Clean Energy Solutions Provider", lighting the way to a sustainable future.

Our Honors

Coverage

41.7 GW Cumulative Shipments



130+ **R&D Personnel**

780+ 00 19 years **Total Employees**



Track Record in **Mounting System** **TOP 9 Global PV Tracking**

System Shipments

TOP 500

Global New Energy Enterprises

Offering full-material, fullfunction, and full-service solutions for fixed, tracking, and **BIPV** systems

Full-scenario Solutions

Global Subsidiaries/ Branches

Warehouses

Chain Bases



Offices





Business Layout

Antaisolar provides global clients with full-material, full-function, full-service solutions covering fixed PV mounting systems, tracking mounting systems, and BIPV systems. With a well-established international network, we operate branches, subsidiaries, and offices in key countries and regions, including Shanghai (China), Australia, Japan, the United States, India, the Netherlands, Spain, Singapore, and Hong Kong. This global presence, coupled with our technology-driven high-performance products, continuous R&D investment, and comprehensive service capabilities, forms a solid foundation for our international expansion.

Antaisolar is committed to delivering high-performance, comprehensive PV mounting solutions to clients worldwide across three core business areas. Integrating cutting-edge hardware and software, our intelligent tracking systems optimize power generation and reduce the Levelized Cost of Energy (LCOE) through smart algorithms and robust structural design. We offer one-stop services from design and financing to construction and maintenance. Featuring an all-aluminum design, our BIPV systems seamlessly merge energy generation with architectural aesthetics. With the advantages of three-step installation, superior wind and water resistance, and easy operation and maintenance, we provide efficient and reliable new energy solutions for modern buildings. In addition, our distributed PV mounting system can flexibly adapt to various application scenarios to ensure the efficient and stable operation of distributed PV systems. Regardless of the project scale or type, Antaisolar is committed to precisely meeting customer needs through continuous innovation and all-around service, maximizing the value of every PV project for our customers.

By the end of 2024

41.7_{GW}

Antaisolar's cumulative global shipment of PV mounting systems

Held leading market positions in

- Japan
- Australian distribution market
- Chilean distributed market
- Mexican market
- Southeast Asian markets

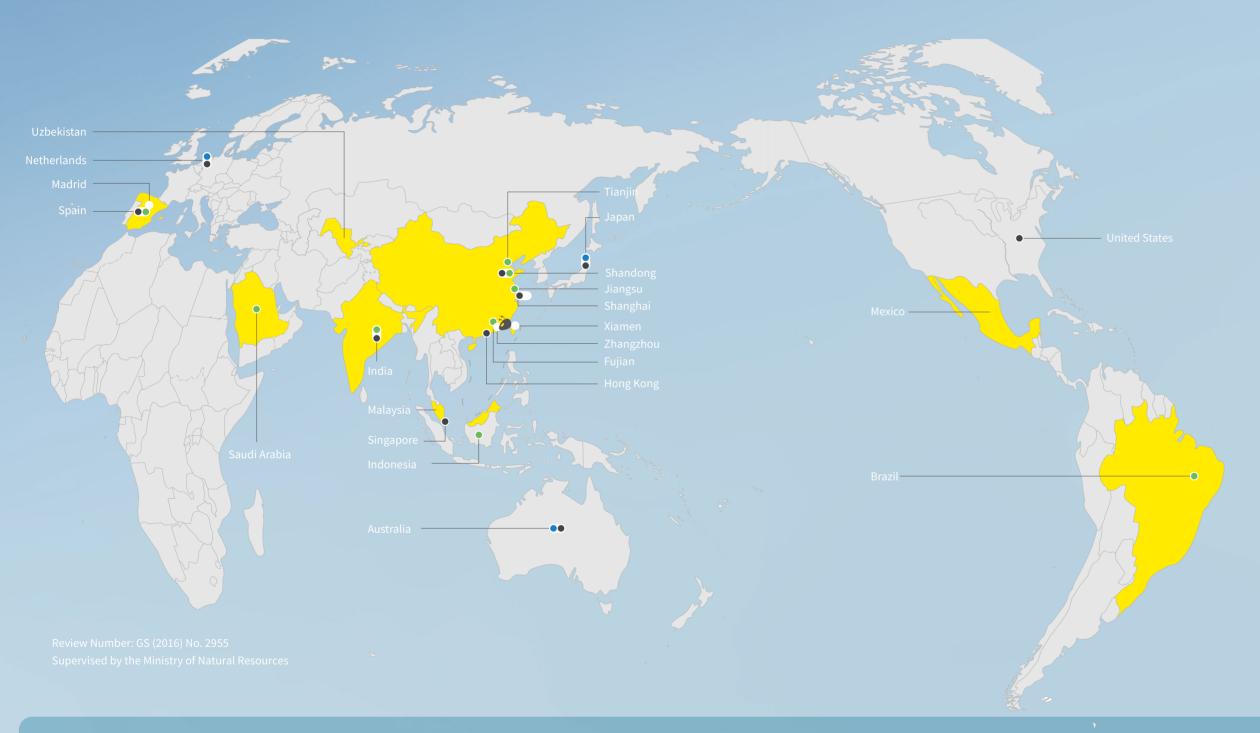








Antaisolar's New Energy Solutions



Headquarters 🍅



Delivery Center

Subsidiaries/Branches & Offices ●

Singapore, Australia, Japan, India, Netherlands, United States, Spain, Hong Kong, Shandong, Shanghai



Warehouse Centers



Production and Supply • **Chain Bases**



Research and Development Centers

Sustainable Development Goals

Indicator

Carbon goals



Energy structure



Utilization rate of recycled materials



Reuse rate for heavy metal reclaimed water



Utilization rate of recyclable packaging materials



Utilization rate of electric vehicles in factory operations



2024 Target

Reduce operational carbon emissions by over

25%



Newly added target in 2024

2024 Progress

Achieved: A 400 kW PV power station was built, generating 355,021 kWh annually, with 341,916 kWh for self-use, reducing operational emissions by 26%.

Newly added target in 2024

17.5%

20%

Completed

Driven by the philosophy of sustainable development, Antaisolar has consistently placed environmental protection at the core of its business strategy, regarding exemplary environmental practices as both a corporate responsibility and a key competitive edge for future growth. In 2024, we continued to pursue the long-term goals of net-zero operations and circular symbiosis, supported by a scientific and quantifiable environmental management indicator system. Through systematic implementation and monitoring mechanisms, we ensure that all initiatives are effectively carried out. On this basis, the Company has further introduced interim targets in the energy structure dimension this year and established a long-term vision for 2030, demonstrating our commitment to higher standards and our determination to fulfill corporate social responsibilities.

2025 Target -

neutrality

15%

30% 20%

50%

50% 30%

60%

90%

100%

50%

60% 40%

70%

¹This target refers to achieving 100% carbon neutrality in the office and administrative operation environment, covering energy consumption in the office premises and carbon emissions related to administrative activities.

Key Performance in 2024

Robustness

integrity training

integrity training

Inclusiveness

2,524

training participants

RMB 347,000 29

hours per

All stable production bases have obtained the ISO 45001 Occupational Health and

Advancement

All stable production bases have obtained the ISO 9001 Quality Management

99.0% 99.96%

91.9%

4.208

quality and safety training hours

RMB 46.3216 million

Symbiosis

All stable production bases have obtained the ISO 14001 Environmental

520.07 MWh

self-generated PV electricity

compliant exhaust gas emission rate

93.6% 12.2%

recycled aluminum

utilization rate in the product

Engagement

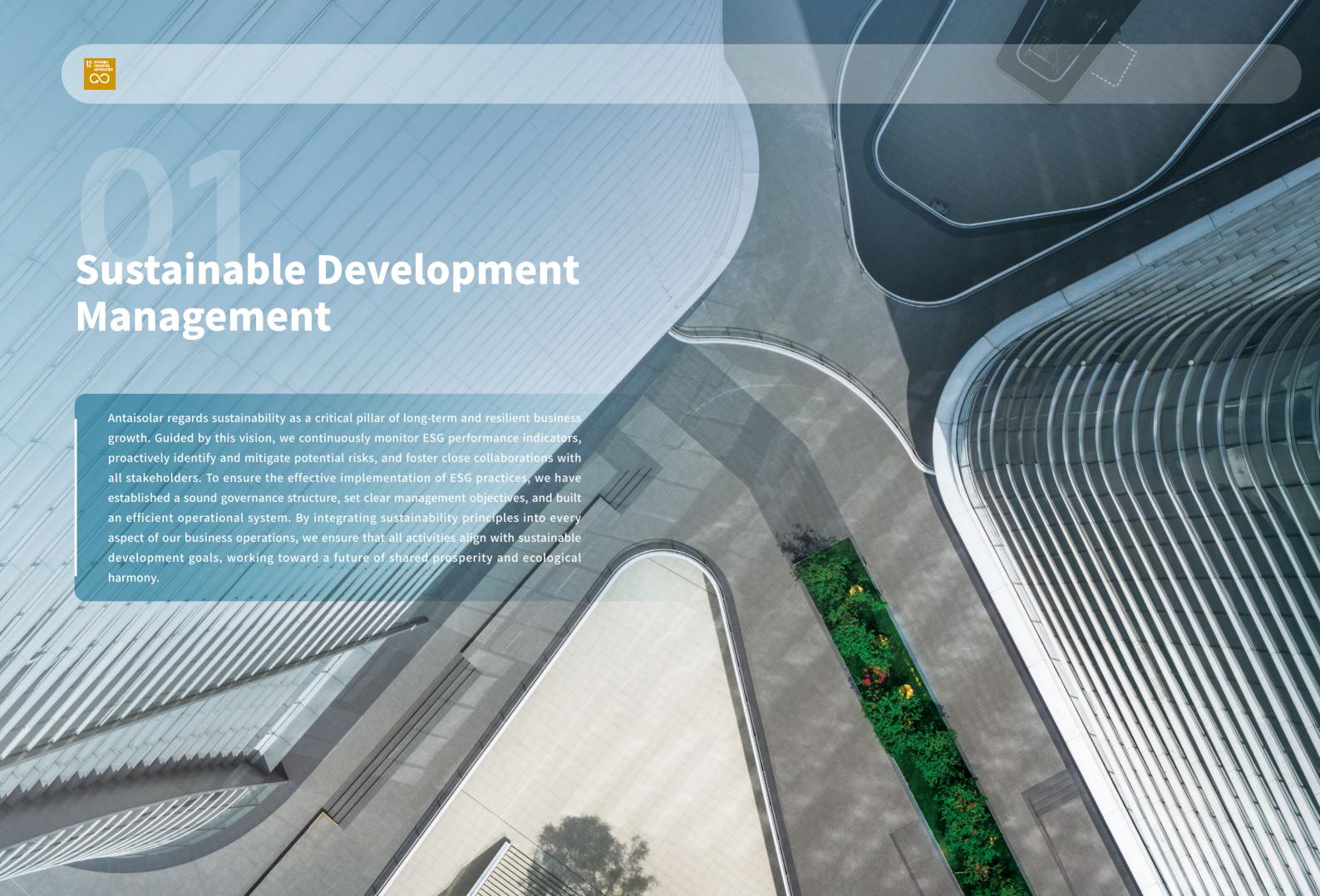
mechanism has been established

100%

Integrity Agreement signing rate with the

Partnerships with companies such as JA Solar, Sungrow, and LONGi to drive the

Shanghai Jiao Tong University, Polytechnic University of Madrid, and Central South University to explore market demand and technological



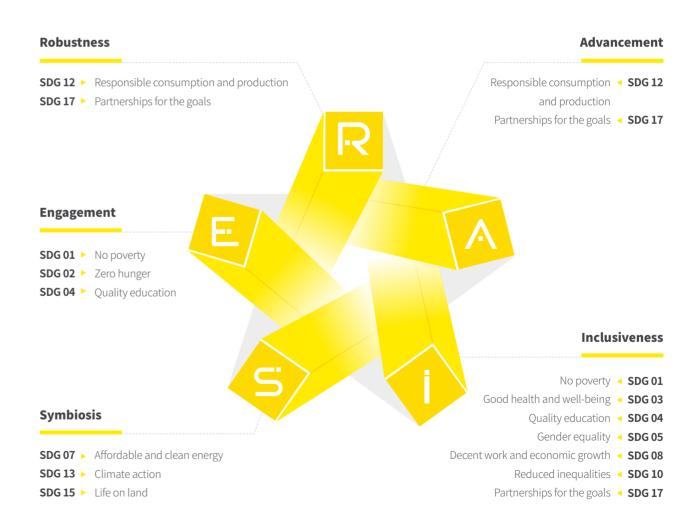
Sustainable Development Strategy

To secure sustainable development and meet regulatory expectations, Antaisolar has formulated a clearly defined sustainability strategy based on industry trends and the Company's development trajectory. After thorough engagement with stakeholders, we have identified five strategic pillars that reflect the core material topics: Robustness, Advancement, Inclusiveness, Symbiosis, and Engagement. Anchored by our mission of "Raise a Green World", we have developed the RAISE sustainability framework to guide our actions and fulfill our vision of becoming a global leader in clean energy solutions.

Antaisolar's Sustainable Development Strategy Blueprint



Since the establishment of our sustainability framework, Antaisolar has remained firmly on course, advancing steadily along its strategic path. The goals and action plans set for the short term (2024–2025), medium term (2026–2028), and long term (beyond 2028), with 2023 as a baseline year, had all seen significant progress in 2024. We have systematically translated each action plan into responsibilities across business units, clarified accountability, and continually improved our tracking and evaluation mechanisms. Every sustainability initiative is backed by clear operational guidelines and assessment criteria, ensuring the effective and efficient implementation of our overall strategy.



Advancement

ESG Governance

ESG Governance Structure

Antaisolar firmly believes that sustainable development is the cornerstone of long-term value creation. We are committed to building and continuously improving a robust ESG governance system, embedding environmental, social, and governance principles across all aspects of our operations. The Company actively enhances the involvement of the Board of Directors and senior management in ESG matters, strengthening our capabilities in sustainability governance and implementation to ensure a balanced approach to economic performance, social responsibility, and environmental stewardship.

As of the date of drafting this report, Antaisolar is advancing its shareholding reform and restructuring process. A formal internal Board of Directors has been established, alongside the formation of an ESG Working Group. Preparations are also underway for the establishment of a Strategic and Sustainability Committee. We are progressively developing a three-tier ESG governance structure: the Board as the top-level decision-making body, the Committee as the mid-level management authority, and the Working Group as the execution team. This evolving governance framework is designed to elevate our ESG management capabilities and foster sustainable value creation in collaboration with all stakeholders. We will continue to refine the governance structure based on operational needs, with relevant updates to be disclosed in future ESG reports.



The ESG governance system at Antaisolar clearly defines the Board of Directors as the highest decisionmaking and accountable body for ESG-related affairs. The Board is responsible for overseeing and reviewing ESG strategies and major matters. The proposed Strategy and Sustainability Committee will oversee the development of ESG management systems, the formulation of strategic goals, and the supervision of day-to-day ESG activities. A structured reporting mechanism will ensure that the Board maintains effective oversight, thereby forming a closed-loop system for informed decision-making and efficient execution.

The Strategic and Sustainability Committee will serve as the central body for ESG management, taking full responsibility for strategic planning, policy implementation, and governance system development. The Committee will regularly assess ESG performance targets, explore emerging sustainability issues, and continuously optimize the Company's ESG management framework to enhance both capacity and performance in sustainable development.

At the operational level, Antaisolar has established an ESG Working Group composed of professionals from relevant departments. This Working Group is responsible for coordinating the implementation of sustainability action plans across the organization. The Working Group systematically identifies and monitors ESG risks throughout business operations, tracks performance metrics, and oversees the collection and disclosure of ESG-related information to ensure the effective execution of the Company's sustainability strategy.

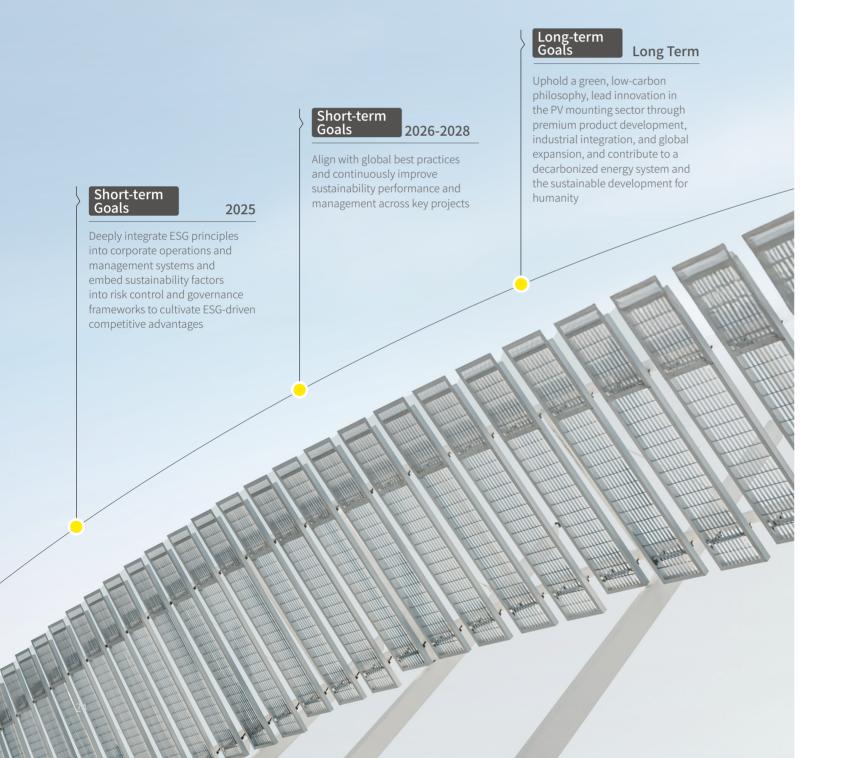
Assess ESG-related risk factors and evaluate their materiality **Board of Directors** Review and approve the Company's long-term sustainability strategy and specific performance targets Monitor and evaluate the operation of the ESG management system, performance outcomes, and progress toward strategic goals on a regular basis Review and authorize the disclosure content and format of sustainabilityrelated information released externally Review and approve the Company's public disclosures on ESG-related matters Systematically identify and assess ESG risks faced by the Company and Strategic and Sustainability evaluate their materiality Committee Evaluate and formulate the Company's long-term sustainability strategy and specific performance targets Continuously monitor and review the effectiveness of the ESG management system; audit policy implementation and supervise progress toward goals Review and assess the quality of the Company's sustainability disclosures Carry out other sustainability-related tasks as assigned by the Board of Directors Support the Committee in refining the ESG governance framework and developing policies and implementation plans aligned with the Company's **ESG Working Group** sustainability strategy Promote the implementation of the ESG management system and drive continuous improvement in ESG performance Coordinate and manage the ESG information disclosure process Carry out other sustainability-related tasks assigned by the Committee Identify and address ESG risk points in the Company's day-to-day operations Strengthen coordination and collaboration with relevant departments, subsidiaries and branches to ensure effective ESG implementation company-Be responsible for ESG data collection, analysis, and report preparation to ensure the quality and compliance of disclosure content Handle other ESG-related matters as needed

ESG Governance Structure

Robustness

ESG Risk Management

As global awareness of sustainability continues to be raised, Antaisolar, a leading force in the clean energy sector, has fully integrated ESG principles into its corporate strategy and operational framework. With nearly two decades of industry experience, we firmly recognize sustainable development as a vital path for addressing the dual challenges of energy transition and climate change. Guided by our RAISE strategic framework, we are continuously enhancing our ESG management system, systematically planning short-term, medium-term, and long-term development goals. We focus on key issues such as climate change and proactively implement risk mitigation measures, taking a responsible approach to drive sustainable progress across the industry.





Stakeholder Engagement

At Antaisolar, we are keenly aware of the critical role of stakeholder engagement in advancing sustainable development. We are committed to building diverse and inclusive communication channels to accurately capture the expectations and feedback of stakeholders regarding ESG practices. Through tailored communication strategies, we not only address stakeholders' concerns effectively but also strive to establish transparent and trustworthy long-term partnerships. This inclusive and balanced engagement mechanism enables us to identify optimal solutions for complex issues, continuously enhance corporate governance, and co-create sustainable value.

Based on industry characteristics and business realities, Antaisolar has systematically identified key stakeholders along its value chain, including government regulators, supply chain partners, customers, employees at all levels, strategic collaborators, and the broader community. For each stakeholder group, we have developed customized communication mechanisms to ensure that material ESG issues are effectively conveyed and addressed, thereby fostering a multi-party, win-win model for sustainable development.



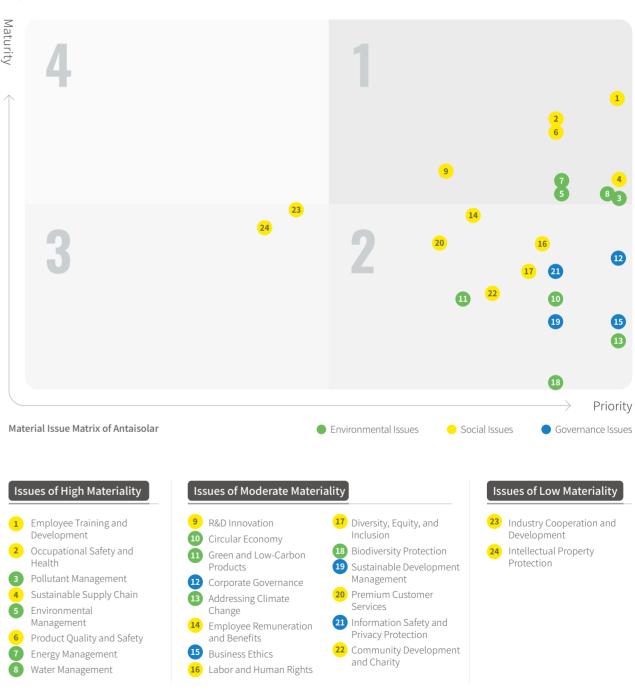
keholders		Interested Issues	Communication Methods and Cl	hannels
	Government and Regulatory Institutions	■ Pollutant management■ Environmental management	Field researchOfficial correspondenceMeetings	■ Policy implementation ■ Information disclosure
≥≣	Stakeholders / Investors	 Sustainable Supply Chain Environmental management Product quality and safety Energy management 	■ General meeting of shareholders ■ Investor hotline	RoadshowsEarnings presentationsOn-site visits
	Suppliers	■ Sustainable supply chain ■ Product quality and safety	 Supply chain quality/safety/ responsible management, and auditing Supplier training and improvement 	 Supplier communication conference
ŠīŽ	Customers	Pollutant managementEnvironmental managementProduct quality and safety	 Customer satisfaction survey Customer hotline Official media platform Customer conference 	On-site supportEmail communicationTelephone complaint channel
ÎÎ	Employees	 Employee training and development Occupational health and safety Environmental management 	 Various employee activities Employee training Employee performance assessment Trade union and employee representative committee Internal communication platforms Internal publications 	 Employee satisfaction surveys Internal management meetings and reports Corporate governance-related training Internal communication platforms Internal email correspondence
	Partners	■ Sustainable supply chain ■ Product quality and safety	Exchange visitsIndustry-related associations, working groups	■ Strategic cooperation projects ■ Information disclosure
2 0 2 0 8 0	Public	 Pollutant management Sustainable supply chain Product quality and safety Energy management 	■ Exchange visits ■ Media interviews	 Official media platform information disclosure
	Community	Pollutant managementEnvironmental managementWater resource management	■ Social welfare projects	Community volunteer activities

Materiality Assessment

At Antaisolar, ESG materiality sits at the core of our corporate sustainability strategy. We have established a comprehensive sustainability management framework that systematically identifies material issues, actively engages stakeholders in the assessment process, and ensures a deep understanding of their core expectations. Based on the results of our materiality assessment, we prioritize key ESG issues and fully integrate related risks into our enterprise risk management system, creating a closed-loop control mechanism. This rigorous and inclusive process not only safeguards stakeholder interests but also lays a solid foundation for continuous ESG improvement and sustainable growth shared between the Company and society.

By aligning with industry characteristics and policy trends, Antaisolar has developed a material issue identification system that incorporates multi-stakeholder evaluations to build a prioritization matrix. Upon Board approval, the results are embedded into strategic decisionmaking, promoting deep integration of ESG governance with our overall business development. 1 Material Issue Identification Based on industry characteristics and a thorough analysis of the Company's value chain impact, Antaisolar systematically identifies sustainability issues as per international frameworks such as the SDGs, local regulatory requirements, and global best Stakeholder Engagement Diverse stakeholder communication channels are established to gather input through targeted surveys, enabling a scientifically grounded and quantitative prioritization of identified issues. Issue Assessment and Prioritization Drawing on stakeholder input and professional evaluations, Antaisolar analyzes the significance and likelihood of each issue's impact to construct a materiality matrix that reflects both internal and external perspectives, determining management priorities Issue Approval and Management The ESG Committee reviews the materiality matrix and submits it to the Board of Directors for final approval, ensuring full alignment between assessment outcomes and the Company's strategic direction. Material Issue Identification and Analysis Process of Antaisolar

During the Reporting Period, Antaisolar adopted a double materiality assessment approach, evaluating both the financial impact and the broader sustainability implications of each issue. Taking into account industry characteristics and capital market focus areas, the Company systematically identified 24 material ESG issues. Based on a rigorous evaluation, these issues were categorized into three levels of materiality: high materiality (8 issues), moderate materiality (14 issues), and low materiality (2 issues). A clear materiality matrix² was developed, positioning each issue within the appropriate quadrant. Detailed management measures and performance disclosures for the key issues will be presented in the following chapters, comprehensively addressing stakeholder expectations.



²The materiality matrix for the current year remains consistent with that of 2023.

RAISE

Cobustness

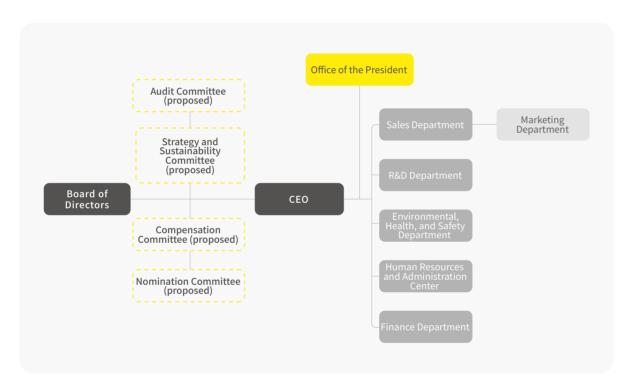
Strict compliance and transparent governance form the cornerstone of Antaisolar's corporate culture. We continuously optimize our risk management and internal control systems while strictly adhering to the regulations of our operating regions and pursuing excellence in governance practices. By upholding high standards of business ethics, we have built relationships of trust and cooperation with our customers, suppliers, and industry partners. Together, we share the outcomes of sustainable development and foster a healthy and virtuous industry ecosystem.



Corporate Governance

Governance Structure

As of the date of drafting this report, Antaisolar is actively advancing its corporate restructuring to optimize internal management and better respond to market demands. We have initially planned a governance framework consisting of the Board of Directors, specialized committees, and the executive management team. Through ongoing improvements to our governance system and enhanced management practices, we aim to continuously increase the transparency and effectiveness of corporate governance. Looking ahead, we will refine this preliminary governance structure as Antaisolar's development progresses. Full details on future optimizations will be disclosed in our upcoming ESG reports.



Antaisolar's Proposed Governance Framework

Antaisolar plans to establish its Board of Directors and specialized committees as per the *Company Law of the People's Republic of China Articles of Association*, and *Rules of Procedure for Board Meetings*, among other relevant laws and regulations. To ensure scientific and reasonable decision-making, we propose to form four key committees: the Audit Committee, Strategy and Sustainability Committee, Remuneration Committee, and Nomination Committee, to enable specialized committees to provide professional advice during major deliberations. Regarding board composition, we will emphasize diversity principles by comprehensively evaluating directors' academic qualifications, professional expertise, educational backgrounds, and tenure experience, while ensuring compliance with relevant regulatory requirements.

Internal Control and Risk Management

Antaisolar strictly follows the *Company Law of the People's Republic of China, Securities Law of the People's Republic of China*, *Basic Norms for Internal Control of Enterprises*, and the *Supervision Law of the People's Republic of China*, integrating business practices and internal evaluation outcomes to continuously update and improve its *Internal Control Manual*.

Design Framework

Antaisolar has conducted a comprehensive review of its business processes and created detailed flowcharts establishing a complete control system. This includes critical measures such as delegated approval mechanisms and separation of incompatible duties to ensure effective risk identification and control at each link.

Formulate Strategies

The Company has set up a systematic supervision proce incorporating both routine and special inspection Responsibilities for each supervisory role are clearly defined maintain an ongoing internal control supervision mechanism

Assess Risks

Antaisolar classifies internal control deficiencies as major, significant, or general. Based on these classifications, the Company develops a closed-loop rectification plan including responsible persons, rectification deadline, and specific measures. Based on relevant laws and regulations and industry norms, we have established scientific evaluation standards and systematically evaluated the internal control system through multiple methods, such as walkthrough tests and questionnaire surveys, so as to continuously improve the level of internal control management.

Antaisolar's Internal Control Method

In addition, Antaisolar has developed a multidimensional risk assessment matrix based on its operational characteristics and risk management needs. Risks are categorized into four levels of severity. This matrix has been piloted within the internal control module, and its results will guide the refinement of internal control strategies, ensuring reasonable resource allocation and effective risk control.



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Internal Audit

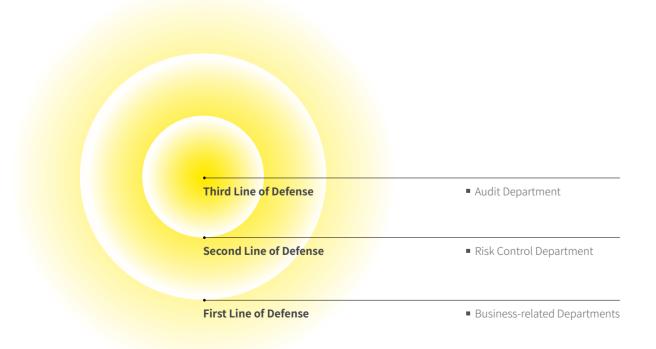
To strengthen corporate governance, Antaisolar will establish an Audit Committee under the Board of Directors following the completion of its shareholding reform. Led by the Internal Audit Department, the Company will formulate the Internal Audit Charter and establish a standardized internal audit system. This system outlines a comprehensive audit process, from forming the audit team and issuing the audit notice to conducting the audit and delivering the report, ultimately leading to an audit resolution and supervision of corrective actions. The process also incorporates a dispute resolution mechanism to ensure fairness and impartiality in audit practices. Once approved by the Board of Directors, this system will serve as a vital safeguard for internal supervision within the Company.



Antaisolar's Internal Audit Process

Risk Management

To ensure sustainable development, Antaisolar proposes to build a comprehensive risk management system featuring three lines of defense. Frontline business departments directly oversee risk prevention and control, while the risk control department provides professional support, with the audit department offering independent oversight. This multi-dimensional safeguard framework enables the Company to comprehensively identify, assess, and manage various risks, providing robust safeguards for stable operations.



Antaisolar's Risk Management Framework

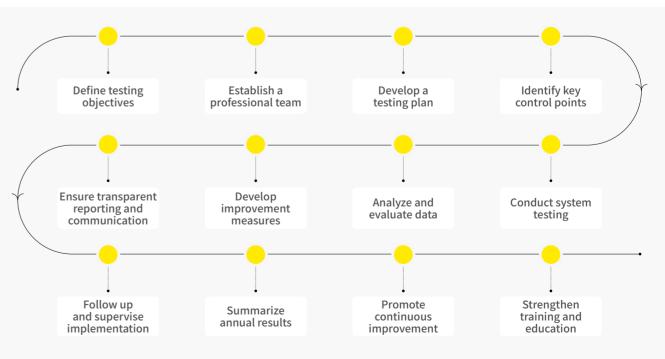
Contract Risk Control

To enhance contract risk management, Antaisolar has optimized the approval workflow in its OA system. The Company removed the direct application option for the "Contract Seal" in the seal request form, mandating that all contracts and agreements must first undergo OA-based contract review and be approved by relevant departments. Additionally, the Internal Control Department regularly conducts random checks on seal application contents to ensure effective identification and control of contract risks and to prevent potential contract risk incidents.

Risk Control for the Binzhou Carbon Steel Project

For the Phase I project of Workshop No. 1 at the Binzhou Carbon Steel Plant in Shandong, Antaisolar implemented a systematic risk identification and control process. In response to potential risks associated with business expansion, the Company reviewed the project processes under its asset management module and introduced a budget control mechanism into the OA system, including expenditure alerts. A regular project meeting mechanism was also established to ensure information sharing and timely risk identification. For major risks, the Company convenes management meetings or special discussions. This risk control system has effectively supported the Company's strategic direction in managing the pace of new business expansion, while ensuring compliance with internal control procedures and supply chain management requirements.

Antaisolar conducts comprehensive sensitivity testing of its internal control system to enhance responsiveness to external changes, reduce risks in key operational areas, strengthen organizational resilience, and improve the Company's ESG performance and sustainable development capabilities.

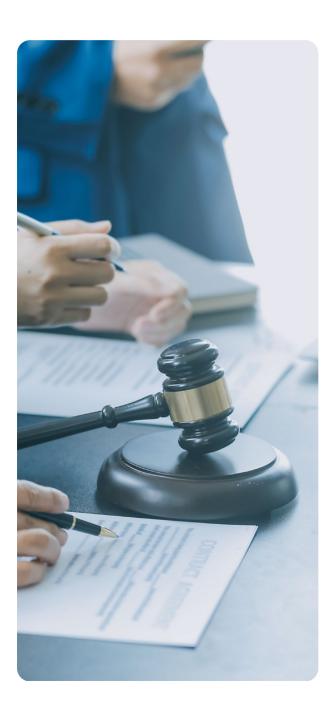


Antaisolar's Internal Control Sensitivity Testing System

Inclusiveness

Business Ethics

Integrity and honesty form the foundation of Antaisolar's business conduct. We have established a comprehensive business ethics management system to ensure that all operations strictly comply with regulatory requirements. By fostering a fair and transparent working environment, we resolutely prevent any form of misconduct and earn market respect through integrity, creating sustainable value together with our partners.



Integrity System Development

In 2024, we updated our Code of Conduct and newly issued the Employee Integrity and Self-Discipline Commitment Letter and the Anti-corruption and Anti-bribery Policy, strictly prohibiting all forms of corruption, bribery, and improper benefits, thereby reinforcing corporate integrity. Meanwhile, we revised the Code of Conduct for Suppliers of Antaisolar, clearly outlining suppliers' responsibilities in human rights protection, anti-corruption, and anti-monopoly practices. These measures aim to jointly uphold fair market competition and promote the Company's longterm and steady development.

Preventing Business Risks: Contract Management Upgrades

In 2024, Antaisolar optimized its contract review mechanisms by implementing a tiered authorization management system and clearly defining approval authority for each role. It is now mandatory for all procurement-related contracts to be signed and approved by the head of the relevant center. For indirect procurement contracts where competitive bidding from three suppliers is not feasible, we introduced the SINGLE SOURCING APPROVAL FORM, which requires triple-level approval, effectively mitigating conflicts of interest and enhancing transparency in procurement processes.

Upholding the "humble and pragmatic" Ant Spirit, we are committed to cultivating a culture of integrity and honesty. In 2024, the Company held four training sessions on risk management, internal control, and business ethics, covering all new employees within six months of joining (excluding overseas staff). In July, we launched internal control knowledge training for all employees. Through customized training programs tailored to various roles and levels, we have significantly raised awareness of ethical conduct, ensuring all employees understand and adhere to compliance standards, laying a strong foundation for sustainable development.

Internal Control and Process Fundamentals Training

On June 28, the Company held an "Internal Control and Process Fundamentals Training" session. The instructor provided an in-depth explanation of the basic concepts, roles, and implementation methods of internal control and addressed employees' real-world concerns through interactive discussions. This training significantly enhanced employees' understanding of the internal control system and improved the Company's risk prevention capability. The Internal Control Department will continue to organize relevant training sessions to support the Company's sustainable development.



Internal Control and Process Fundamentals Training

During the reporting period

Integrity training sessions, covering all departments

Integrity training participants



Whistleblowing and Whistleblower Protection

Antaisolar has established a comprehensive whistleblowing mechanism, encouraging employees to report any violations of business ethics through designated phone lines and email channels. All reports are recorded and assessed by the Internal Control and Process Department. The Company is committed to protecting the rights and interests of whistleblowers, conducting thorough investigations into each report, and continuously reinforcing a culture of corporate compliance.

Mailing and Visiting Address (*)

■ 25th-27th Floors, Tower 1, Winland International Finance Center, No. 1 Financial Street, Huli District, Xiamen

Supervisory Hotline



0592-5902511



partnership@antaisolar.com

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Whistleblowing Channels

Major Cases

 Cases with conclusive evidence, wide-ranging impact, and high likelihood of violating local laws and regulations

General Cases

 Cases supported by substantive evidence, significant impact, and potential legal violations

Low-risk Cases

Cases lacking specific supporting evidence

Risk Classification of Whistleblowing Cases



Multi-channel Whistleblowing

• Multiple channels, including a dedicated email address, phone line, and fax, are available for whistleblowing. These are managed by designated personnel within the Internal Control Department to ensure the timely receipt and handling of reports.



Tiered Report for Investigation

■ Upon receiving a report, the Internal Control Department immediately assesses its credibility and escalates the case to the Board Secretary, CEO, or Chairman as appropriate. An investigation team is formed based on the nature of the case to carry out a fact-based special investigation.



Strict Enforcement of Disciplinary Measures

■ For verified cases of supplier bribery, the Company enforces contractual accountability, terminates the partnership immediately, and, depending on the severity, blacklists the violating supplier.

Whistleblowing Response Mechanisms

Meanwhile, the Company strictly enforces its whistleblower protection policy, managing all whistleblowing information with the highest level of confidentiality. Any form of information leakage or retaliation is strictly prohibited to fully safeguard the safety and privacy of whistleblowers and ensure the effectiveness of the internal supervision mechanism.

Anonymous reporting channel

■ The Company supports lawful and compliant anonymous whistleblowing, ensuring comprehensive protection of the complainant's identity.

Confidentiality commitment

• All case-related information is managed under strict confidentiality to prevent any form of disclosure or retaliation, thereby fully safeguarding the rights of complainants.

Secure handling procedures

A dedicated personnel and task-based management system is adopted, reinforced by a digital management platform. Strict confidentiality is maintained across both personnel operations and data storage, with all information disclosures subject to a complete authorization and approval process.

Whistleblower Protection Measures

Information Security and Privacy Protection

The Company strictly complies with the *Personal Information Protection Law of the People's Republic of China* and the *Cybersecurity Law of the People's Republic of China*, as well as international regulations such as the *General Data Protection Regulation* (GDPR). A comprehensive privacy protection framework has been established, and the *Privacy Policy* has been published on the Company's official website to fully safeguard the lawful rights and interests of data subjects.

In cases where information security incidents arise from individual employee behavior, the Company assesses the impact and applies appropriate accountability measures as per the *Employee Handbook*. The Company also incorporates information security requirements into supplier contracts and conducts systematic security compliance assessments. Confidentiality agreements and oversight mechanisms are used to strengthen end-to-end data protection, continuously enhancing the governance level of information security across the supply chain.

Online Information Security Training

We provide online information security training to help employees understand the Company's control requirements and raise awareness of information security. The training focuses on three core scenarios: malware prevention, workstation security management, and network environment safety. It equips employees with key protective measures for daily work, including:

- Raising awareness of the dangers of ransomware and establishing emergency response and IT reporting procedures for infection incidents
- Requiring employees to lock their screens when leaving their workstations to prevent the leakage of sensitive desktop information that could lead to Company losses
- Prohibiting the use of personal routers to create private networks in office areas, to avoid cybersecurity risks from potential attacks





Online Information Security Training

During the reporting period

224

Information security training participants



RAISE

dvancement

Antaisolar has always regarded product quality and innovative R&D as the intrinsic drivers of high-quality development. We are committed to delivering reliable, high-performance products to earn market recognition and customer trust. A full-chain quality control system has been established, covering raw material procurement, manufacturing, finished product testing, and customer feedback, ensuring stable and reliable product quality. Meanwhile, we continue to increase investment in R&D, focusing on PV technology innovation and exploring market-leading sustainable solutions to actively contribute to the global energy transition.

Robustness

Product Responsibility

Antaisolar upholds the concept of sustainable development and is committed to building a comprehensive quality management system throughout the product lifecycle. We actively benchmark against international quality management standards, covering every stage from raw material selection and production process control to finished product inspection, systematically reducing quality risks. Meanwhile, we continuously advance product safety certifications and strengthen quality awareness among all employees. Through systematic management and continuous improvement initiatives, we aim to achieve key quality performance targets and ensure the delivery of safe, reliable, and high-performing products to our customers.



³ In February 2024, Antaisolar was awarded the ISO 9001 Quality Management System Certification by the China Quality Certification Centre (CQC). The updated certification scope includes the design and development, and manufacturing of aluminum solar PV mounting systems, module frames, carbon steel solar PV mounting systems (including tracking and fixed types), and ground piles.



Antaisolar's Product Quality Management Policy

To steadily improve product quality, we set strict quality targets based on key indicators such as yield rate and finished product rate, and implement a variety of measures to ensure their achievement. As of the end of the reporting period, all quality targets had been successfully met.

Antaisolar's Product Quality Management Objectives

No.	Quality Target Item	Target	Cumulative Value in 2024
1	Batch Material Inspection Qualification Rate	≥ 97.3%	98.3%
2	Module Frame Yield Rate	≥ 95%	95.6%
3	Precision Machining Yield Rate	≥ 95%	95.2%
4	Carbon Steel Yield Rate	≥ 99%	99.0%
5	Ground Pile Qualification Rate	≥ 99.5%	99.96%
6	Number of Customer Complaints	≤ 4	2.8
7	Customer Satisfaction Score	≥ 90 points	91.9 points

Antaisolar continues to strengthen product standardization, proactively benchmarking against industry-leading standards in pursuit of product excellence. To ensure consistent and reliable quality, we have fully optimized the reliability testing system across the entire process, from material and production to product. We have also enhanced control measures for extrusion, anodizing production, and inspection documentation. Moreover, the Company focuses on six key elements, personnel, equipment, materials, methods, working environment, and measuring instruments, to drive targeted improvements across all production departments, systematically advancing continuous improvement in product quality.

Materials

- Aluminum rod composition
- Aluminum rod macrostructure test
- Carbon steel composition
- Carbon steel mechanical properties
- Industrial chemical composition
- Bolt and fastener material verification
- Corrosion resistance of metal components



Production

- Aluminum material composition
- Aluminum mechanical properties
- Aluminum aging hardness
- Aluminum anodized film thickness
- Corrosion resistance of aluminum surfaces
- Sealing effectiveness of aluminum surface treatment
- Corrosion resistance of carbon steel surfaces

Products

- Product type inspection
- Product safety certification
- RoHS/REACH compliance testing



Reliability Testing of Antaisolar's Products



Six Core Elements of Antaisolar's Quality Control

During the reporting period, Antaisolar focused on upgrading incoming material inspection standards and reliability testing requirements while coordinating with customer audits, inspections, and periodic reliability tests. Weekly training sessions were held for inspectors to enhance their skills. Backed by the Company's advanced inspection center, ongoing testing and analysis support the continuous optimization and upgrading of product quality.

Antaisolar Inspection Center Laboratory

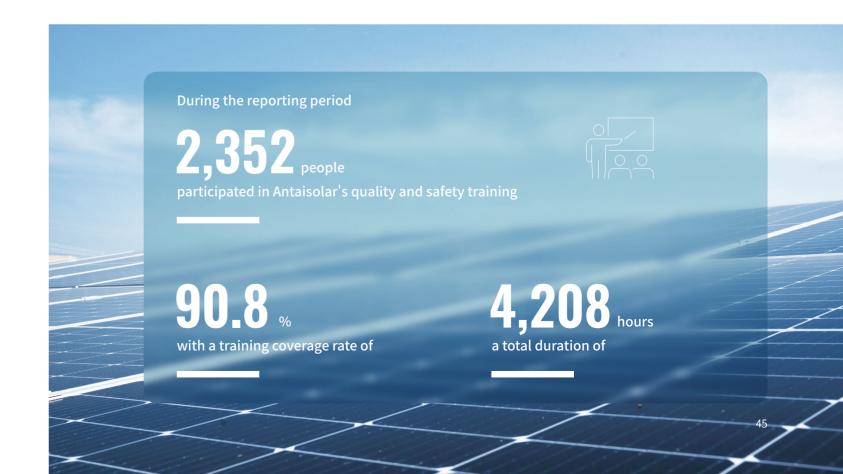
Robustness

The Antaisolar Inspection Center Laboratory serves as a professional, high-standard technical support platform dedicated to full lifecycle quality validation and performance evaluation of new energy products. The center strictly adheres to both international and national standards and includes ten core functional areas such as the Sample Room, Material Analysis Room, and Mechanical Property Testing Room. It is equipped with advanced testing instruments and has established a rigorous metrology management system to ensure the precision and reliability of testing data.

Through a comprehensive process that covers sample registration, process monitoring, and final product inspection, the center ensures accurate and reliable testing results using scientific methods and standardized management, providing strong scientific support and critical technical assurance for outstanding product quality.



Antaisolar regards the cultivation of quality culture as a core driver of sustainable development. By building a multi-tiered, continuous training system, we embed quality awareness deeply into every employee's mindset. Regular quality knowledge and job skills competitions are held, reinforced through practical exercises and incentive mechanisms, to enhance employees' awareness and capabilities in risk prevention and problem-solving. During the reporting period, 2,352 people participated in Antaisolar's quality and safety training, with a training coverage rate of 90.8% and a total duration of 4,208 hours.



Quality Culture and Capability Building Highlight Project - First Quality Month Activities

To raise company-wide quality awareness and strengthen total quality management, Antaisolar actively responded to the national Quality Month initiative in September 2024 by organizing a special series of activities themed "Quality Supervision with No Blind Spots, On-time Delivery as My Responsibility - Full Participation across the Company".

The activities featured a variety of formats, including online knowledge competitions, inspection skills contests, production skills challenges, and more. By promoting full employee involvement, these multi-dimensional mechanisms effectively fostered initiative and accountability in quality management, laying a solid foundation for high product quality and on-time delivery.





2024年	质量月在线知	口识竞赛	题目
	厦门		
排行 姓名		用时	得分
1 98		84秒	100
2		87秒	100
3 ##		89秒	100
4 18		94秒	100
5		99秒	100
6 98		107秒	100

Signature Wall Event

Online Knowledge Competition

RXO

2024年质量月在线知识竞赛题目



Inspection Skills Contest











Production Skills Challenge













6S Workshop Evaluation and **Thematic Training Sessions**





Innovation-driven Development

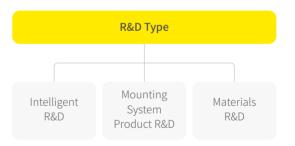
Robustness

Antaisolar strictly adheres to a scientific and standardized R&D management process, continuously improving its R&D system to ensure the steady advancement of innovation efforts. Meanwhile, we remain deeply rooted in the PV field, focusing on the development of efficient and reliable innovative mounting products. By actively responding to market demands for rapidly evolving PV solutions, we drive industry development through innovation.



R&D Innovation

We have established systems such as the R&D Management System and R&D Management Process, applying a full life-cycle management approach that systematically integrates R&D initiation, process management, cost accounting, and results protection. This structured framework ensures disciplined and efficient innovation practices, laying a solid foundation for technological advancement. During the reporting period, we refined our R&D management system by further detailing the organizational structure and departmental responsibilities, while enhancing the practical applicability of the policies based on real-world implementation. The optimized R&D management system covers three types of project management: intelligent R&D, mounting system product R&D, and material R&D, ensuring more standardized R&D management and laying a solid institutional foundation for the Company's R&D innovation.



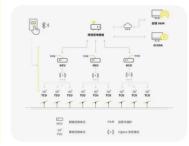
Antaisolar focuses on the core field of PV mounting systems, establishing three core R&D directions: material research and development, mounting system product iteration, and intelligent systems. In terms of material research and development, we enhance the stability of PV mounting systems through the development of high-performance aluminum alloys. In terms of mounting system product development, we have launched multiple efficient mounting systems, including the SnapFit quick-installation mounting system, effectively improving the adaptability to various scenarios and the installation convenience of PV power plants. In the field of intelligent research and development, we have developed multiple intelligent solutions to achieve automated design and intelligent control of PV mounting systems.

Robustness

Intelligent R&D

SmartTrail Intelligent Tracking **Control System**

This system integrates advanced hardware and software technologies such as artificial intelligence algorithms, Internet of Things (IoT), and cybersecurity. It is an intelligent tracking control system specifically designed for solar trackers, offering high efficiency, stability, and security. The design and development of a prototype were completed in 2024.



Iterative Upgrade of SolarAID **Online Design Platform**

The SolarAID online design platform is used for rooftop surveying and automatic calculation, generating mounting installation solutions and material lists. In 2024, new functions were added, including automatic wind and snow load calculation. ballast algorithm implementation for flat roofs, obstacle drawing optimization, improved website access speed, and user-defined web portals.



Phase II R&D of Digital Software ATSolarDesktop

ATSolarDesktop is a digital software solution for the automated design of tracking mounting projects. In 2024, we completed the second phase of development, which includes new features such as the client interface. GA drawing generation module, and BOM module. These upgrades have expanded the software's applicability and enhanced its automation capabilities.



R&D of Mounting System Products



R&D of AT-Spark Tracking Mounting System

This product addresses key challenges of solar tracking mounting systems by introducing innovative designs in both the overall system and its structural joints. The result is a tracking solution offering higher cost-efficiency and reliability. In 2024, the conceptual design was completed, and the detailed design was substantially finalized.

R&D of Tracking Mounting System Products



R&D of Agricultural PV **Tracking Mounting System**

This tracking mounting system is tailored for agricultural PV applications, enabling dual land use for both agricultural production and solar power generation. It enhances land-use efficiency from both ecological and economic perspectives, fostering positive synergy between farming and solar systems. The detailed design was completed in 2024.



R&D of Tracking Mounting System with High Terrain Adaptability

This system features strong adaptability to varied terrain, including slopes and undulations. It minimizes land leveling work on uneven ground, expanding the applicability of trackers to non-flat terrains. In 2024, the detailed design and prototype assembly testing were completed.

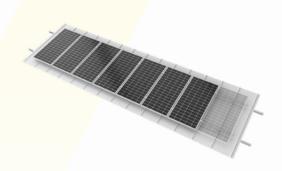
R&D of Four-post Aluminum Carport

■ This product applies to residential and commercial solar carport construction, accommodating both perpendicular and angled parking layouts. The base structure uses carbon steel to ensure stability, while the columns and beams are made of aluminum alloy, offering lightweight construction and efficient installation.



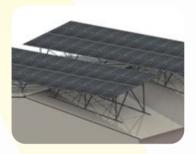
R&D of SnapFit Eco Series

■ An efficient and user-friendly racking system utilizing a "Ω-shaped fastener" design. During panel installation, middle and end clamps are no longer needed, allowing panels to be quickly placed, thus enhancing installation efficiency.



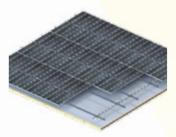
R&D of Elevated Rooftop System

 Designed for installation on color steel tile roofs, this system breaks away from traditional flat or slightly elevated mounting solutions. It improves rooftop utilization and installed capacity, allowing panels to be set at optimal tilt angles to maximize energy vield.



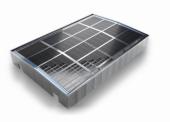
R&D of Second-generation TPO Flexible Roof **Mounting System**

■ This solution uses the inner steel plate layer of TPO flexible roofs as the bearing point. A specially designed clamp addresses the challenge of securing mounts on TPO surfaces. The second-generation design reduces local height differences, keeping the steel plate level with the roof, thereby accelerating on-site installation and lowering labor costs.



Upgrade of the "Taiyang Roof" BIPV Solution

■ Three BIPV solutions, Single Roof BIPV, "single-roof insulation" BIPV, and dual-roof BIPV, were upgraded to enhance product reliability. These solutions apply to commercial rooftops, factory roofs, and solar pergolas, achieving 100% waterproofing and insulation functionality for roofs.



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R&D of Fixed Mounting System Products



Key Technology R&D for Recycled Aluminum in High-performance PV Aluminum Profiles

The R&D team at Antaisolar has developed key technologies for the production of recycled aluminum rods through aluminum collection, classification, and pretreatment processes. These recycled ingots are then processed using specialized techniques to produce highperformance photovoltaic aluminum profiles. This effort has resulted in a stable and effective production process for recycled aluminum, offering an environmentally friendly and sustainable solution for the manufacturing of photovoltaic aluminum products.



Research on a High-strength, Easy-to-machine Aluminum Alloy without Coarse Grains

Through compositional and process optimization, we have developed an aluminum alloy characterized by high strength and excellent machinability. This significantly enhances processing efficiency and part precision, meeting the demanding requirements of precision manufacturing in the photovoltaic, electronics, and automotive industries.

Materials R&D

During the reporting period, Antaisolar's R&D investment reached RMB 46.32 million, accounting for more than 3.46% of the Company's operating revenue. The number of R&D personnel totaled 139. In 2024, 14 new R&D projects were launched, generating an additional RMB 328.47 million in revenue. Through continued investment in R&D, Antaisolar has achieved numerous innovations, driving the PV industry toward greater efficiency, intelligence, and reliability, and establishing itself as a leading force in technological advancement within the sector.



Intellectual Property Protection

Robustness

Antaisolar regards intellectual property as a core strategic asset and has established a systematic, full-lifecycle intellectual property protection and management system, effectively supporting the Company's innovation-driven development strategy. Through institutional safeguards, process integration, and risk control mechanisms, we have achieved rigorous intellectual property protection, efficient utilization, and scientific management, laying a solid foundation for enhancing our core competitiveness.

During the reporting period, we updated the Intellectual Property Management Manual and the Intellectual Property Incentive Policy, refining incentive distribution rules, expanding coverage, and strengthening risk control. These improvements enhanced the fairness, effectiveness, and operability of our intellectual property policy framework, providing robust institutional support for intellectual property creation.

Warning Retrieval for Patents

- Standardized description of technical solutions
- Systematic search for potentially conflicting patents
- Comparative analysis of technical features
- Infringement risk assessment
- Commercialization decisionmaking

Infringement Tracking

- Monitoring for potential infringement clues
- Evidence collection and documentation
- Legal enforcement against infringement
- Execution of infringementrelated resolutions

Long-term risk prevention and

Strategic analysis of competitors' actions

filed patents

Risk evaluation for our intellectual property layout

Competitors' Patent Layout Investigation

Tracking competitors' patent

Targeted searches for newly

Identification of technical

features of interest

deployment strategies

In 2024, to further strengthen corporate intellectual property protection, we joined the provincial and municipal key enterprise intellectual property protection organization initiated by the Zhangzhou Political and Legal Affairs Commission and Zhangzhou Bureau of Industry and Information Technology. We also participated in multiple intellectual property training sessions and diagnostic guidance programs. Internally, we actively carried out intellectual property training programs for our technical staff, integrating theoretical instruction with practical exercises. These efforts enhanced the team's ability to conduct basic patent searches, perform analyses, and avoid infringement risks, embedding intellectual property awareness throughout the R&D process.

Number of patent applications

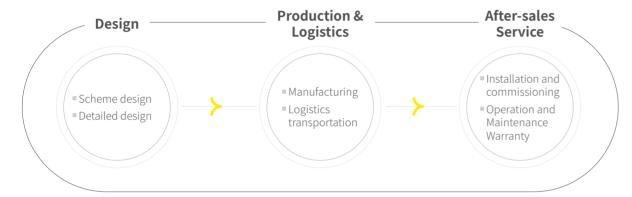
Number of valid patent grants



Robustness

Premium Customer Service

At Antaisolar, we place customer needs at the core of our operations and are committed to continuously enhancing service quality while upholding responsible marketing practices. We have developed the Antaisolar Project Management Delivery Guidelines, establishing a standardized management system that covers the full lifecycle of service, from design and planning to manufacturing, logistics, and after-sales support. This ensures both efficiency and compliance throughout the service process. Relying on a systematic and professional customer service training framework, we continuously work to improve the technical capabilities and service awareness of our support teams, striving to provide customers with a full-process, high-standard service experience.



Antaisolar's Full-Process Customer Service Management

During project execution, we combine on-site support with email-based assistance to build a highly efficient and collaborative communication model. Through prompt issue resolution, professional technical engagement, and regular feedback mechanisms, we ensure seamless coordination. We also tailor communication strategies based on project-specific needs, ensuring timely and clear information delivery, effective response to customer demands, and strong assurance for smooth project delivery and customer satisfaction.

On-site Engineer Stationing

52

Antaisolar offers localized services in Europe, South Asia, Southeast Asia, and South America. Local engineers are available for direct communication and immediate response to regional client needs. Weekly meetings are held with customers to report on-site progress and resolve any issues.

Online Email Communication

For domestic projects, support staff ensure constant email availability. Clients may contact us via email for any technical inquiries or material-related requests, to which we respond promptly.

Antaisolar established a standardized, closed-loop customer complaint management process. We have formulated the Customer Complaint Handling Procedure and, through the best practices in the Feishu Cloud Document Customer Complaints & After-Sales Process Optimization, and the OA system form External Customer Complaints & After-Sales Handling Application Form, we systematically address customer complaints and develop resolution plans.



Complaint Acceptance Stage

- We strictly adhere to the 5W1H principle (What, Why, Where, When, Who, How) to ensure complete and categorized documentation of all complaint information.
- A dedicated customer service channel is established, with a commitment to providing an initial response within 24 hours and a proposed resolution framework within 48 hours.



Feedback and Resolution Stage

- A three-tier escalation mechanism is in place, based on the severity of the complaint, to ensure timely escalation, meeting-based resolution, and closed-loop handling, supported by a regular review system.
- For complaints with confirmed responsibility, we offer fee reductions or service compensation as a priority, followed by internal root cause analysis for continuous improvement.



Analysis and Improvement Stage

- We adopt the Define, Measure, Analyze, Improve, Control (DMAIC) methodology to systematically summarize complaint cases and implement closed-loop management.
- Complaint data is regularly compiled and analyzed concerning overall project profitability and loss comparison, with interdepartmental collaboration for continuous process optimization.

Antaisolar's Customer Complaint Handling Process

Antaisolar is committed to enhancing customer service professionalism and optimizing the customer experience through systematic training. We have established a comprehensive training program covering project management, delivery guidelines, product technology, and issue resolution to elevate the professional competence of our customer service personnel. During the reporting period, we conducted project management training for domestic staff in the delivery and service center, with courses focusing on project management tool application, Gantt chart-based schedule control, and delivery guidelines. These efforts have empowered customer service teams to respond accurately and resolve issues professionally, continuously improving service reliability and customer satisfaction.

Indicator	Unit	202
Number of customer complaints	/	16
Customer complaint rate	%	6.8
Customer complaint handling rate	%	95.8
Number of customers contacted for follow-up calls	/	4,01
Customer satisfaction	%	93.2













RAISE



Antaisolar firmly believes that human capital is a key strategic are committed to protecting employee rights and fostering team training and development framework, a competitive remuneration and benefits mechanism, and a healthy and friendly working sense of happiness and belonging.

Diverse, Equal, and Compliant Employment

At Antaisolar, we uphold the principles of fairness and impartiality throughout the entire employment process. A standardized recruitment mechanism ensures compliance and transparency in talent selection. We provide all employees with equal opportunities for employment and development and continue to enhance diversity and inclusion measures to effectively safeguard employees' lawful rights and interests.

Labor Rights Protection

Antaisolar strictly complies with the Labor Law of the People's Republic of China, the Labor Contract Law of the People's Republic of China, and other relevant laws and regulations. We have established a comprehensive employee management system, including the Employee Handbook, Code of Conduct, Regulations on Recruitment and Induction, and Regulations on Rank and Position Management, to ensure the full protection of employees' legitimate rights and interests. We adhere to the principle of equal employment and are dedicated to creating a diverse and inclusive work environment.

The Company follows the recruitment principles of "Integrity, Merit-based Selection, and Planning", and has established a standardized talent selection mechanism. Through various channels such as social recruitment, campus recruitment, and internal referrals, we conduct multi-dimensional assessments, including structured interviews, qualification verification, and background checks, to strictly control candidate entry standards. All prospective hires must undergo document verification and formally sign a labor contract before onboarding, ensuring a high degree of alignment between talent quality and job requirements, and providing sustainable human resource support for the Company's development.

Integrity

Strictly verify applicants' resumes and credentials to ensure authenticity and reliability

Merit-based Selection

Select reliable, well-matched, and high-caliber candidates based on departmental staffing

Planning

Formulate a recruitment plan and guide employee recruitment according to the Company's operation and management objectives

Antaisolar Recruitment Principles

Antaisolar respects internationally recognized human rights and labor standards, including the United Nations *Universal Declaration of Human Rights,* the United Nations *Guiding Principles on Business and Human Rights,* the *OECD Guidelines for Multinational Enterprises,* and the *Tripartite Declaration of Principles concerning Multinational Enterprises and Social Policy* of the International Labour Organization. We firmly prohibit the use of child labor and forced labor.

For any instance of forced labor, the Company will take disciplinary action as per the severity of the case, which may include warnings, suspension, or termination, and in serious cases, pursue legal accountability. If child labor or misreported age of underage workers is discovered, the Company will immediately terminate the employment arrangement and, within three working days, assist the individual in undergoing a health examination at the local centers for disease control and prevention. The incident will be reported to the local Labor and Social Security Bureau as per the law to ensure full protection of minors' legal rights. During the reporting period, there were no incidents of child labor or forced labor at Antaisolar.

Equality and Diversity

Antaisolar is committed to fostering a diverse, equal, and inclusive workplace. We firmly oppose all forms of discrimination and ensure that all employees enjoy equal opportunities and fair treatment. Our *Employee Handbook* and *Code of Conduct* prohibit discriminatory practices in recruitment, promotion, and other employment decisions based on gender, race, religion, nationality, age, disability, political affiliation, or sexual orientation. We actively advocate for equal pay for equal work between men and women. The Company enforces a zero-tolerance policy toward harassment, bullying, and abuse. Depending on the severity of the case, disciplinary actions such as warnings, suspension, or termination may be taken. In serious cases, legal accountability will be pursued.

We have established multiple reporting channels (email, telephone, suggestion boxes, etc.) to ensure employees can report workplace violations promptly. We are committed to maintaining the confidentiality of all reports and have designated investigation teams to conduct objective reviews. Confirmed violations will be dealt with strictly as per the laws and regulations.

During the reporting period, Antaisolar conducted a series of campus recruitment fairs at universities, including Fuzhou University and Huaqiao University. These efforts attracted outstanding candidates of different nationalities, ethnicities, genders, and social backgrounds, further enhancing the diversity of our workforce.







2024 Campus Recruitment Fair

Global Team Integration Activities

In 2024, Antaisolar successfully held the Global Team Integration Week activities at its headquarters in Xiamen, bringing together employee representatives from various cultural backgrounds around the world. This event featured three key modules: global business training, strategic planning discussion, and multicultural experience activities. It significantly enhanced cross-cultural management capabilities and strengthened the talent foundation for the Company's globalization strategy.



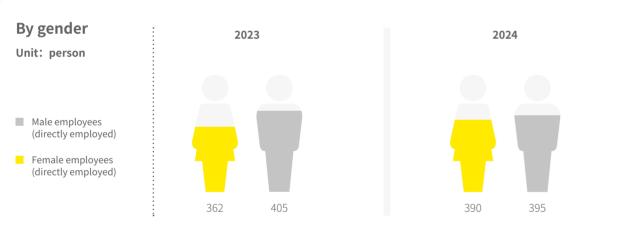


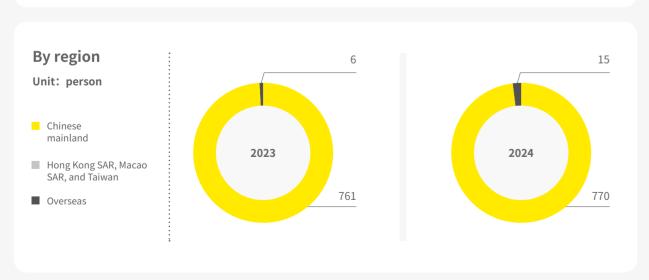


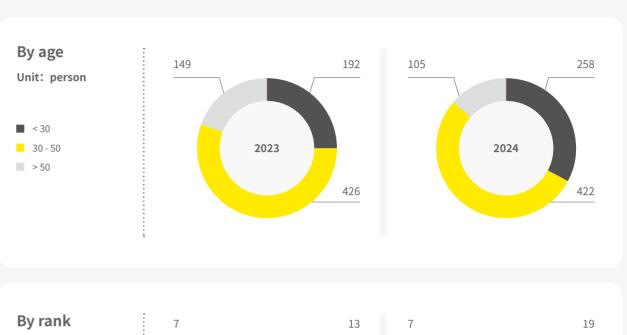
Global Team Integration Week Activities

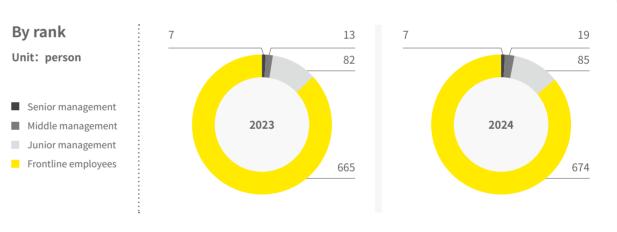
Human Resources Data of Antaisolar

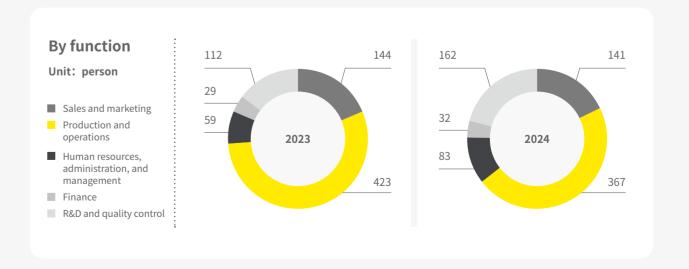












Robustness

Employee Training and Development

Talent is the core driving force behind high-quality corporate development and a key source of competitive advantage. Antaisolar is committed to growing together with employees and sharing success. Through a diversified training system and a well-structured career development pathway, we provide continuous learning opportunities and platforms that support both individual career aspirations and corporate development.

Employee Training

To build a structured training and development system and improve overall corporate performance, Antaisolar updated its *Training Management Guidelines* in 2024, fully upgrading the employee training management mechanism. The aim is to establish a tiered and categorized training plan and implement systematic, continuous talent development programs to enhance professional capabilities, job skills, and work efficiency across the organization.

Specifically, the Company has established a systematic training system of "corporate culture - job skills - leadership development", aiming to strengthen value recognition through corporate culture training, enhance business capabilities through job skills training, and cultivate management talents through leadership training, to achieve a two-way empowerment of employees' professional qualities and the development needs of the organization.



Corporate Culture Training

• Onboarding Training: For all new employees, covering corporate culture, HR and administrative policies, OA system, email usage, etc.



Job Skill Training

- General Skills Training: Aimed at improving employee competencies in business processes, project management, etc.
- Professional Skills Training: Aimed at employees in various technical areas to deepen expertise and meet job-specific requirements.
- Information Security Training: Aimed at raising employees' awareness of information security.



Leadership Training

- Introductory Training: For first-line managers, focusing on team management and communication skills.
- Advanced Training: For mid- and senior-level managers, emphasizing strategic thinking and decision-making abilities.

Antaisolar's Employee Training System

TTT Training Camp

The Training the Trainer (TTT) training camp is a key leadership development initiative designed to build a strong internal instructor team, facilitating the effective transfer of organizational knowledge and experience. Led by industry training experts, the training camp includes lectures, role-playing, and practical assessments to enhance participants' instructional delivery and course development capabilities.

By the end of the reporting period, 23 employees had passed the assessment of the TTT Training Camp for trainers and become internal trainers. Additionally, 23 internal courses had been developed, covering multiple fields such as corporate culture and professional skills. This effectively reduced the Company's external training costs and promoted the accumulation and sharing of the Company's knowledge assets.





Antaisolar also encourages employees to pursue external professional certifications to continuously enhance their expertise. In 2024, we launched a dedicated PMP certification training program aimed at strengthening the Company's overall project management capabilities.

Dedicated PMP Certification Training Program

To enhance the professional capabilities of core talent in project management and build a more competitive project execution team, Antaisolar organized three PMP certification training programs during the reporting period. The programs were led by experienced project management experts and covered PMI knowledge frameworks, case studies, and mock exams, providing comprehensive support for employees preparing for the certification.

A total of 15 key employees participated in the program, and 14 successfully passed the PMP exam on the first attempt, achieving a pass rate of 93.75%. Certified employees are now eligible to apply for intermediate professional titles. This not only addresses the Company's gap in professional technical titles but also helps optimize the talent pipeline, laying a solid foundation for the efficient execution of major projects.



During the reporting period, the Company conducted 68 training sessions via a combination of the online "Ant Academy" platform and offline centralized classes, with 2,524 participants and an average training coverage rate of 65.33%⁴. These training sessions significantly enhanced employees' professional quality, job competence, and corporate culture identity.

⁴Antaisolar's production and manufacturing bases and overseas employees were not included.

Robustness

Employee Development

Antaisolar strictly adheres to internal policies such as the Regulations on Rank and Position Management and the Detailed Rules for Promotion Management, continuously optimizing its talent development mechanisms to align talent selection with strategic goals. We have established a comprehensive career development pathway encompassing five career tracks: Management, Technical, Sales, Professional, and Manufacturing Tracks, and six job levels across twelve ranks. Based on performance and capability assessments, employees may be promoted or transferred annually either within their current track or across tracks, promoting joint development of employees and the Company.



Six Job Levels

Moreover, to support newly promoted middle managers, the Company implements a mentorship system, pairing them with senior managers for experiential learning and hands-on guidance to systematically enhance their managerial and leadership capabilities.

In 2024, Antaisolar also launched a talent competency model development project to systematically establish a competency standards framework covering all positions. By thoroughly analyzing business strategy and job characteristics, we built a competency evaluation system aligned with corporate development, improving the accuracy and scientific basis of talent management. As of the end of the reporting period, the core model framework had been completed and was being integrated into key processes, including recruitment, talent development, and performance evaluation. Moving forward, we will regularly optimize and iterate the model based on adjustments to business strategy and competency development needs to ensure that competency standards remain aligned with organizational development.

Strategy and **Business Alignment**

Analyze the core value of the Company's strategy, culture, and position to clarify the model orientation

Job Analysis and **Data Collection**

Use Behavioral Event Interview (BEI), job descriptions, and performance data to extract key responsibilities and success factors

Competency Identification and Grading

Summarize the ability dimensions such as knowledge, skills, and quality (such as communication and pressure resistance). and define the behavior description according to the level (basic/ competent/excellent)

Model Building and Validation

■ Integrate capabilities into a framework and validate it via expert discussions

Competency Model Development Process

Data on Indicators Related to Employee Training and Development of Antaisolar

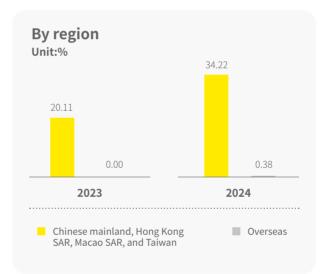
Indicator	Unit	2023	2024
Total number of trained full-time employees	/	797	2,52
Investment in training	RMB thousand	430	34
Training hours per employee⁵	hours	28	2

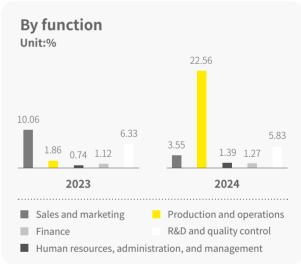
⁵ Antaisolar's production and manufacturing bases and overseas employees were not included

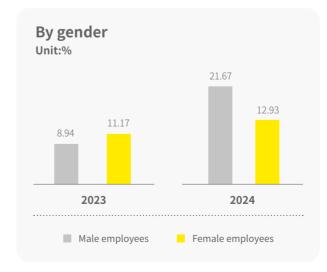
The Company actively promotes cross-regional and cross-functional mobility, continuously improving job rotation mechanisms and related incentive policies. Through strengthened development support and internal talent pool tracking, we ensure smooth internal mobility and talent optimization, cultivating a dynamic and interactive talent development ecosystem.

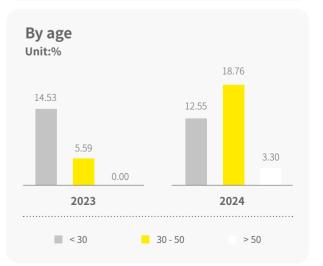
As of the end of the reporting period, Antaisolar's employee turnover rate was 32.94%, with detailed breakdowns as follows:











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Employee Care

Antaisolar is committed to building a people-oriented development ecosystem. Through a comprehensive remuneration and benefits system, diverse cultural and recreational activities, and open communication channels, we listen attentively to employees, pay attention to the growth needs of employees, and create a dual experience of value growth and happy work for employees.

Remuneration and Benefits

We rigorously implement the *Regulations on Rank and Position Management* and set scientific compensation standards based on market benchmarks, job categories, and job levels. We adhere to the principle of equal pay for equal work and regularly monitor and analyze remuneration indicators to ensure fair distribution.

Our current salary structure includes fixed salaries, piecework pay, performance bonuses, and commissions. Salary adjustments are made every April and October, based on company performance and individual results. Managers are required to communicate with employees about performance outcomes and assist in setting personal development plans. For employees needing performance improvement, the Company offers dedicated coaching to help them identify gaps and formulate actionable improvement plans.

In terms of benefits, we continue to implement the *Employee Benefits Management Regulations*, further enhancing our benefits system to increase employee satisfaction and engagement. Based on in-depth research into employee needs, we design and implement targeted benefits programs to ensure every employee feels supported and appreciated, thereby strengthening organizational cohesion.

Insurance/ Health

Social insurance
Housing Provident
Fund

Commercial insurance

Employee physical examination

Vacation Benefits

Statutory holidays

Annual leave

Paid annual leave

Wedding and funeral leave

Privileged leave

Club activities Act

Festival benefits

Cash gift benefits adva

Birthday benefits

Hospital visits

Afternoon tea

Overtime snacks

Employee

Care

Other Benefits

Activity funds

Academic advancement award

Flexible time

Employee Benefits System

In 2024, Antaisolar was honored with the title of "Model Enterprise of the Year in Remuneration and Benefit" by China Merchants Bank Xiamen Branch.



Employee Activities

Antaisolar continuously prioritizes employees' physical and mental well-being. We organize regular cultural and recreational events and have opened Antaisolar libraries in both Xiamen and Shanghai to enrich employees' leisure time. During the reporting period, we held a series of activities, including badminton tournaments, spring outings, and family open days, fostering team bonding and creating a positive corporate culture.

"Run Together, BabyAnts" Spring Outing Activity

In 2024, Antaisolar organized the "Run Together, BabyAnts" spring outing of cycling and running clubs and a family open day, integrating team building, employee care, and sustainability philosophy. During the event, the adult group participated in "hiking competitions + assistant check-ins" to strengthen team collaboration. The parent-child group engaged in stream trekking, water play, and nature classes, with child safety officers and a parent-child photography zone provided to help employees balance work and family life. This activity not only strengthened team cohesion but also conveyed the Company's vision of "Raise a Green World" through an educational and entertaining approach.





"Smash & Rally: Ant Badminton Showdown" Winter Tournament

During the reporting period, the Xiamen Badminton Club successfully hosted a winter badminton tournament, featuring a unique team-based points system designed to promote cross-departmental collaboration and integration. The format broke away from traditional mixed doubles, encouraging employees to form interdepartmental teams. Through tactical collaboration and a progressive scoring system, every shot becomes a testament to team synergy. This event uses sports competition as a vehicle to seamlessly integrate team building and cultural fostering, showcasing Antaisolar's humanistic care.





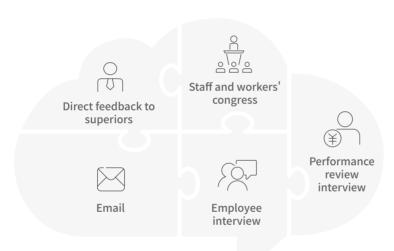
Antaisolar Library

To enrich employees' intellectual and cultural lives and to build a learning-oriented organization, Antaisolar established company libraries in both Xiamen and Shanghai. As of the end of the reporting period, the libraries housed a total of 427 volumes, covering six major categories: reference books, literature and history, politics and law, economics, business management, and science. The libraries provide diversified learning resources for employees.



Employee Communication

Antaisolar regards employee feedback as a key driver of organizational development and has built a robust communication and feedback mechanism to ensure effective dialogue between staff and management. During the reporting period, the Company successfully held a Staff and Workers' Congress, where the revised Employee Handbook was reviewed and approved. The updated handbook emphasizes the Company's respect for employees' rights to freedom of association and collective bargaining, further strengthening the foundation for democratic corporate governance.



Employee Communication System

Our employee interviews primarily target new hires, employees who passed probation, and those who are leaving the Company.

Interview for New Hires	Interview for Regular Employment	Interview for Leave
■ Understanding new hires' adaptation, including their work, peer relations, and work coordination with supervisors	Communicating the results of the probationary evaluation and providing feedback on the employee's overall performance during the probation period, including strengths and areas for improvement	 Understanding the reasons for resignation and the employee's concerns, and soliciting suggestions for improvement

Employee Interview Mechanism

Occupational Health and Safety

Robustness

Antaisolar places great emphasis on the health, safety, and well-being of its employees. We continuously enhance our occupational health and safety (OHS) management system, strengthen workplace safety processes and the construction of a safety culture, and are committed to creating a safe and healthy working environment that provides a solid foundation for the Company's sustainable growth.

Occupational Health and Safety Management System

In 2024, Antaisolar strictly complied with the Workplace Safety Law of the People's Republic of China, the Law on the Prevention and Control of Occupational Diseases of the People's Republic of China, and other relevant laws and regulations. Internally, we implemented key OHS policies, including the Safety and Environmental Protection Management Procedures, Workplace Safety Responsibility System, and the Safety Inspection and Hazard Rectification Management System. These systems define the responsibilities of each department in managing potential safety hazards and enforce a performance appraisal system for workplace safety. We have also strengthened supervision, inspection, and a closed-loop rectification mechanism to ensure the life and health of employees.

In 2024, the Company focused on the efficient implementation of its OHS management organizational structure, further clarifying departmental responsibilities, standardizing workplace safety norms, and enhancing supervision and support mechanisms. This has laid a strong organizational foundation for the implementation of our occupational health and safety policies and objectives. The Company has established a Workplace Safety Committee (hereinafter referred to as the "Safety Committee"), chaired by the General Manager, with department heads as members. Under the Safety Committee, there is an Environmental, Health, and Safety (EHS) Department, led by a full-time EHS officer and supported by part-time safety officers as members. The EHS Department serves as the Company's highest safety management body, being responsible for overall corporate safety and reporting to the Safety Committee. In addition, the Company strictly implements a three-tiered safety management system at the company (plant), workshop, and team levels, with each department head assuming direct responsibility for safety within their respective department or workshop.

Workplace Safety Committee

- Promote and implement laws, regulations, and standards related to production safety;
- Coordinate the resolution of major safety issues, review emergency plans, and organize drills.
- Review accident and hazard reports, determine handling plans, and supervise corrective actions;
- Monitor and inspect the implementation of safety management by various departments and the operation of the safety management system

Environmental, Health, and Safety Department

- Develop and implement production safety plans, policies, and operating procedures, and organize safety awareness and training programs;
- Conduct regular and special safety inspections, and identify, prevent, and rectify safety hazards and violations;
- Supervise production safety at company sites and construction sites, ensuring corrective actions are completed.
- Organize production safety meetings and propose preventive measures.
- Review and verify personal protective equipment, and supervise its distribution and usage:
- Investigate, compile statistics, analyze, and report injury and accident incidents:
- Establish and maintain internal emergency response plans, and periodically organize related drills.

Occupational Health and Safety Management Structure

In 2024, the Company continued to strengthen the formulation of its EHS management objectives, successfully achieving all annual control targets. During the reporting period, the Company maintained a "Three Zeros" safety record: zero serious injuries, zero fatalities, and zero administrative penalties, demonstrating the remarkable effectiveness of its occupational health and safety management.

By the end of the reporting period, all stable production bases of Antaisolar had obtained certification under the ISO 45001 Occupational Health and Safety Management System.



ISO 45001 Occupational Health and Safet

cases

LTI (serious cases with

≥ 105 lost workdays)

100 %
Employee participation in safety training

Cases
Occupational disease

≤20 case

LTI (minor cases with < 105 lost workdays)

cases
Fire incidents

cases
Administrative penalty

Workplace Safety Management

Robustness

We continuously enhance our OHS risk prevention and control framework by developing and implementing the *Safety Risk Identification, Assessment, and Management System*. Each year, we systematically conduct hazard identification and risk assessments across all business processes. Our four-in-one control mechanism comprises risk identification and control checklists for key areas (e.g., facilities, premises), risk identification and control checklists for critical operating activities, hazard identification and risk evaluation forms, and a major hazard inventory. Closed-loop management is achieved through our OA digital system's hazard remediation workflow.

Antaisolar has established a comprehensive workplace safety management system that ensures operational safety through multidimensional control measures. We implement a monthly safety inspection mechanism, leveraging the OA system for end-to-end digital tracking of hazard identification, rectification, and acceptance, and we maintain a complete workplace safety ledger. In equipment safety, we formulate annual and monthly inspection and maintenance plans and execute them rigorously. We also enforce annual lightning protection testing and regular inspections of special equipment to guarantee safe production. Furthermore, we install risk warning signage in critical operating areas to continually raise safety awareness among all personnel.







On-Site Safety Inspection

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Periodic Inspection Report of Lightning Protection Devices



Periodic Inspection Report of Lifting Machinery



Periodic Inspection Report of Dedicated Motor Vehicles within Premises (Factories)



On-Site Risk Warning Signage



Safety Culture Development

The Company systematically established a comprehensive safety education and training system. By formulating and implementing standardized documents such as the *Safety Training and Education System* and the *Emergency Response Management System*, we have carried out routine safety training and practical emergency drills, significantly enhancing employees' capabilities in risk identification, hazard prevention awareness, and emergency response effectiveness.

During the 2024 Workplace Safety Month, the Company organized a series of engaging, educational activities, such as a group photo contest, a three-man four-legged team escape simulation, and a hazard identification skills competition, integrating fun with learning. These events were complemented by a dedicated incentive fund, which effectively boosted employee participation. In addition, the Company fully utilized a variety of communication channels, including plant-wide banners, themed bulletin boards, and looping safety education videos in the cafeteria, to promote a culture of safety across all areas.





2024 Workplace Safety Month Activities









Multi-channel Safety Awareness Raising

Occupational Disease Prevention

Antaisolar strictly adheres to the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, the Regulations on Labor Protection in Workplaces Where Toxic Substances Are Present. We have formulated and implemented internal regulations such as the Occupational Disease Hazard Prevention and Control Policy and the Personal Protective Equipment Management Policy to systematically prevent occupational health risks. These policies also clarify employees' rights and protections related to occupational health, ensuring that their workplace health interests are fully safeguarded.

Advancement

Through measures including regular testing of occupational hazard factors, organizing occupational health checkups, and providing professional protective equipment, we effectively protect employees' health rights. The Company continues to refine a long-term occupational health management mechanism to ensure the effective implementation of all related policies.

During the reporting period, the Company established a systematic and multidimensional occupational health protection system. We regularly organized occupational health checkups for employees, conducted routine testing of workplace hazard factors with results disclosed publicly, and strictly enforced the standardized distribution and supervision of protective gear usage. In addition, we provided occupational health and safety education and training to enhance employees' awareness and capabilities in occupational health protection.







Standard Use of Personal Protective Equipment (PPE)

OHS Education and Training



During the reporting period, Antaisolar recorded no incidents of non-compliance with occupational health and safety laws and regulations, and no employee fatalities resulting from work-related causes.

Number of Employee and Contractor Fatalities of Antaisolar

Indicator	Number of work-related fatalities among employees	Number of work- related fatalities among contractors
Unit	persons	persons
2023	0	0
	0	0







RAISE

Symbiosis

Antaisolar adheres to the philosophy of green development, integrating environmental protection deeply into our corporate development strategy. We have systematically advanced the establishment of our environmental management system throughout the entire production and operation process, continuously optimizing pollution control measures, scientifically planning resource utilization, actively exploring low-carbon transition pathways, and striving to build an environmentally friendly production model. Our goal is to promote the coordinated development of corporate growth and ecological preservation.

Environmental Management System

Antaisolar complies with the Environmental Protection Law of the People's Republic of China and other relevant domestic and international environmental regulations, ensuring that all our global operations strictly observe local legal requirements. We earnestly fulfill our environmental management responsibilities and continuously refine our environmental protection systems and management frameworks. In 2024, we implemented the Safety and Environmental Protection Management Procedures, which clearly define responsibilities for identifying and managing hidden hazards related to production safety and environmental safety, along with the duties of relevant functional departments involved in this process. This initiative aims to establish a long-term mechanism for identifying and addressing potential safety and environmental risks, thereby preventing and reducing accidents. In addition, we have developed a well-structured and standardized environmental management framework that assigns and enforces environmental responsibilities at all levels, enhancing the overall effectiveness of environmental governance.



Environmental, Health, and Safety Department

- Oversees environmental management across all departments
- Coordinates environmental policy communication and organizes professional training
- Implements and delivers the mid- to longterm strategy for energy conservation and environmental protection, and integrates environmental principles into operational



Board of Directors

- Approves internal policies related to environmental management
- Establishes environmental goals and annual plans
- Supervises the implementation of environmental objectives and plans
- Develops mid- to long-term strategies for energy conservation and environmental protection



All Departments

■ Execute specific environmental management measures as per the plans and targets set by the Environmental, Health, and Safety Department

Environmental Management Framework of Antaisolar

The Company has established a stringent environmental accountability mechanism. During internal environmental reviews or operational processes, if a major environmental violation or emergency is identified, we respond according to the nature, scope, and severity of the incident. Disciplinary measures may include, but are not limited to, downgraded performance assessments, financial penalties, or adjustments to managerial positions for responsible departments and personnel. During the reporting period, no environmental pollution incidents occurred within the Company's operational scope, and no administrative penalties related to environmental issues were incurred.

Emergency Rescue Drill for Hazardous Waste Incident

Robustness

In 2024, Antaisolar organized an emergency rescue drill for a simulated hazardous waste incident involving a cutting fluid leakage during transfer. The drill focused on evaluating the feasibility of the emergency response plan and tested personnel's real-time capabilities in key areas such as personal protective equipment usage, spill control, environmental monitoring, and personnel evacuation. The exercise significantly enhanced employees' emergency response skills, providing strong support for safe operations.





Moreover, in 2024, Antaisolar conducted a specialized training program for production departments on hazardous waste management. The training covered safety protocols for hazardous waste handling and management requirements for key stages such as collection, transportation, temporary storage, and disposal. Through a corresponding evaluation mechanism, the training effectively enhanced employees' awareness and competencies in the standardized management of hazardous waste. By the end of the reporting period, all of Antaisolar's stable production bases had successfully obtained ISO 14001 Environmental Management System certification.

By the end of the reporting period

all of Antaisolar's stable production bases had successfully obtained ISO 14001 Environmental Management System certification.





Emissions and Waste Management

Antaisolar regards waste management as a core component of its environmental governance and has established a standardized management system covering wastewater, exhaust gas, and hazardous waste. Through standardized procedures, resource utilization, and intelligent monitoring, we have systematically improved pollution control efficiency. In 2024, we achieved zero leakage in wastewater management, 100% compliant discharge of exhaust gas, and 100% lawful disposal of hazardous waste, steadily advancing the coordinated development of our operations and the ecological environment.

Wastewater Management

Antaisolar strictly complies with the *Law on the Prevention and Control of Water Pollution of the People's Republic of China* and relevant regulations at our overseas sites during operations. We have formulated the *Wastewater Treatment Operation Guidelines* to standardize treatment procedures in production workshops, ensuring that all types of wastewater are discharged in compliance with regulations and continuously improving our environmental management performance⁶.

Anti-Leakage Measures for Wastewater

In line with our internal wastewater treatment policies, we have implemented stringent anti-leakage measures for wastewater treatment facilities and surrounding areas. These measures include foundational anti-seepage construction, key monitoring points, and regular maintenance inspections to ensure compliance with environmental protection standards.



Anti-Leakage Facilities in Wastewater Treatment Areas

Intelligent Wastewater Online Monitoring System⁷

Antaisolar utilizes an intelligent online monitoring system for wastewater, which conducts real-time, accurate monitoring of key water quality indicators such as chemical oxygen demand (COD), ammonia nitrogen, and pH. This system collects data via high-sensitivity sensors and dynamically monitors effluent quality through an intelligent analytics platform. If any monitored parameter approaches or exceeds national discharge standards, the system automatically triggers an alert and redirects the wastewater to the collection tank for reprocessing. This ensures stable, compliant treatment performance and significantly enhances the consistency and legality of wastewater discharge.



Equipment in Wastewater Monitoring Room

Data on Relevant Indicators of Wastewater Discharge of Antaisolar

Robustness

Indicator	Unit	2023	2024
Total wastewater discharge	ton	66,245	35,38
Total COD discharge	ton	3.733	2.282
Total ammonia nitrogen discharge	ton	0.302	0.079

Exhaust Gas Management

During the production process, the Company generates industrial exhaust gas, mainly including alkaline mist, nitrogen oxides, and sulfuric acid mist. To fulfill our environmental responsibilities, we strictly implement exhaust gas management protocols. Acid and alkaline mist generated during production is fully collected via an air extraction system, treated, and neutralized through professional facilities before being discharged in compliance with standards. To ensure compliant emissions, the Company adheres strictly to emission permit requirements and commissions qualified third-party testing agencies to conduct regular exhaust gas emission testing. According to the 2024 testing reports, the Company maintained a 100% compliance rate for exhaust gas emissions throughout the year, with no instances of excessive discharge or environmental violations.



Industrial Exhaust Gas (Organized) Alkali Mist Emission Test Report



Industrial Exhaust Gas (Organized) Nitrogen Oxides and Sulfuric Acid Mist Emission Test Report

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Data on Relevant Indicators of Exhaust Emissions of Antaisolar

Indicator	Unit	2023	2024
Total exhaust gas emissions	m³	107,052,000	270,413,232
Total particulate matter emissions	ton	1.43	0.026
Average particulate matter emission concentration	mg/m³	13.35	3.1
Total SO ₂ emissions	ton	1.201	(
Average SO ₂ emission concentration	mg/m³	52	C
Total NO _x emissions	ton	3.331	2.49
Average NO _x emission concentration	mg/m³	97	107.7

⁸ The 2024 wastewater discharge data covers the total emissions from Antaisolar Phase I plant during its official production stage and Phase II plant during its trial production stage.

⁶The wastewater treatment system described in this Report specifically refers to the treatment facility at the Phase II plant of Antaisolar Production Base, which also handles the treatment of wastewater generated by the Phase I plant.

⁷ It belongs to the Phase II plant of Antaisolar Production Base and also encompasses the monitoring of wastewater from the Phase I plant.

Waste Management

Antaisolar strictly complies with the *Solid Waste Pollution Prevention and Control Law of the People's Republic of China*, the *Technical Specifications for the Collection, Storage, and Transportation of Hazardous Waste*, the *Measures for the Management of Hazardous Waste Transfer*, as well as relevant environmental regulations in its international operations. Meanwhile, the Company actively promotes the resource utilization of general solid waste, achieving both environmental and economic benefits. In terms of hazardous waste management, Antaisolar has established standardized management systems, including the *Hazardous Waste Management Specifications* and the *Hazardous Waste Utilization and Disposal Process*. The Company has built dedicated hazardous waste collection warehouses, where centralized collection is implemented. Professional and certified hazardous waste disposal companies are entrusted to handle the collection, transport, and treatment of waste cutting fluid, waste chemical packaging, used mineral oils, and other types of hazardous waste generated during production, ensuring 100% compliant disposal. For general solid waste such as composite sludge, the Company applies regulated disposal measures by selling the sludge to qualified vendors with appropriate treatment capabilities for professional disposal and resource recovery, ensuring environmentally sound handling. In addition, Antaisolar continues to deepen its green operational practices. In 2024, the Company focused on reducing domestic waste and promoting the circular use of office resources. By fully implementing paperless office systems and establishing a shared-use mechanism for office supplies, Antaisolar has effectively improved resource utilization efficiency and reduced the generation of general solid waste.



Data on Waste Related Indicators of Antaisolar

Indicator	Unit	2023	2024
Total hazardous waste generated	ton	401.686	9.2625
Total general solid waste generated	ton	3,107.385	1,293.15
Total general solid waste that has been comprehensively utilized	ton	3,090.37	1,293.15

⁹ The 2024 data on the total generation of hazardous waste and general solid waste, as well as the total amount of general solid waste reutilized, covers the combined generation and/or reutilization during the official production phase of Antaisolar Phase I plant and the trial production phase of Phase II plant.

Addressing Climate Change

Antaisolar places high importance on the potential impacts of climate change on business operations and actively supports China's dual carbon goals. Climate governance is fully integrated into the Company's long-term development strategy. By establishing a mechanism for assessing climate-related risks and opportunities and continuing to promote energy conservation and emissions reduction, the Company is strengthening its climate resilience and laying a solid foundation for sustainable development.



Governance

Antaisolar integrates its climate management functions into the existing ESG governance framework, with responsibilities carried out at different levels by the Board of Directors, the Strategy and Sustainability Committee, and the ESG Working Group according to their established roles. The Board of Directors is responsible for developing climate strategies, reviewing climate-related risks and opportunities, and overseeing the implementation and achievement of climate-related policies, strategies, and goals. The Strategic and Sustainability Committee is responsible for identifying, analyzing, and formulating response plans for climate risks and opportunities, and reporting major climate risks to the Board regularly. The ESG Working Group, business departments, and subsidiaries are responsible for the implementation of specific climate response plans and ensuring the execution of risk mitigation measures.

Strategy

Antaisolar acknowledges the impact of climate change on the long-term sustainability of its business. By closely tracking domestic and international policy developments and analyzing industry trends, the Company regularly identifies major climate risks and opportunities. Based on these assessments, targeted response strategies are developed to mitigate the negative impacts of climate risks on operations. The key climate-related risks and opportunities identified during the reporting period, along with corresponding mitigation measures, are summarized in the table below.

Engagement

	pe of Climate Risk/ Description of Risk/ Potential Impact Opportunity Potential Impact		Potential Impact	Countermeasures
Physical Risk	Acute Risks	Extreme weather such as typhoons, heavy rain	 It may cause a delay in the construction schedule and an increase in cost. Damage to related assets may increase operation and maintenance costs. Increased safety risks (e.g., health risks, safety incidents, staff absenteeism) affect revenues and costs. 	 Formulate contingency plans for extreme weather, establish flood and typhoon prevention mechanisms, and actively conduct emergency drills to improve safety and emergency response capabilities Strengthen the hidden danger investigation and safety inspection of operational facilities and production equipment according to seasonal characteristics
	Chronic Risks	Climate change, rising temperatures, sea level rise, etc.	 It may increase the operation and maintenance costs. Reduced useful life of equipment affects asset value. Increased health risks may lead to poor working conditions for employees. 	 Optimize technical and management measures to ensure equipment safety and personal safety Consider the potential impact of future operations, and avoid the construction of projects in relevant areas in advance to reduce potential losses
	Policy Risks	Stricter environmental protection requirements and carbon emission control	 An increase in carbon market price and the implementation of carbon tax result in higher operating and procurement costs. There may be losses incurred from fines due to violations of laws and regulations. 	 Pay attention to domestic and international policies and regulations, and formulate corresponding measures to ensure that the Company operates in compliance Promote greenhouse gas emission inventories in all segments and subsidiaries
Transform	Market Risks	Risk of changes in market demand	Failure to adjust operational strategies promptly may result in a decline in market share as the market demands more low-carbon products.	 Understand customer requirements for environmental performance Adjust market and service strategies according to market demand
Transformation Risk	Technology Risks	R&D and investment in low- carbon transition technologies	 The increasing demand for low-carbon technology leads to an increase in R&D costs and investment costs. Lagging in low-carbon transition technologies may reduce the Company's competitive advantage. 	Keep an eye on low-carbon cutting-edge technologies and reduce their carbon footprint through technology iteration
	Reputational Risks	Stakeholders' demand for climate risk disclosure	■ With increased attention, non- compliance with disclosure or poor climate performance may lead to reputational damage.	 Regularly disclose climate change information through ESG reports Engage in external communications on climate change issues
Climate O _I	Products and Services	Increased market demand for green energy, low-carbon products, and services	Increased market demand for PV products will increase corporate revenue.	■ Deepen market demand, increase investment in innovation and research of new technologies, materials, and processes, and provide low-carbon products and services that meet and exceed market demand.
Climate Opportunities	Energy Structure Optimization	Use of renewable energy	■The use of renewable energy helps the Company save on energy costs.	■ Install renewable energy facilities such as PV panels in factories, continuously optimize the electricity consumption structure, increase the proportion of green electricity, and reduce operating costs

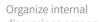
Antaisolar's Climate Risk and Opportunity List

Risk Management

Antaisolar continuously raises its awareness of climate-related risks and aims to identify the impacts of climate risks more scientifically and efficiently, while enhancing climate resilience. Meanwhile, the Company is gradually integrating climate risks into its overall risk management system to strengthen its ability to withstand climate-related challenges.

Risk Identification

Identify climate risks based on operational locations and business characteristics, in conjunction with the external environment and climate-related policies



Risk Assessment

discussions among management, business departments, and subsidiaries to evaluate the potential impacts of risks and prioritize them

Risk Response

Develop targeted response plans for each identified climate risk. Relevant departments and subsidiaries are responsible for the timely implementation

Inclusiveness

Monitoring and Improvement

Regularly review the implementation status of climate risk response plans and carry out continuous improvements where necessary



Antaisolar's Climate Risk Management Process

Metrics and Targets

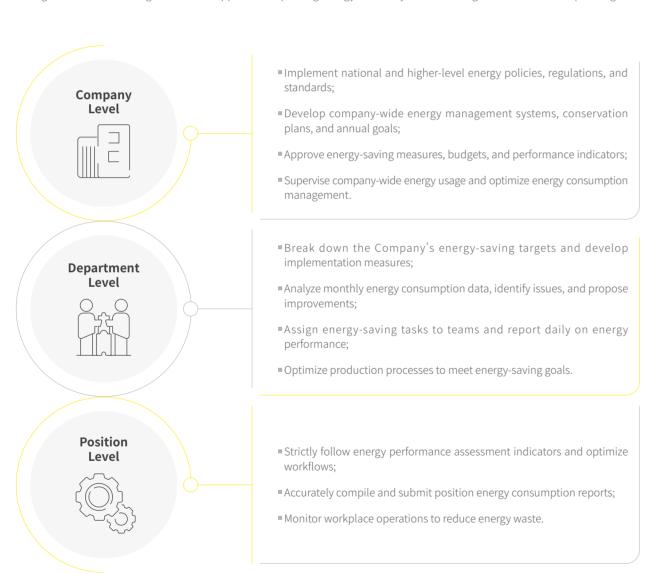
Antaisolar regularly collects and compiles greenhouse gas (GHG) emission data. During the reporting period, the Company's GHG emissions were as follows.

Indicator	Unit	2024
GHG emissions (Scope 1)	tCO₂e	2,081.85
GHG emissions (Scope 2)	tCO ₂ e	12,180.62
Total GHG emissions (Scope 1 + Scope 2)	tCO ₂ e	14,262.47

Energy Management

Antaisolar strictly complies with the Law of the People's Republic of China on Energy Conservation and other relevant regulations, establishing a systematic and standardized energy management system. The Company has formulated and implemented various institutional documents, including the Energy Review and Control Procedure, Energy Performance Parameter Control Procedure, Energy Baseline, Targets, and Indicators Control Procedure, as well as Energy Management Operation Control Procedure, to ensure standardized and orderly energy management.

In terms of organizational structure, the Company has built a three-tier energy management framework, comprising "company-level decision-makers, department-level managers, and position-level executors". By clearly defining responsibilities at each level, the Company has created a focused and accountable energy control mechanism, providing strong institutional and organizational support for improving energy efficiency and achieving sustainable development goals.



Organizational Structure for Energy Management

In 2024, the Company focused on implementing systematic management practices for key energy sources such as electricity, natural gas, and diesel. These efforts aim to ensure a stable energy supply while improving energy efficiency and optimizing the structure of energy supply and consumption.

Electricity Management Ensure a stable electricity supply and strictly enforce planned electricity usage.

- Complete the second sec
- Increase investment in PV power projects to raise the proportion of PV-generated electricity

Natural Gas Management

- Ensure a stable gas supply and full metering coverage for all gas consuming units.
- Specify that the Equipment and Technology Department is responsible for gas meter installation and maintenance; costs arising from human-caused damage are borne by the user department.

Diesel Management

- Ensure diesel supply and regularly maintain equipment, such as forklifts.
- Ensure that drivers are licensed and improve fuel usage efficient



Key Energy Management Requirements

Distributed PV Project Construction

Antaisolar actively promotes its transition to clean energy. The Company has signed the 1.5MWp Distributed Photovoltaic Power Generation Project Power Supply and Use Contract and the 0.4MW Distributed Photovoltaic Power Generation Project Power Supply and Use Contract with Antai Technology Co., Ltd., with State Grid Fujian Changtai County Power Supply Co., Ltd. As of the end of the reporting period, these projects had been successfully constructed and connected to the grid, with a total power generation of 520,067 kWh in 2024. In 2025, the Company plans to build a 5,534 kW Phase II distributed PV project, with an estimated annual generation capacity of 5.3 million kWh upon completion. This will not only reduce the Company's carbon emission intensity but also demonstrate Antaisolar's firm commitment to green manufacturing.

Moreover, the Company continuously promotes innovations in production processes and upgrades energy-saving equipment. By introducing high-efficiency, energy-saving technologies and systems, Antaisolar effectively reduces energy and raw material consumption, contributing to a more environmentally friendly and sustainable production system.

Apply Energy Conservation Processes

Based on the anodizing production process, a more advanced vertical anodizing production line is adopted, offering the following advantages compared to horizontal oxidation tanks:

- Ensures uniform contact with the oxidation solution, improving oxidation quality;
- Prevents workpiece bending and deformation, ensuring product precision;
- Accelerates tank solution drainage, shortens processing time, and reduces raw material consumption.

Use Variable Frequency Equipment

A total of six variable-frequency air-cooled screw air compressors are deployed across the extrusion production line, oxidation production line, and wastewater treatment processes. These adjust speed based on the industrial air demand of each production unit, avoiding energy waste and improving efficiency.

Production Line Upgrades

Energy-saving upgrades have been implemented for the workshop production lines:

- Introduced intelligent, flexible, fully automated anodizing equipment to replace the original manual horizontal oxidation line, improving efficiency while reducing energy, water, and chemical consumption;
- Upgraded horizontal short-stroke high-speed extrusion line to minimize idle time, enhance efficiency, and lower energy consumption;
- Updated CNC fully automatic corner code cutting saws, fully automatic photovoltaic frame production lines, rotary drilling and tapping integrated machines, and other machinery.

Process and Equipment Energy-Saving Upgrading

In 2024, Antaisolar successfully passed the ISO 50001 energy management system surveillance audit. An *Energy Review* Report was formulated, providing a detailed analysis of the Company's energy consumption across production processes. Following the audit, the Company's energy management system was confirmed to be fully compliant with the ISO 50001 standard. Certification was granted, covering the entire product line of Antaisolar. 10

Covering the entire product line of Antaisolar

the Company's energy management system was confirmed to be fully compliant with the ISO 50001 standard. Certification was granted



ISO 50001 Energy Management System Certification

Data on Energy Usage Related Indicators of Antaisolar

202	2023	Unit	Indicator
	_	_	Direct energy use
925,30	1,252,961	m³	Natural gas
31,883.8	32,980	liter	Diesel
520,06	478,740	kWh	Self-generated PV electricity
			Indirect energy use
20,860,80	20,277,621	kWh	Purchased electricity

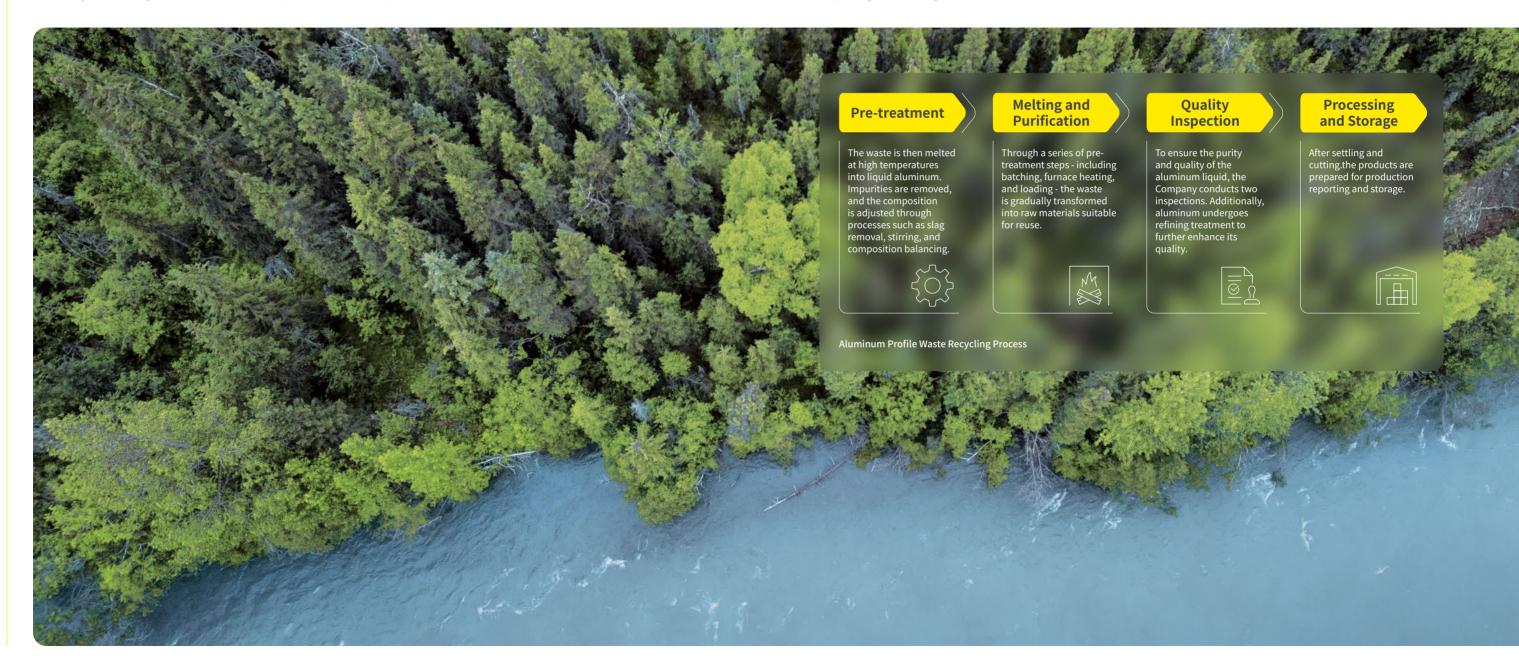
¹⁰ The scope of ISO 50001 certification covers all products during the formal production phase of Antaisolar Phase I plant and the trial production phase of Phase II plant.

Circular Economy

Antaisolar adheres to the concept of the circular economy and systematically promotes the resource utilization of production waste. The Company has incorporated general solid waste, such as aluminum profiles and carbon steel generated during production, into a standardized management system. During the reporting period, carbon steel scrap from the carbon steel mounting system production process was professionally treated and regenerated through processes such as surface derusting and fine polishing. The recycled material was then repurposed for the fabrication of on-site infrastructure such as fences and carports, achieving closedloop utilization of waste materials. Simultaneously, various types of aluminum scrap from the aluminum mounting system production process were sorted and treated with precision. Through professional secondary remelting and casting, 100% of aluminum scrap was reused in the production of aluminum profiles.

Aluminum Recycling and Reuse Project

Antaisolar has built a fully closed-loop aluminum recycling system of "aluminum scrap → recycled aluminum billets → high-end aluminum mounting system products". Relying on its advanced smelting and casting equipment and processes, the Company efficiently recycles non-conforming materials, offcuts, and aluminum chips generated during production. These are sorted, smelted, and cast into high-performance aluminum billets, which can be directly used in aluminum extrusion production. In 2024, the Company recovered 2,405.08 tons of aluminum scrap and produced 2,250.37 tons of recycled aluminum billets after remelting, achieving a recycling rate of 93.6%. The proportion of recycled aluminum used in Antaisolar's products reached 12.2%. This circular model aims to reduce raw material costs, lower carbon emissions, and minimize solid waste generation, thereby supporting Antaisolar's green and low-carbon transformation.



Engagement

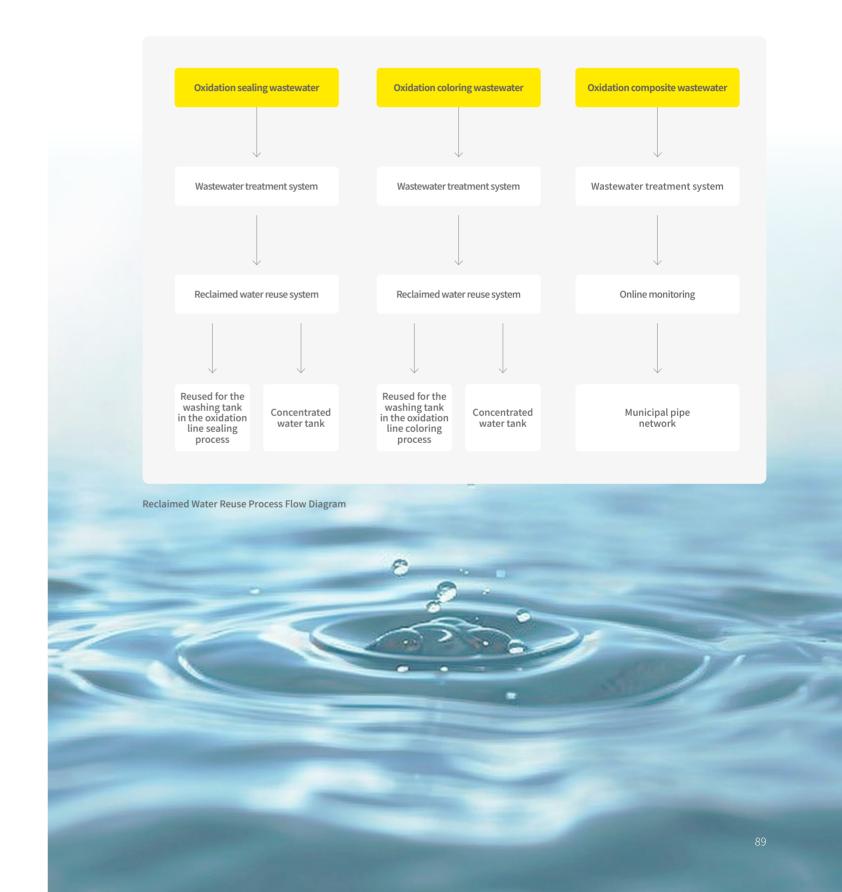
Water Management

In its operations, Antaisolar strictly complies with the Water Law of the People's Republic of China, the Regulations on Water Extraction Permits and Water Resource Fees, and relevant overseas regulatory requirements. The Company continuously improves its water resource management system to ensure efficient and sustainable use of water.

In 2024, Antaisolar further advanced the construction of its water recycling system by building a wastewater reuse system. Special treatment and reuse of nickel- and tin-containing wastewater were implemented, achieving zero discharge and resource utilization of such hazardous wastewater.

Data on Water Resources Related Indicators of Antaisolar

Indicator	Unit	2023	202411
Purchased municipal water	ton	153,326	54,957
Surface water	ton	153,326	54,957
Groundwater	ton	0	0
Total water withdrawal	ton	153,326	54,957
Water discharge	ton	66,245	35,381
Water consumption	ton	87,081	19,576
Recycled water	ton	0	0
Water recycling rate	%	0	0



¹¹ The 2024 water intake and consumption data include only the comprehensive water intake and/or consumption at the production end during the official production stage of Antaisolar Phase I plant and the trial production stage of Phase II plant. The 2024 wastewater discharge data covers the total discharge during the official production stage of Phase I plant and the trial production stage of Phase II plant.

Advancement

Biodiversity Conservation

Biodiversity is a vital component of the Earth's life community and is essential to maintaining the balance of our ecosystems. Antaisolar fully recognizes the importance of biodiversity conservation and strictly adheres to local and international regulations regarding biodiversity impact assessment and management during project development and daily operations. We integrate ecological protection principles into all aspects of our business operations. Through professional assessments and scientific management, we carefully evaluate the potential ecological impacts of our activities and take corresponding preventive and mitigation measures, striving to achieve harmony between corporate development and nature conservation.

To promote biodiversity efforts and protect the habitats that sustain wildlife, Antaisolar has developed a soil and water conservation plan for its facilities. This plan provides scientific guidance for the construction of the Guanshan Industrial Park and ensures the rational development and use of the park's land resources.









RAISE

Engagement

In the realm of sustainable supply chains, we collaborate closely



Sustainable Supply Chain

Antaisolar is systematically developing a sustainable supply chain, with a focus on strengthening supply chain management and leveraging digital platforms to achieve end-to-end visibility. We are actively building a green and low-carbon supply chain by promoting circular economy principles and enhancing resource efficiency. From raw material procurement to production and transportation, we implement environmentally responsible standards and deeply embed ESG principles, encouraging suppliers to provide more green products and services. In parallel, we empower our suppliers by establishing training and cooperation mechanisms to deepen collaboration and jointly foster a highly efficient, low-carbon, and sustainable supply chain ecosystem.



Strengthening Supply Chain Management

At Antaisolar, supplier management is regarded as a core component in ensuring product quality and supply chain sustainability. We strictly comply with laws and regulations such as the Law of the People's Republic of China on Bid Invitation and Bidding, the Government Procurement Law of the People's Republic of China. and have established a robust institutional framework centered on the Supplier Code of Conduct and the Supplier Management Procedures. Through a comprehensive life-cycle management process, covering supplier admission, assessment, performance evaluation, and continuous improvement, we systematically manage and supervise our suppliers. As of the end of the reporting period, Antaisolar had a total of 282 suppliers.

We have established a systematic, full-lifecycle supplier management mechanism and conduct supplier development based on welldefined sourcing strategies and targeted assessments. This allows us to identify partners with strong capabilities in technology, quality, and sustainable development. During the supplier access phase, we implement different screening procedures based on supplier categories, applying a rigorous multi-dimensional evaluation process to ensure supplier qualifications are reliable. For general material suppliers, we conduct a two-stage process including a preliminary review and sample evaluation. For critical material suppliers, we add two additional stages: on-site audits and small-batch trials.

After a preliminary assessment of a supplier's delivery capacity, product quality, pricing, and contract performance, the Category Management Department of the Supply Chain Center or the Procurement Department of our manufacturing base will carry out a desktop or on-site review of the supplier's operations and overall capability. Suppliers who pass the assessment are required to submit samples, which must undergo strict validation by the department in charge of quality. Only upon approval can the supplier be included in the pool of qualified suppliers.

To build a more resilient and sustainable supply chain system, in 2024, Antaisolar refined the supplier admission and audit process. On top of the existing evaluation framework, we introduced a technical review conducted by the Technology Department, placing greater emphasis on evaluating suppliers' technical reserves and innovation capabilities.

Direct Material suppliers

■The materials sourced from these suppliers are directly related to Antaisolar's fixed mounting systems, tracking mounting systems, and BIPV products, including raw materials, stamping parts, electronic control parts, and

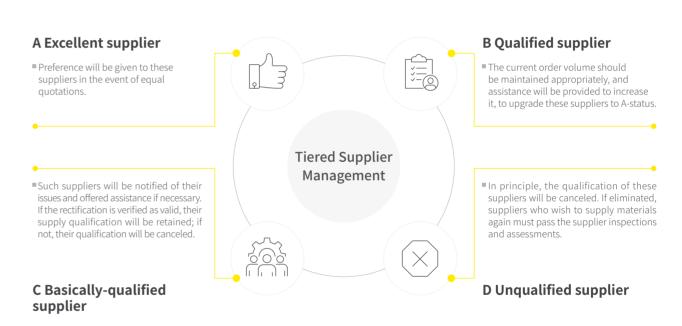
Robustness

■These suppliers are primarily informal and included in the annual supplier assessment.

Indirect Material Suppliers

- The products or services sourced from these suppliers are indirectly related to Antaisolar's PV products, such as food, decoration, software, and other non-production-related
- These suppliers are primarily informal and excluded from the annual supplier assessment.

Following supplier access, we conduct scientific classification and dynamic management based on their comprehensive performance. We implement differentiated cooperation strategies and continuous improvement plans to ensure the supply chain operates efficiently, stably, and sustainably, providing strong support for the Company's business objectives.



To enhance supply chain risk management and stability, the Company has implemented supplier diversification and tiered management strategies, actively expanding high-quality partnership resources to strengthen risk resilience and ensure precise resource alignment. In addition, we have established a dynamic evaluation mechanism to regularly assess suppliers across multiple dimensions such as quality, delivery time, and cost, enabling real-time updates of supplier performance records and timely optimization of cooperative relationships. We have also developed a risk alert and emergency response system, using digital platforms to monitor key nodes in the supply chain in real time and issue early warnings of potential risks. In response to emergencies such as supply disruptions or price fluctuations, we have formulated contingency reserve plans to ensure the resilience of the supply chain.

We also place great importance on building an ethical supply chain, setting clear integrity standards for both internal procurement personnel and external suppliers. Internally, we regularly conduct integrity training and awareness programs, requiring all staff within the Supply Chain Center to sign integrity agreements to reinforce ethical consciousness. For external partners, all suppliers are required to sign the Supplier Code of Conduct, and a bidirectional supervision mechanism has been established to foster a fair, transparent, and corruption-free cooperation environment.

Green and Low-Carbon Supply Chain

Antaisolar is committed to developing a green and sustainable supply chain, fully integrating ESG principles into supplier management processes. In collaboration with suppliers, we work to strengthen green and low-carbon practices through risk prevention, screening, and continuous optimization. We rigorously identify ESG-related risks in the supply chain, especially in areas such as safety and environmental protection, labor rights, and occupational health. Our supplier screening mechanism has been further refined to ensure strict examination of fundamental labor rights issues, such as the prohibition of child labor. We also evaluate the environmental friendliness of raw materials, including whether green electricity is used during production, to ensure suppliers fully align with our ESG management standards.

During the selection and evaluation process, ESG performance is also treated as a favorable factor. Preference is given to suppliers with complete environmental certifications and those actively practicing sustainable production. We encourage suppliers to offer eco-friendly products and to pursue relevant certifications, thereby guiding the industry chain toward resource conservation, environmental friendliness, and high-efficiency, low-carbon development. Looking ahead, we will continue optimizing our sustainable supply chain management system, encouraging suppliers to deliver more green products and services, and further strengthening the effectiveness of our green and low-carbon supply chain efforts.

Empowering Supplier Development

In the process of coordinated supply chain development, Antaisolar actively supports suppliers in enhancing their capabilities and achieving sustainable growth. We have established a regular supplier communication mechanism, including monthly exchange meetings to convey our quality requirements. These sessions also address challenges in supplier production and delivery processes, facilitating information sharing, mutual learning, and stronger trust across the industrial chain. We also regularly host thematic training and communication sessions covering topics such as cooperation standards, safety and environmental protection, and business ethics, effectively enhancing suppliers' professional service capabilities.

Fraining on "Supplier Order Review System Requirements"

To ensure that suppliers fully understand order requirements, Antaisolar conducted a dedicated training session on the Supplier Order Review System Requirements. The training focused on the timing, participants, and standards for order reviews, and clarified the specific procedures and materials needed, thereby improving the accuracy and compliance of supplier order execution.



Industry Cooperation and Development

Antaisolar actively promotes diverse industry collaborations by building an open and collaborative industrial ecosystem. Through multi-level cooperation models, we contribute to the global energy sector's transition toward greener and more efficient development. In terms of industry collaboration, we are committed to working hand in hand with our peers to break through technological bottlenecks via joint innovation and to integrate resources by establishing ecological alliances. In addition, we actively cooperate with leading universities and international partners to develop demonstration projects that provide systematic support for the scaled and low-carbon development of the renewable energy sector.

As a member of the China Photovoltaic Industry Association (CPIA), Antaisolar leverages multi-level and multi-dimensional cooperation models to proactively promote the advancement of the industry. We maintain long-term communication with domestic and international peers and actively collaborate with major PV module manufacturers to focus on core areas, iointly explore market needs, and drive technological innovation. Furthermore, we participate in industry exhibitions and seminars to share cutting-edge technological achievements and solutions, build platforms for industry exchange, and foster mutual communication and knowledge sharing.

In the integration of industry, academia, and research, we maintain close cooperation with leading universities and research institutions to form joint R&D teams. Together, we tackle key technical challenges in the field of renewable energy, accelerate the transformation of research outcomes into practical applications, and inject innovation momentum into the sustainable development of the renewable energy industry.



We collaborated with JA Solar and Sungrow again to cohost a market development and customer engagement event in Tokyo under the theme "Towards a Green World". The event aimed to foster interregional cooperation among enterprises and further develop the PV+storage business in the Japanese market.



We partnered with LONGi and Huawei Digital Power to host a themed seminar titled "Green Energy Drives China, Electricity Powers the Future" in Jiaxing, Zhejiang. The event brought together representatives from energy-intensive sectors such as steel and building materials in Zhejiang Province to discuss new trends in green energy and explore commercial and industrial PV solutions.

We collaborated with Chint Technology to conduct laboratory-based compatibility tests between PV modules and rafter systems, validating structural compatibility through mechanical performance testing and wind pressure resistance experiments.



We participated in the China Photovoltaic Tracking System Supply Chain High-quality Development Seminar 2024 hosted by the Green Energy Industry Development Association (GEA) to examine industry development bottlenecks, explore innovation pathways, and advance the PV industry toward high-quality and sustainable development.



We attended the Second New Energy Power Development Forum organized by renowned media outlet PVmen, alongside government think tanks and leading suppliers, to exchange views on the current state of the PV industry, cutting-edge knowledge, and historical project experience.



We took part in the Fifth Commercial and Industrial PV Conference China, hosted by PV-Box, engaging in in-depth discussions with government research institutions and industry peers on topics such as market development, project implementation, technical solutions, and power generation optimization in the commercial and industrial PV sector.

Antaisolar's Industry Cooperation in 2024

Antaisolar Was Re-listed in the "Global Top 500 New Energy Enterprises" and Selected as a "2024 Typical Case for Carbon Technology Innovation"

On September 10, 2024, at the Taiyuan Energy Low-carbon Development Forum, Antaisolar was once again listed among the authoritative Top 500 Global New Energy Companies, recognized for its outstanding technological innovation and leading market position. This honor reflects strong international recognition of Antaisolar's robust presence in the global new energy field, sustained investment in technological innovation, and steadfast commitment to green development principles.

Antaisolar was awarded this distinction for its innovative *Solar Tracking System 3.0 One-stop Solution White Paper*, underscoring our leadership in PV tracking technology and intelligent system solutions. Moving forward, we will remain focused on technological innovation, working with global partners to drive the application and proliferation of clean energy technologies, creating long-term sustainable value for both industry and society, and empowering a greener future.





Polytechnic University of Madrid

- Jointly established an outdoor testing base to research intelligent tracking mounting systems, with a focus on optimizing the power generation gain and system simulation of "bifacial modules + tracking mounting systems".
- Aimed to enhance the power generation efficiency of photovoltaic systems and verify the reliability of related technologies.

Shanghai Jiao Tong University

- Led the project titled *Wind Characteristics Testing, Modeling, and Simulation Research of Photovoltaic Support Structures*, covering wind tunnel static pressure tests, CPP report analysis, Reynolds number independence validation, and 3D numerical simulation of 1P structures.
- Provided critical data support for wind-resistant structural design of mounting systems, helping to mitigate risks from extreme weather conditions.

Provincial R&D Platforms

• Successfully gained the approval to establish a provincial academician and expert demonstration workstation, a provincial enterprise technology center, and a provincial new-type R&D institute, laying the foundation for a high-level scientific research platform.

Central South University

- Materials R&D: Conducted research on aluminum alloy composition to enhance mechanical performance and surface finish, aiming to achieve high cost-effectiveness.
- Process Optimization: Improved the design of flow-diverting holes through extrusion die flow rate simulations, thereby enhancing the quality of profiles and production efficiency.

Zhangzhou Intelligent Tracking Mounting System Innovation Consortium

- Undertook key provincial/municipal science and technology projects to tackle critical technical bottlenecks.
- Accelerated technology assimilation and commercialization of R&D outcomes.
- Promoted resource sharing, reduced R&D costs, and facilitated talent cultivation within the industry.

Antaisolar's 2024 Industry-Academia-Research Cooperation Projects

Appendix 1: Performance Indicators

Indicator		Unit		2023		2024
Integrity Management	t					
Integrity training		sessions	4			4
Total training participants		/		280+		300+
Product Responsibility	у					
Number of customer co	omplaints	/		174		167
Customer complaint ra	te	%		5.68		6.85
Customer complaint ha	andling rate	%		97.1		95.80
Number of customer re	-visits by telephone	/		3,240		4,013
Customer satisfaction		%		91.9		93.20
R&D Innovation						
Investment in R&D		RMB million		38.3028		46.3216
Number of R&D person	nel	/	99		139	
The proportion of R&D	expenditure to operating revenue	%	3.35		3.46	
Number of new R&D projects		/		8		14
Income from new R&D projects		RMB million		330.9687		328.4676
Intellectual Property F	Rights Protection					
Number of patent appli	ications	/		25		24
Number of valid patent	grants	/		99		103
Human Resources						
Total full-time employe	es	person	767		785	
	Male	person	405	53%	395	50%
By gender	Female	person	362	47%	390	50%
	< 30	person	192	25%	258	33%
By age	30 - 50	person	426	56%	422	54%
	> 50	person	149	19%	105	13%
	Senior management	person	7	1%	7	1%
	Middle management	person	13	2%	19	2%
By rank		person	82	11%	85	11%
	Frontline employees	person	665	87%	674	86%

Indicator		Unit		2023		2024
	Sales and marketing	person	144	19%	141	18%
	Production and operations	person	423	55%	367	47%
By function	Human resources, administration, and management	person	59	8%	83	11%
	Finance	person	29	4%	32	4%
	R&D and quality control	person	112	15%	162	21%
By region	Chinese mainland, Hong Kong SAR, Macao SAR, and Taiwan	person	761	99%	770	98%
<i>y</i> -0 -	Overseas	person	6	1%	15	2%
Employee Turnover						
Total turnover rate		%		20.11		32.94
	Male	%		8.94		21.67
By gender	Female	%		11.17		12.93
	< 30	%		14.53		12.55
By age	30 - 50	%		5.59		18.76
	> 50	%		0.00		3.30
	Sales and marketing	%		10.06		3.55
	Production and operations	%		1.86		22.56
By function	Human resources, administration, and management	%		0.74		1.39
	Finance	%		1.12		1.27
	R&D and quality control	%		6.33		5.83
By region	Chinese mainland, Hong Kong SAR, Macao SAR, and Taiwan	%		20.11		34.22
<i>y</i> -0 -	Overseas	%		0.00		0.38
Employee Training and Devel	opment					
Total number of trained full-tim	ne employees	/		797		2,524
Investment in training		RMB thousand		430		347
Training hours per employee		hours		28		29
Employee Benefits						
Number of employees	Male	person		405		395
entitled to parental leave	Female	person		362		390
Number of employees who	Male	person		8		13
took parental leave	Female	person		14		11
Total number of employees	Male	person		8		13
who returned to work during the reporting period after taking parental leave	Female	person		14		11

Indicator		Unit	2023	2024
Water Management ¹²				
Water	Water withdrawal	ton	153,326	54,957
Water consumption	Water consumption	ton	87,081	19,576
	Total wastewater discharge	ton	66,245	35,381
Wastewater discharge ¹³	Total COD discharge	ton	3.73	2.282
	Total ammonia nitrogen discharge	ton	0.30	0.079
Pollutant Management ¹⁴				
Total exhaust gas emissions		m ³	107,052,000	270,413,232
Total particulate matter emis	ssions	ton	1.43	0.026
Average particulate matter e	mission concentration	mg/m³	13.35	3.1
Total SO ₂ emissions		ton	1.201	0
Average SO ₂ emission concentration		mg/m³	52	0
Total NO _x emissions		ton	3.331	2.49
Average NO _x emission conce	ntration	mg/m³	97	101.7
Hazardous waste	Total hazardous waste generated	ton	401.686	9.26515
Consideration	Total general solid waste generated	ton	3,107.39	1,293.15
General waste Total general solid waste that has been comprehensively utilized		ton	3,090.37	1,293.15
Energy Management				
	Natural gas	m³	1,252,961	925,300
Direct energy use	Diesel	liter	32,980	31,883.84
Indirect energy use	Purchased electricity	kWh	20,277,621	20,860,800
	Scope 1	tCO ₂ e	244.44	2,081.85
GHG emissions	Scope 2	tCO ₂ e	793.31	12,180.62
	Total GHG emissions (Scope 1+Scope 2)	tCO₂e	1,037.76	14,262.47
Self-generated PV electricity		MWh	478.74	520.07

¹² The 2024 water intake and consumption data include only the total water withdrawn and/or used at the production end during the official production phase of Antaisolar Phase I plant and the trial production phase of Phase II plant.

Appendix 2: GRI Content Index

Use Statement	Antaisolar reported information referenced in this GRI Content Index in accordance with the GRI Standards from January 1, 2024, to December 31, 2024.
Used GRI	GRI 1: Foundation 2021

Disclosure Item	Disclosure Title	Section					
Universal St	andards						
GRI 2: Gene	GRI 2: General Disclosure 2021						
The organiz	ation and its reporting practices						
2-1	Organizational details	About This Report					
2-2	Entities included in the organization's sustainability reporting	About This Report					
2-3	reporting period, frequency, and contact point	About This Report					
2-4	Restatements of information	About This Report					
2-5	External assurance	About This Report					
Activities ar	nd workers						
2-6	Activities, value chain, and other business relationships	4.1 Diverse, Equal, and Compliant Employment					
2-7	Employees	4.1 Diverse, Equal, and Compliant Employment4.2 Employee Training and Development4.3 Employee Care4.4 Occupational Health and Safety					
2-8	Workers who are not employees	4.1 Diverse, Equal, and Compliant Employment					
Governance							
2-9	Governance structure and composition	2.1 Corporate Governance					
2-10	Nomination and selection of the highest governance body	2.1 Corporate Governance					
2-11	Chair of the highest governance body	2.1 Corporate Governance					
2-12	Role of the highest governance body in overseeing the management of impacts	2.1 Corporate Governance					
2-13	Delegation of responsibility for managing impacts	2.1 Corporate Governance					
2-14	Role of the highest governance body in sustainability reporting	2.1 Corporate Governance					

¹³ The 2024 wastewater discharge data cover the total emissions from Antaisolar Phase I plant during its official production stage and Phase II plant during its trial production stage.

¹⁴ The 2024 pollutant emission data cover the total generation and/or utilization during the formal production phase of Antaisolar's Phase I plant and the trial production phase of the Phase II plant.

¹⁵ In 2024, the formal production phase of Phase I and the trial production phase of Phase II do not involve high-risk waste emission processes such as smelting; therefore, the total generation of hazardous waste in 2024 is relatively low.

D: -1		
Disclosure Item	Disclosure Title	Section
2-15	Conflicts of interest	2.3 Business Ethics
2-16	Communication of critical concerns	2.1 Corporate Governance
2-17	Collective knowledge of the highest governance body	2.1 Corporate Governance
2-18	Evaluation of the performance of the highest governance body	1.2 ESG Governance
2-19	Remuneration policies	4.3 Employee Care
2-20	Process to determine remuneration	4.3 Employee Care
2-21	Annual total compensation ratio	Not disclosed temporarily
Strategies, p	oolicies, and practices	
2-22	Statement on sustainable development strategy	1.1 Sustainable Development Strategy
2-23	Policy commitments	1.1 Sustainable Development Strategy
2-24	Embedding policy commitments	2.3 Business Ethics
2-25	Processes to remediate negative impacts	2.3 Business Ethics
2-26	Mechanisms for seeking advice and raising concerns	2.3 Business Ethics
2-27	Compliance with laws and regulations	All chapters
2-28	Membership associations	All chapters
Stakeholder	engagement	
2-29	Approach to stakeholder engagement	1.3 Stakeholder Engagement
2-30	Collective bargaining agreements	4.3 Employee Care
GRI 3: Mater	ial Topics 2021	
3-1	Process to determine material topics	1.4 Materiality Assessment
3-2	List of material topics	1.4 Materiality Assessment
3-3	Management of material topics	1.4 Materiality Assessment
Issue Standa	ard	
GRI 201: Eco	nomic Performance 2016	
201-1	Direct economic value generated and distributed	Not disclosed temporarily
201-2	Financial implications and other risks and opportunities due to climate change	5.3 Addressing Climate Change
201-3	Defined benefit plan obligations and other retirement plans	4.3 Employee Care
201-4	Financial assistance received from government	Not disclosed temporarily
GRI 202: Mai	rket Presence 2016	
202-1	Ratios of standard entry-level wage by gender compared to local minimum wage	Not disclosed temporarily
202-2	Proportion of senior management hired from the local community	Not disclosed temporarily

Disclosure Item	Disclosure Title	Section	
GRI 203: Ind	lirect Economic Impacts 2016		
203-1	Infrastructure investments and services supported	6.2 Industry Cooperation and Development	
203-2	Significant indirect economic impacts	6.2 Industry Cooperation and Development	
GRI 204: Pro	GRI 204: Procurement Practices 2016		
204-1	Proportion of spending on local suppliers	Not disclosed temporarily	
GRI 205: Anti	-corruption 2016		
205-1	Operations assessed for risks related to corruption	2.2 Internal Control and Risk Management	
205-2	Communication and training about anti-corruption policies and procedures	2.3 Business Ethics	
205-3	Confirmed incidents of corruption and actions taken	Not disclosed temporarily	
GRI 206: Anti	-competitive Behavior 2016		
206-1	Legal actions for anti-competitive behavior, antitrust, and monopoly practices	2.3 Business Ethics	
GRI 207: Tax	2019		
207-1	Approach to tax	Not disclosed temporarily	
207-2	Tax governance, control, and risk management	Not disclosed temporarily	
207-3	Stakeholder engagement and management of concerns related to tax	Not disclosed temporarily	
207-4	Country-by-country reporting	Not disclosed temporarily	
GRI 301: Mat	erials 2016		
301-1	Materials used by weight or volume	Not disclosed temporarily	
301-2	Recycled input materials used	5.4 Circular Economy	
301-3	Reclaimed products and their packaging materials	5.4 Circular Economy	
GRI 302: Ene	GRI 302: Energy 2016		
302-1	Energy consumption within the organization	5.3 Addressing Climate Change	
302-2	Energy consumption outside the organization	5.3 Addressing Climate Change	
302-3	Energy intensity	5.3 Addressing Climate Change	
302-4	Reduction of energy consumption	5.3 Addressing Climate Change	
302-5	Reductions in energy requirements of products and services	5.3 Addressing Climate Change	

Disclosure Item	Disclosure Title	Section
GRI 303: Water and Effluents 2018		
303-1	Interactions with water as a shared resource	5.5 Water Management
303-2	Management of water discharge-related impacts	5.2 Emissions and Waste Management 5.5 Water Management
303-3	Water withdrawal	5.5 Water Management
303-4	Water discharge	5.2 Emissions and Waste Management
303-5	Water consumption	5.5 Water Management
GRI 304: Biodiversity 2016		
304-1	Operational sites owned, leased, managed in, or adjacent to protected areas and areas of high biodiversity value outside protected areas	Not involved temporarily
304-2	Significant impacts of activities, products, and services on biodiversity	5.6 Biodiversity Conservation
304-3	Habitat protected or restored	Not involved temporarily
304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations	Not involved temporarily
GRI 305: Em	issions 2016	
305-1	Direct (Scope I) GHG emissions	5.3 Addressing Climate Change
305-2	Indirect (Scope 2) GHG emissions	5.3 Addressing Climate Change
305-3	Other indirect (Scope 3) GHG emissions	Not disclosed temporarily
305-4	GHG emissions intensity	5.3 Addressing Climate Change
305-5	Reduction of GHG emissions	5.3 Addressing Climate Change
305-6	Emissions of ozone-depleting substances (ODS)	5.2 Emissions and Waste Management
305-7	Nitrogen oxides (NO $_{x}$), sulfur oxides (SO $_{x}$), and other significant air emissions	5.2 Emissions and Waste Management
GRI 306: Effl	uents and Waste 2020	
306-1	Waste generation and significant waste-related impacts	5.2 Emissions and Waste Management
306-2	Actions taken to prevent waste generation	5.2 Emissions and Waste Management
306-3	Composition of waste generated	5.2 Emissions and Waste Management
306-4	Transport of hazardous waste	5.2 Emissions and Waste Management
306-5	Waste directed to disposal	5.2 Emissions and Waste Management
GRI 308: Sup	pplier Environmental Assessment 2016	
308-1	New suppliers that were screened using environmental criteria	6.1 Sustainable Supply Chain
308-2	Negative environmental impacts in the supply chain and actions taken	6.1 Sustainable Supply Chain

Disclosure Item	Disclosure Title	Section
GRI 401: Em	ployment 2016	
401-1	New employee hires and employee turnover	4.1 Diverse, Equal, and Compliant Employment
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	4.3 Employee Care
401-3	Parental leave	4.3 Employee Care
GRI 402: Lab	or/Management Relations 2016	
402-1	Minimum notice periods regarding operational changes	Not involved temporarily
GRI 403: Occ	upational Health and Safety 2018	
403-1	Occupational health and safety management system	4.4 Occupational Health and Safety
403-2	Hazard identification, risk assessment, and incident investigation	4.4 Occupational Health and Safety
403-3	Occupational health services	4.4 Occupational Health and Safety
403-4	Worker participation, consultation, and communication on occupational health and safety	4.4 Occupational Health and Safety
403-5	Worker training on occupational health and safety	4.4 Occupational Health and Safety
403-6	Promotion of worker health	4.4 Occupational Health and Safety
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	4.4 Occupational Health and Safety
403-8	Workers covered by an occupational health and safety management system	4.4 Occupational Health and Safety
403-9	Work-related injuries	4.4 Occupational Health and Safety
403-10	Work-related ill health	4.4 Occupational Health and Safety
GRI 404: Trai	ning and Education 2016	
404-1	Average hours of training per year per employee	4.2 Employee Training and Development
404-2	Programs for upgrading employee skills and transition assistance programs	4.2 Employee Training and Development
404-3	Percentage of employees receiving regular performance and career development reviews	4.2 Employee Training and Development
GRI 405: Dive	ersity and Equal Opportunity 2016	
405-1	Diversity of governance bodies and employees	4.1 Diverse, Equal, and Compliant Employment
405-2	Ratio of basic salary and remuneration of women to men	Not disclosed temporarily

Disclosure Item	Disclosure Title	Section
GRI 406: No	n-discrimination 2016	
406-1	Incidents of discrimination and corrective actions taken	4.1 Diverse, Equal, and Compliant Employment
GRI 407: Fre	edom 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	4.3 Employee Care
GRI 408: Chi	ld Labor 2016	
408-1	Operations and suppliers at significant risk for incidents of child labor	4.1 Diverse, Equal, and Compliant Employment
GRI 409: For	ced or Compulsory Labor 2016	
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	4.1 Diverse, Equal, and Compliant Employment
GRI 410: Sec	curity Practices 2016	
410-1	Security personnel trained in human rights policies or procedures	Not disclosed temporarily
GRI 411: Rig	hts of Indigenous Peoples 2016	
411-1	Incidents of violations involving rights of indigenous peoples	Not involved temporarily
GRI 413: Loc	al Communities 2016	
413-1	Operations with local community engagement, impact assessments, and development programs	Not involved temporarily
413-2	Operations with significant actual and potential negative impacts on local communities	Not involved temporarily
GRI 414: Տսր	oplier Social Assessment 2016	
414-1	New suppliers that were screened using social criteria	6.1 Sustainable Supply Chain
414-2	Negative social impacts in the supply chain and actions taken	6.1 Sustainable Supply Chain
GRI 415: Pul	olic Policy 2016	
415-1	Political contributions	Not involved temporarily
GRI 416: Cus	stomer Health and Safety 2016	
416-1	Assessment of the health and safety impacts of product and service categories	3.1 Product Responsibility
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	Not disclosed temporarily
GRI 417: Ma	rketing and Labeling 2016	
417-1	Requirements for product and service information and labeling	3.1 Product Responsibility
417-2	Incidents of non-compliance concerning product and service information and labeling	Not disclosed temporarily
417-3	Incidents of non-compliance concerning marketing communications	Not disclosed temporarily
GRI 418: Cus	stomer Privacy 2016	
418-1	Substantiated complaints concerning breaches of customer privacy	3.1 Product Responsibility

Appendix 3: Independent Verification Statement



Verification Statement: EIV2 133772 0001 Rev. 00

To the management and stakeholders of Antai Technology Co., Ltd.,

TÜV SÜD Certification and Testing (China) Co., Ltd. (hereinafter referred to as "TÜV SÜD (China)") has been engaged by Antai Technology Co., Ltd. (hereinafter referred to as "Antai Solar" or "the Company") to perform an independent third-party verification on its *Antai Technology Co., Ltd. 2024 Environmental, Social and Governance (ESG) Report* (hereinafter referred to as "the Report"). During this verification, TÜV SÜD (China)'s verification team strictly adhered to the agreed terms of the contract with Antai Solar and conducted the verification within the authorized scope.

This Independent Verification Statement is prepared based on the data and information collected and provided by Antai Solar. Accordingly, the verification scope is limited to the materials provided. Antai Solar shall be held accountable for authenticity and completeness of the materials provided (contains assumptions, projections, and/or historical facts).

Scope of Verification

Time frame:

Environmental, social and governance-related data and information, management approaches and operational measures for material topics, and sustainability performance during the reporting period (from 1st January 2024 to 31st December 2024).

Physical boundary

The on-site verification sampling took place at Antai Technology Co., Ltd., 26th Floor, Building 1, Winland International Financial Center, No. 1 Jinrong Street, Huli District, Xiamen.

Scope of data and information for the verification:

- The data and information of Antai Solar and its major subsidiaries in the report.
 The following data and information are beyond the scope of this verification:
- Any contents beyond the reporting period;
- * The data and information of Antai Solar's suppliers, partners and other third parties;
- $\ensuremath{\raisebox{.3ex}{$\raisebox{3.5pt}{\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{$\raisebox{3.5pt}{\raisebox$

Limitations

- The verification was conducted within the aforementioned scope. TÜV SÜD (China) applied sampling-based assurance procedures to the Report's data and information, and only the stakeholders within the Company are interviewed.
- The Company's standpoint, opinions, forward-looking statements and predictive information as well as the historical data and information before 1st January, 2024 are beyond the scope of this verification.

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TÜV SÜD Certification and Testing (China) Co., Ltd. Floor 1-4, Building B, No.37, Tuanjie Road(Middle), Xishan Economic and Technological Development Zone, Wuxi, Jiangsu, P.R. China

2024 | Environmental, Social and Governance Report



Verification Statement: EIV2 133772 0001 Rev. 00

• The verification conclusions are based on the analysis of the data and information collected during the verification, which may not identify all potential issues or circumstances and shall not constitute a guarantee of the credibility or status of the subject of verification.

Methodology

This verification was conducted by TÜV SÜD (China)'s expert team with extensive experience in environmental, social and governance-related areas and drew the conclusions thereof. The verification standards included:

- International Standard on Assurance Engagements (ISAE) 3000, Assurance Engagements Other than Audits or Reviews of Historical Financial Information, Limited Assurance
- Sustainability Report Verification Programme Operation Rule (CCB_EIV_GR_002E Rev03)

In order to perform adequate verification in accordance with the contract and provide sufficient assurance over the conclusions, the verification team conducted the following activities:

- $\begin{tabular}{ll} & & & \\ \hline & & \\ & &$
- Verified the disclosure of material topics and related performance metrics in the Report
- Performed On-site verification of all supporting documents, data and information provided by Antai Solar; with sampling-based verification of key performance data and information
- Conducted special interview with Antai Solar's management; and held interviews with employees involved in the collection, compilation and reporting of the disclosed information
- . Other procedures deemed necessary by the verification team

Verification Conclusions

Based on the verification, we believe that the data and information presented in the Report are objective, factual and reliable, without systematic problems, and can be used by stakeholders.

The verification team has drawn the following conclusions on the Report:

Inclusivity	Antai Solar has systematically identified both internal and external stakeholders of the organization, including government and regulatory authorities, shareholders and investors, suppliers, customers, employees, business partners, the public, and local communities. The Company has established a structured stakeholder engagement mechanism to regularly gather and respond to stakeholders' legitimate expectations and concerns.
Materiality	Antai Solar has established a process for prioritizing material issues, identified sustainability topics highly relevant to the industry, and differentiated their priority levels. The Company has disclosed strategic approaches, management actions, and performance data in its sustainability management and operations. The overall reporting content demonstrates materiality.

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Verification Statement: EIV2 133772 0001 Rev. 00

Antai Solar provides clear disclosures on its management approaches and performance regarding material topics of concern to stakeholders, including employee training and development, occupational health and safety, pollutant control, environmental management, and energy management, etc.. The Company has also established multiple stakeholder engagement mechanisms to effectively address and respond to stakeholders' concerns and expectations. Antai Solar has established an ESG governance framework that defines short-, medium-, and long-term ESG objectives, identifies related risks and opportunities, and sets corresponding response actions. By building a structured ESG management system, the Company continuously strengthens its sustainable development practices while monitoring, measuring, and taking accountability for its impacts on the broader ecosystem.

Recommendations on Continuous Improvement

• The verification team has communicated improvement recommendations to the Company's management during the on-site verification process.

Statement on Independence and Verification Capability

TÜV SÜD is a trusted partner of choice for safety, security and sustainability solutions. It specializes in testing, certification, auditing and advisory services. Since 1866, the company has remained committed to its purpose of enabling progress by protecting people, the environment and assets from technology-related risks. Today, TÜV SÜD is present in over 1,000 locations worldwide with its headquarters in Munich, Germany. Through expert teams represented by more than 28,000 employees, it adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

TÜV SÜD (China) is one of TÜV SÜD's global branches and has an expert team whose members have professional background and rich industrial experiences.

TÜV SÜD (China) and Antai Solar are two entities independent of each other and both TÜV SÜD (China) and Antai Solar and their branches or stakeholders have no conflict of interest. No member of the verification team has business relationship with the Company. The verification is completely neutral. All the data and information in the Report are provided by Antai Solar. TÜV SÜD (China) has not been involved in preparation and drafting of the Report, except for the verification itself and issuance of the verification statement.



Wenjun Zhu

TÜV SÜD (China) Technical Certifier Shanghai, China, 18/08/2025

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