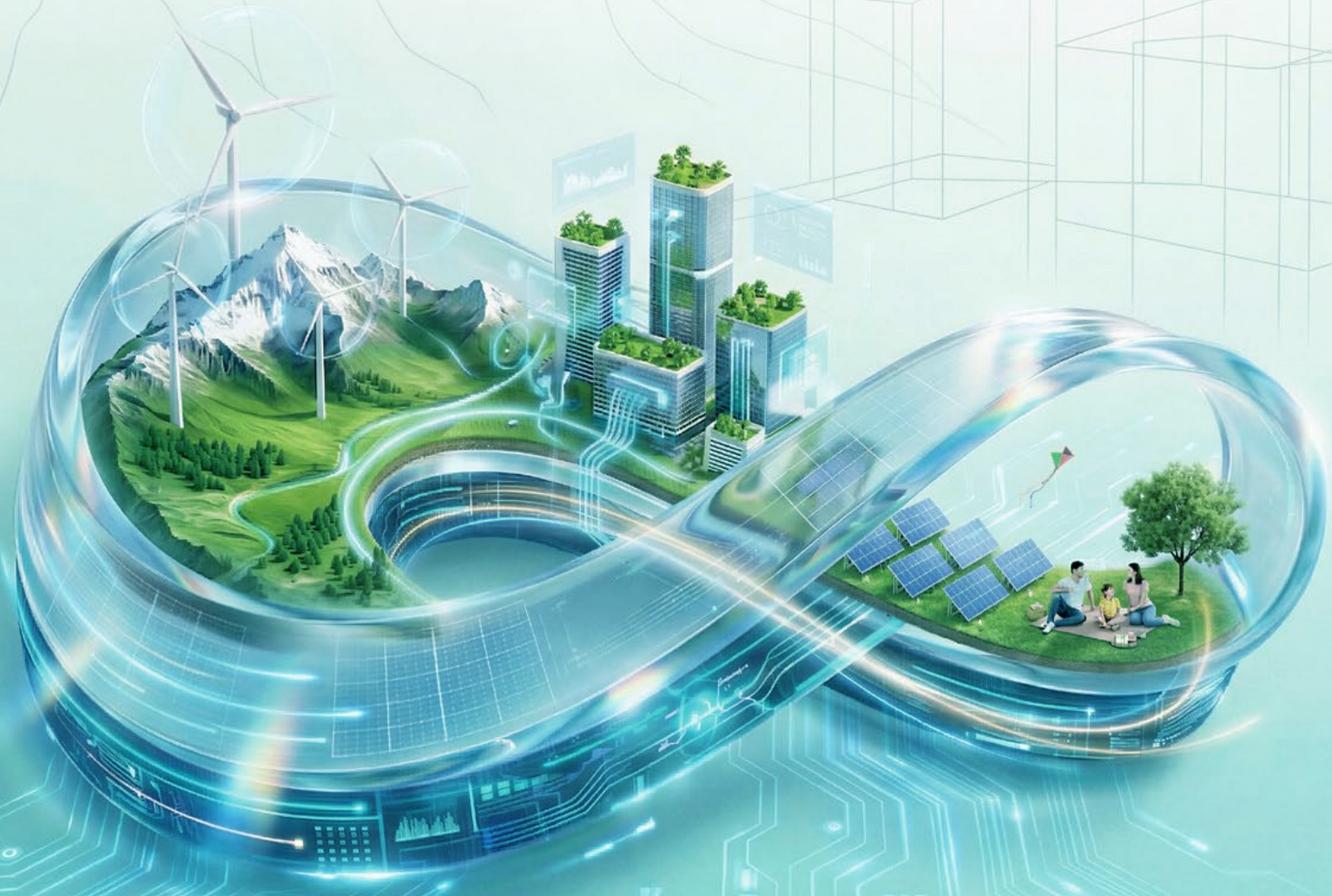




ASTRONERGY



2006-2026
20th Anniversary



2025

Sustainability Report

CHINT NEW ENERGY TECHNOLOGY CO.,LTD.

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About this Report

The Chint New Energy Technology Co., Ltd. 2025 Sustainability Report (hereinafter referred to as "this report") is the fourth Sustainability/ESG Report issued by Chint New Energy Technology Co., Ltd. (hereinafter referred to as "Astronergy" "the Company" or "we"), aimed at presenting our management strategies, practical achievements, and performance in Environmental, Social and Governance (hereinafter referred to as "ESG") in a transparent and open manner.

Reporting Scope

This report is an annual report, covering the time period from January 1, 2025 to December 31, 2025 (hereinafter referred to as "the reporting period"), and the scope of information disclosed covers Chint New Energy Technology Co., Ltd. and its subsidiaries¹. When specific information differs from the reporting scope, it will be explained in the relevant sections.

Company Name	Abbreviation	Address
Chint New Energy Technology Co., Ltd.	Astronergy	No. 1 Jisheng Road, Jianshan New District, Haining City, Zhejiang Province
Chint Solar (Haining) Co., Ltd.	Haining Base	No. 2 Jisheng Road, Jianshan New District, Haining City, Zhejiang Province
Chint New Energy Technology (Yancheng) Co., Ltd.	Yancheng Base - Phase I	No. 1 Tonghui Road, Shanghai-Suzhou Industrial Linkage Agglomeration Area, Dafeng District, Yancheng City, Jiangsu Province
Chint New Energy Technology (Jiuquan) Co., Ltd.	Jiuquan Base	No. 15 Jingwu Road, Jiuquan Economic and Technological Development Zone, Suzhou District, Jiuquan City, Gansu Province
Songyuan New Energy Technology Co., Ltd.	Songyuan Base	YadaHong Industrial Zone, Ningjiang District, Songyuan City, Jilin Province
Hangzhou Zhengtai Import and Export Trading Co., Ltd.	/	Room 723, Building 2, No. 1335 Bin'an Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province
Hangzhou Branch of Chint New Energy Technology Co., Ltd.	/	Room 724, Building 2, No. 1335 Bin'an Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province
Chint Solar Technology (Yiwu) Co., Ltd.	Yiwu Base	No. 1 Qingcheng West Road, Fotang Town, Yiwu City, Jinhua City, Zhejiang Province
Chint Solar Technology (Yancheng) Co., Ltd.	Yancheng Base - Phase II	No. 8, Fengyang Road, HuSu Dafeng Industrial Linkage Cluster, Dafeng District, Yan cheng City, Jiangsu Province
Chint Solar Technology (Yueqing) Co., Ltd.	Yueqing Base	No.1 Xinneng Road, Yueqing Bay Harbor Economic Development Zone, Yueqing, Wenzhou City, Zhejiang Province
Chint Solar Technology (Fengyang) Co., Ltd.	Fengyang Base	No. 268 Fengxiang Avenue, Fengyang Economic Development Zone, Chuzhou City, Anhui Province
Chint New Energy Technology (Yanchi) Co., Ltd.	Yanchi Base	Block 2, Yanchi County Industrial Park, Wuzhong City, Ningxia Hui Autonomous Region (North of Gaoshawo)
Chint New Energy Technology (Fuyang) Co.,Ltd.	Fuyang Base	No. 177, Tongdeng Road, Lingqiao Town, Fuyang District, Hangzhou City, Zhejiang Province
Astronergy Solar Panel Üretim ve Ticaret Anonim Şirketi	Turkey Base ²	F.SULTAN MEHMET MAH.POLİGON CAD.BUYAKA 2 SİT.1 B.N:8A/66 ÜMRANIYE

¹ Bases that have been officially put into operation for less than one year are not included in the data scope of this report. M.L.T. SOLAR ENERGY PRODUCTS CO., Ltd. and other companies are not included in the scope of this report due to not having year-round production operations or still being under construction. Hangzhou Zhengtai Import and Export Trading Co., Ltd. and the Hangzhou branch of Chint New Energy Technology Co., Ltd. do not have physical operations and are therefore not covered in the environmental data statistics.

² In 2025, we included Chint New Energy Technology (Fuyang) Co.,Ltd. and Astronergy Solar Panel Üretim ve Ticaret Anonim Şirketi in the scope of our report disclosure.

Data Source

The information and data cited in this report are sourced from Astronergy's internal documents, public documents, and financial statements, etc. Unless otherwise specified, all amounts in this report are denominated in RMB.

Basis of Preparation

- Global Reporting Initiative (GRI) Sustainability Reporting Standards (GRI Standards-2021)
- International Sustainability Standards Board (ISSB): *International Financial Reporting Sustainability Disclosure Standard 1 - General Requirements for Disclosure of Sustainability-Related Financial Information (IFRS S1)* and *International Financial Reporting Sustainability Disclosure Standard 2 - Climate-Related Disclosures (IFRS S2)*.
- *Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies – Sustainability Report (Trial)*
- *Self-Regulatory Guidelines No. 17 for Companies Listed on Shenzhen Stock Exchange – Sustainability Report (For Trial Implementation)*
- *Continuous Supervisory Guidelines No. 11 for Companies Listed on Beijing Stock Exchange – Sustainability Report (For Trial Implementation)*
- *Corporate Sustainability Disclosure Standards - Basic Standards (Trial)*
- United Nations Sustainable Development Goals (SDGs 2030)
- The Ten Principles of the UN Global Compact (UNGC 10 Principles)

External Assurance

The report has been third-party audited by the TÜV SÜD Certification and Testing (China) Co., Ltd. (hereinafter referred to as "TÜV SÜD") and an independent verification statement is provided.

Confirmation and Approval

This report has been confirmed by the management, approved by the Senior Management and published in April 2026.

Report Version and Access

This report is available in both Chinese and English language versions; in case of any discrepancies in understanding, the Chinese version shall prevail. The electronic version of the report can be accessed and downloaded from Astronergy's website: <https://www.astronergy.com.cn/>

Feedback

If you have any comments or suggestions on this report, you can contact our Sustainability Department through the following means:

Contact Address: No. 1 Jisheng Road, Jianshan New District, Haining City, Zhejiang Province

Contact Phone: 0571-56031888

Contact Email: Sustainability@Astronergy.com

Chairman's Message

In 2025, as the global energy transition continues to deepen, the photovoltaic industry faces not only vast development opportunities but also multiple challenges, including accelerated technological iteration, the reshaping of international trade rules, and intensified industrial chain competition. Amid these changes, Astronergy upholds its corporate mission of "to create a sustainable and net-zero world with solar power", consistently positioning sustainable development as a key strategic direction for long-term growth. Since entering the photovoltaic industry in 2006, our business has expanded to over 140 countries and regions worldwide, with cumulative photovoltaic module shipments exceeding 170 GW, contributing 221 billion kWh of green electricity annually, equivalent to an annual CO₂ emission reduction of 182.8 million tons.



Optimizing Strategic System and Enhancing Mission Leadership

Astronergy deeply integrates the concept of sustainable development into corporate governance, business decision-making, and daily operations. We continue to refine a governance mechanism led jointly by the Board of Directors and management and collaboratively implemented across all employees, ensuring that the sustainable development strategy is efficiently translated into tangible results. Meanwhile, we actively participate in multiple global sustainable development initiatives and organizations, contributing industry expertise and engaging with the global sustainability process in an open and inclusive manner.

Advancing Green and Smart Manufacturing, Strengthening the Foundation for Low Carbon Development

Astronergy integrates green principles throughout the manufacturing process, driving the deep convergence of intelligent manufacturing and sustainable production. We continuously enhance the cleanliness, digitalization, and low carbon performance of our operations. As of the end of the reporting period, five of our manufacturing bases have been recognized as national, provincial, or municipal "green factories", and two have obtained "zero-carbon factory" certification, further solidifying our green manufacturing system. We also extend green management across the entire product life cycle, delivering sustainable value to the market and users through products that offer higher quality, greater reliability, and a reduced environmental footprint.

Connecting Global Footprints, Elevating Product Value

Building on its global strategic footprint, Astronergy is strengthening three core capabilities: supply chain collaboration, global operations, and product competitiveness. We deepen cooperation with supply chain partners to promote responsible practices across the value chain; refine our global compliance and risk-control systems to proactively adapt to evolving international trade rules and regional regulations; and improve product quality and alignment with application scenarios, providing global markets with products that deliver more durable, efficient, and sustainable value.

Embedding Human-Centered Care, Uniting Forces for Good

Astronergy firmly believes that corporate sustainability is reflected not only in business performance, but also in its continued commitment to employees, communities, and society. We regard employee growth as the cornerstone of corporate development and continue fostering a safer, healthier, more inclusive, and more diverse workplace, while advancing talent development, career progression, and cultural integration. In terms of social contribution, leveraging the "Solar The Future" public welfare program, we integrate green development with public welfare initiatives through diversified actions such as educational support, energy accessibility, and community care, striving to create social value that is shared and sustainable.

In response to the global imperatives of climate change and sustainable development, Astronergy is seizing new opportunities through continued green innovation. Through responsible operations, we foster a corporate ecosystem that coexists harmoniously with the environment and society. With an open and inclusive approach, we are deepening global collaboration and working hand in hand with partners to jointly write a new chapter in sustainable development.

Chief Sustainability Officer's Message

2025 marked a pivotal year for Astronergy in further deepening its sustainable development strategy and advancing ESG management in a more substantive and effective manner. We continued to focus on key areas including governance enhancement, compliant operations, environmental management, employee development, and innovation-driven collaboration, driving the deep integration of sustainable development with business growth.



Improving Governance Mechanisms and Advancing Accountability. Under the guidance of CHINT Group's "EMPOWER" sustainability strategy framework, we further strengthened our three-tier ESG governance structure comprising the Board of Directors, management, and executive level, enhancing coordinated oversight and ensuring clear accountability. Centered on the *Chint New Energy ESG Policy*, we continuously optimized management mechanisms in key areas such as environment, labor and human rights, business ethics, and sustainable procurement. In 2025, we launched our self-developed ESG data management system, systematically managing ESG disclosure, ratings, and audits, and integrating sustainability requirements into daily operations and long-term decision-making.

Strengthening Compliance Governance and Reinforcing the Risk Control Foundation. In response to changes in the global market and increasingly stringent regulatory requirements, we maintained compliance management as a critical foundation for sound operations, continuously improving the "three lines of defense" risk management mechanism and anti-bribery governance mechanisms to enhance compliance safeguards and risk response capabilities across our global operations. In 2025, we conducted ten internal and external business ethics audits, further solidifying our compliance foundation.

Deepening Environmental Management and Enhancing Green Performance. We continued to embed green development principles throughout production, operations, and resource utilization, focusing on energy and water conservation, waste reduction, and recycling, while enhancing the level of green manufacturing and the efficiency of resource utilization. In 2025, Astronergy's Science-Based Targets (SBTs)³ were validated by the Science Based Targets initiative (SBTi). We achieved absolute scope 1 and 2 GHG emissions decreased by 39.65% compared with the base year 2024, and Scope 3 Category 1 GHG emissions from purchased goods and services per unit of product decreased by 6.51% compared with the base year, overall water consumption intensity decreased by 28.64%, annual electricity savings of approximately 72 million kWh, water savings of around 595,400 tons, demonstrating sustained performance in low-carbon management.

Protecting Labor Rights and Promoting Shared Growth. We regard employee rights, talent development, and diversity and inclusion as core elements of sustainable development. We continuously improved our human resources management system covering recruitment, training, performance management, occupational health and safety, and equal opportunity, creating a safe, healthy, inclusive, and supportive working environment. In 2025, we advanced the development of female employees and managers, cumulatively supported 241 employees in completing continuing education, and strengthened cross-cultural communication and employee care through initiatives such as the "Homing Activities" program, further improving organizational inclusion and employees' sense of belonging.

Adhering to Innovation-Driven Development and Deepening Collaborative Growth. We consistently coordinated innovation-driven development, customer value creation, and sustainable supply chain development, improving product quality, service capability, and industrial chain collaboration. In 2025, the product supervision inspection pass rate⁴ reached 100%, and the pass rate for related external audits also reached 100%; systematic supplier management achieved full coverage, and the proportion of local procurement increased to 86.63%, which further strengthening supply chain resilience and industrial collaboration capabilities.

Looking ahead, Astronergy will further integrate sustainability principles into its corporate governance and operating systems. We will continue strengthening our governance foundation, deepen environmental and social practices, and reinforce value chain collaboration, thereby systematically enhancing corporate resilience and consolidating the foundation for long-term value.

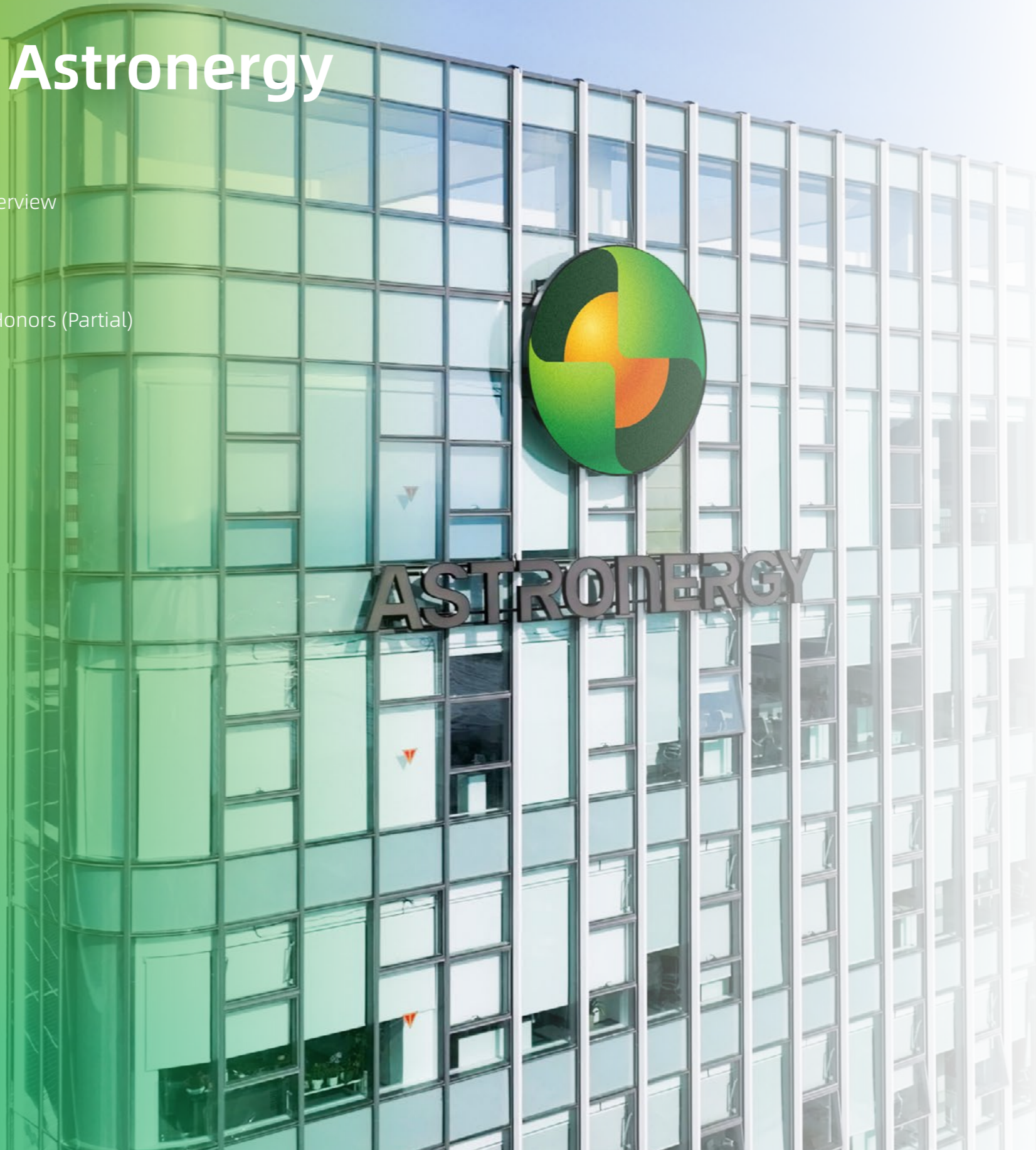
³ The statistical scope covers the parent company and all its subsidiaries and controlled entities.

⁴ Product supervision inspection pass rate: the proportion of product batches that passed external product sampling inspections out of the total number of product batches subject to external sampling inspections.

Corporate Overview

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Under the CHINT Group, Astronergy is an intelligent manufacturing enterprise focusing on photovoltaic cells and modules. Founded in 2006, it is one of the earliest private enterprises in China to set foot in the photovoltaic field. It has the capacity to design and manufacture various cutting-edge technology solar products for the markets.

Committed to being the most competitive photovoltaic module supplier worldwide, Astronergy sets its mission to create a sustainable and net-zero carbon world with solar power. Focusing on R&D, production and sales of high-efficiency crystalline silicon PV cells and PV modules, Astronergy has continuously launched the ASTRO series high-efficiency, high-quality, high-performance modules. Both its bifacial and monofacial ASTRO series modules using large-size wafers could be perfectly applied in various scenarios of utility-scale power stations, commercial & industrial (C&I) PV systems and residential PV systems.

Mission, Vision, and Values

Astronergy provides global customers with high-quality, highly reliable, and long-term stable module products. Committed to being the most competitive photovoltaic module supplier. We are committed to becoming the most competitive photovoltaic module supplier, bringing the value of solar energy to the world.



Mission

To create a sustainable and net-zero carbon world with solar power



Values

Customer focus, accountability, collaboration, high efficiency, and innovation



Product Value Proposition

Create sustainable and efficient green energy

Our 2025

As of the end of 2025 In 2025



Environment Performance

Cumulative shipments of photovoltaic modules exceeded **170 GW**

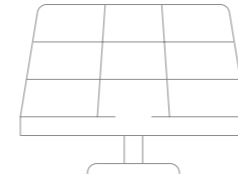
Capable of generating more than **221 billion** kWh of green electricity annually

Equivalent to reducing approximately **182.8 million tons** of CO₂ emissions

A total of **2** National-level "green factories"

A total of **3** Provincial-level "green factories" were established

A total of **108** carbon footprint certificates were obtained



Absolute Scope 1 and 2 GHG emissions decreased by **39.65%** compared with the base year 2024

Scope 3 Category 1 GHG emissions from purchased goods and services per capacity unit produced decreased by **6.51%** compared with the base year 2024

132 energy-saving projects Saving **72 million** kWh of electricity Saving RMB **62.35 million**

11 water-saving projects saving **595,400 tons** of water Saving RMB **3.04 million**

Non-hazardous waste recycling rate of **97.11%** up 0.91% YoY

Water resource recycling rate of **93.69%** up 2.33% YoY

The energy consumption intensity per unit of cell production was **5.82 tce/MW** down 15.73% YoY

Comprehensive water consumption intensity was **24.79 tons/MW** down 28.64% YoY

The energy consumption intensity per unit of module production was **1.30 tce/MW** down 18.78% YoY

Comprehensive waste generation intensity was **0.75 tons /MW** down 23.47% YoY



Social Performance

28.75% female employee proportion up 4.32% YoY

17.25% female management proportion up 4.42% YoY

19.97% female employee proportion in STEM-related jobs up 3.58% YoY

241 employees cumulatively supported to complete higher education

100% of core suppliers undergo due diligence audits and ESG standard assessments

100% conflict-mineral-free procurement

Employee training investment reached RMB **8.2698 million**

The pass rate for Product supervision and sampling inspection reached **100%**

Customer satisfaction score **96.49**

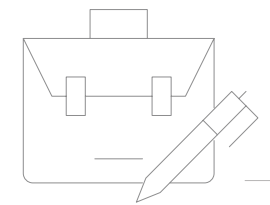
Local procurement coverage **86.63%**

GDP contribution RMB **9.408 billion**

created jobs over **6,000**

Charitable donations RMB **3.6622 million**

total beneficiaries **695** people




Governance Performance

Female directors account for **22.22%**

Independent directors account for **33.33%**

100% certified to ISO 27001 Information Security Management System

4 bases certified to ISO 37001 Anti-Bribery Management System

6 external business ethics audits

100% of all employees underwent business ethics training

100% of senior management underwent specialized training

100% of key partners underwent integrity and compliance training

Awards and Honors (Partial)



Tier 1 PV Module Supplier listed in S&P Global Commodity Insights



2025 Zhejiang Unicorn Enterprise List



Overall Highest Achiever

"Overall Highest Achiever" awarded by the Renewable Energy Test Center (RETC)



Top Performer

"Top Performer" honored by Kiwa PVEL for nine times



VERY GOOD

"VERY GOOD" rated by PV Magazine test for great module performance



"All Quality Matters Award" honored by TÜV Rheinland



2025 Influential Photovoltaic Module Brand



2025 Influential Enterprise in Featured Application Project Cases



2025 Starlight Excellence Award for Outstanding Employer in Photovoltaic Intelligent Manufacturing

2025 Excellent Smart Factory

Ministry of Industry and Information Technology of China

Astronergy High-Efficiency Solar Cell and Module Future Factory

Zhejiang Provincial Department of Economy and Information Technology



Annual Spotlight

Collaboration Across the Entire Value Chain: Building a Sustainable Ecosystem Together

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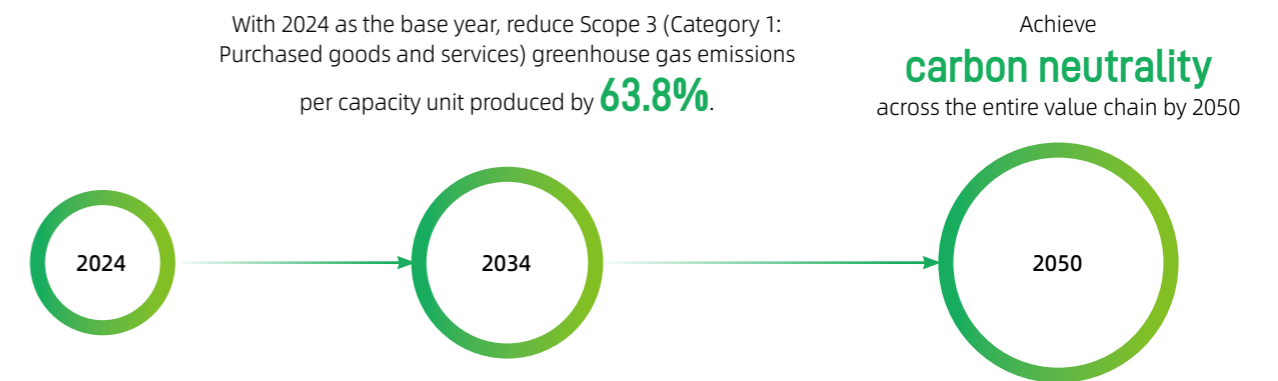
With intensifying global competition in the photovoltaic industry and a complex and ever-changing external environment, supply chain resilience has become the cornerstone of sustainable corporate development. Faced with multiple challenges, including industry cycles, trade policies, and cross-border logistics, traditional and single-source supply chain models are no longer viable. Building a resilient supply chain that spans the entire value chain, features high levels of coordination, and possesses strong risk-resilience has become the key to steady growth and maintaining a leading position.

Astronergy focuses on industry pain points and global expansion, deepening its commitment to building a resilient supply chain through four key strategies: global production capacity, digitalized management and control, green procurement, and ecosystem collaboration. Leveraging an integrated production network, prudent supplier management, and mature risk control mechanisms, the Company ensures efficient supply chain operations and closed-loop risk management. While guaranteeing stable global supply, it drives collaborative cost reduction and green transformation across the industrial chain. By building a solid foundation for global development through robust supply chain capabilities, the Company demonstrates the sense of responsibility expected of a leading photovoltaic enterprise.

A Green Network: Paving the Way for Ecological Development

Green and Low-Carbon Goals for the Supply Chain

Astronergy fully recognizes that global efforts toward a green and low-carbon future require a collective response. We have expanded our emissions reduction initiatives beyond our own operations to include collaborative carbon reduction across our supply chain. We have incorporated Scope 3 carbon reduction targets into our low-carbon development goals, driving the green transformation of our value chain and enhancing the resilience and competitiveness of our supply chain.



Green Procurement

We communicate our green philosophy to suppliers throughout the procurement process. In our supply chain audits, we fully incorporate ESG audit requirements to drive continuous improvement among suppliers in areas such as environmental protection, occupational health management, workplace safety, fire safety and emergency response, and social responsibility. We conduct ESG self-assessment surveys for our core raw material suppliers, covering four key dimensions: environment, labor and human rights, business ethics, and sustainable procurement. This allows us to systematically evaluate suppliers' ESG performance and communicate our company's ESG management expectations and standards to them. Based on the survey results, we categorize suppliers into three tiers, set clear improvement targets for each tier, and continuously guide suppliers to strengthen their ESG initiatives, thereby achieving overall sustainability across the supply chain.

During the reporting period, the Company achieved full coverage of its systematic supplier management, with **100%** of its core suppliers⁵ certified under the ISO 14001 Environmental Management Certification and the ISO 45001 Occupational Health and Safety Management Certification.

Chemical Management

Astronergy has established a comprehensive chemical management system and standardized safe operating procedures to fully regulate management processes at every stage of chemical procurement, storage, use, and disposal. All the Company's chemical management activities strictly comply with relevant national and industry laws and regulations. We have developed a scientific and comprehensive emergency response plan for chemical incidents, regularly organize emergency drills, and conduct routine chemical risk assessments to promptly identify and eliminate potential risks, thereby preventing chemical accidents at their source. Through systematic management and preventive measures, we ensure the achievement of our safety goal of "zero chemical leaks".

At the same time, we actively promote the use of green chemicals and innovations in environmental protection technology, giving priority to low-toxicity and non-toxic alternatives when replacing highly toxic chemicals. By continuously optimizing our chemical usage and management mechanisms, we effectively reduce chemical consumption and waste, while enhancing the environmental friendliness and safety of our production processes.

⁵ Core Supplier: A supplier included in the core supplier list following an evaluation process. Selection is primarily based on a comprehensive assessment of product category importance, procurement value, the supplier's impact on the Company's operations, and the Company's influence over the supplier.

Low-Carbon Supply Chains

Promote the development of the local industrial chain

We fully leverage the leading role as a chain anchor enterprises, put into practice the supply chain management philosophy of "localization, mutual benefit, cultivation, and support", and strengthen collaboration across the supply chain and the development of the ecosystem. We continuously empower our partners in key areas such as materials, equipment, critical components, and warehousing to promote the localization of the industrial chain. Taking the Astronergy Haining Base as an example, we have successfully facilitated the clustering of local suppliers in the area, significantly reducing the supply chain response time and logistics distances.

In 2025, local procurement⁶ coverage:

86.63%

In 2025, local procurement contributed to

GDP: **9.408** billion RMB,

created jobs: over **6,000**

We continue to strengthen the development of green logistics by systematically advancing three key dimensions: low-carbon transport modes, green transport vehicles, and optimized transport routes, thereby reducing transportation carbon emissions and enhancing industrial synergy.

Low-carbon transport modes

We prioritize the advancement of multimodal transport. By integrating sea-rail, road-rail, and waterway shipping, we give precedence to water transport or sea-river intermodal solutions in coastal and riverside regions, utilizing low-energy alternatives to replace traditional land freight.

Green transport vehicles

We strictly screen shipping partners and enforce stringent requirements for clean energy adoption and environmental compliance. Concurrently, we are promoting new energy electric trucks for short-haul transport; currently, approximately 30%-40% of our short-haul operations utilize these vehicles.

Optimized transport routes

Through scientific route planning and optimized logistics radii, and by deeply aligning with sales and production schedules, we prioritize delivery from the nearest factory. In 2025, approximately 52% of products were scheduled based on "optimal shipping distance", achieving a dual reduction in transport mileage and carbon footprint.

⁶ Local procurement ratio: The proportion of suppliers located in the province where the production facility is situated, relative to the total number of suppliers of key raw materials.

Sharing Experiences in Green and Low-Carbon Initiatives

Astronergy believes that collaborating with business partners to achieve sustainable development is key to navigating industry cycles. We actively share our experience in building zero-carbon factories with partners, provide expert technical guidance, and share green technology achievements with partners across the industrial chain. Through research and specialized training, we identify suppliers' pain points and bottlenecks in carbon management, and work hand in hand with them to develop practical solutions, thereby upgrading carbon management from "point-based control" to "end-to-end coordination".

As of the end of 2025, the Company had encouraged four solar film suppliers to implement packaging material recycling initiatives, bringing the proportion of suppliers using recyclable packaging materials to approximately 60%, a year-on-year increase of 20% (compared with 50% in the previous year). In 2025, these green initiatives generated approximately RMB 12 million in revenue for the supply chain, transforming the green transition into a tangible and quantifiable driver of growth.

As one of the first companies to sign the WWF Sustainable Fuel Alliance initiative, we continue to drive the green transformation of our supply chain. Leveraging the Alliance's platform, we promote low-carbon transportation, the adoption of sustainable fuels, and the upgrading of green logistics. We integrate low-carbon requirements throughout the entire procurement, production, and logistics chain, leading supply chain emissions reduction efforts with international standards, and laying a solid foundation for carbon neutrality across the entire value chain. With an open and collaborative approach, we are working hand in hand with global partners to build a green, low-carbon, and resilient industrial ecosystem.

Industry-Wide Collaboration on Green and Low-Carbon Development

Astronergy actively promotes the development of a carbon footprint standards system for the photovoltaic industry and has played a key role in drafting the *Low carbon evaluation requirements for photovoltaic module export products*, providing critical support for the establishment of scientific and unified evaluation standards for the industry. At the same time, the Company has taken the lead in completing carbon footprint calculations based on domestic databases, setting a practical example for aligning industry carbon disclosure with international standards and continuing to lead the green and low-carbon transformation of the supply chain.



CASE

Astronergy participated in the compilation of the *Low carbon evaluation requirements for photovoltaic module export products* to promote the industry's green upgrade.

Astronergy actively responds to the global energy transition and the 'Dual Carbon' strategy. Against the backdrop of increasingly stringent low-carbon assessment requirements for PV module exports, the Company has played a pivotal role in the development of the industry standard *Low carbon evaluation requirements for photovoltaic module export products*. This effort promotes the establishment of a scientific and unified carbon footprint evaluation system. By integrating its practical experience in green manufacturing and supply chain management, Astronergy has contributed to defining the system boundaries, data quality, and assessment methodologies for carbon footprint accounting, providing clear guidance for the industry's low-carbon development.

Advancing Responsibility to Solidify the Foundation of Equitable Development

CASE Astronergy's product carbon footprint certification, sets a benchmark for the low-carbon transition of the global PV industry.

The carbon footprint level of PV modules is a core metric for overseas market access and competition. Leveraging a green supply chain management system encompassing five key dimensions—green design, green production, green suppliers, green recycling, and green information disclosure—Astronergy continuously reduces the carbon footprint of its PV module products. In 2025, our ASTRO N7s modules received the Carbon Footprint PPE2 Certificate from the French authority Certisolis, achieving an industry-low value of 350 kgCO₂e/kWc, which represents a year-on-year decrease of 7.89% compared to 2024. This certification validates the effectiveness of our green supply chain management in reducing carbon emissions and provides a quantifiable benchmark case for the global PV industry's low-carbon transition.



CASE Astronergy was selected for the UNGC case collection, exemplifying how a leading enterprise drives the green transformation of the PV supply chain.

In December 2025, the "UNGC Knowledge Outcomes and 25 Chain Masters Alliance Case Study Release" event, jointly initiated by the United Nations Global Compact (UNGC), Fudan University School of Management, and Yicai Sustainable Development Research Center, was successfully held. Astronergy was successfully included in the 25 Chain Master Alliance Sustainable Supply Chain Case Collection thanks to its systematic practices in supply chain empowerment and green manufacturing, highlighting its benchmark value and leading role as an industry chain leader in promoting sustainable development across the entire industrial chain.



Responsible Supply Chain

Responsible Sourcing Governance

In 2025, Astronergy continued to refine its policy framework for sustainable procurement. Building on its existing management of "3TG" minerals (tin, tantalum, tungsten, and gold), the Company incorporated silicon materials into its governance system. We officially launched our *Responsible Minerals Procurement Policy* and published the annual *Responsible Supply Chain Due Diligence Report*. Through these measures, Astronergy has established a closed-loop sustainable procurement management system that integrates policy formulation, implementation, and information disclosure.

Supply Chain Traceability

We have established a supply chain traceability governance mechanism characterized by clear hierarchies and explicit requirements. To enhance management efficiency, the Company has set up a dedicated Traceability Management Department, which coordinates key functions including Supply Chain, Planning, Production, and IT. Furthermore, we have implemented a comprehensive traceability management system covering the entire business lifecycle—from demand intake and review, capability building, order execution, and procurement collaboration, to final delivery—forming a complete closed-loop process.

In terms of institutional development, we have formulated the *Traceability Management Procedure*, the *Internal/External Traceability Management Specifications*, and several supporting policies. These documents define the execution standards for key traceability processes, such as whole-process production control and supplier traceability management, ensuring that all traceability data remains authentic, accurate, and fully accessible.

The Company has embedded special traceability programs into supplier management, and conducts regular assessments on traceable suppliers. Meanwhile, for some key traceable suppliers, the Company further invites third-party institutions to carry out traceability certification, so as to achieve closed-loop management of upstream and downstream traceability capabilities in the supply chain. Furthermore, the Company actively participates in the *Solar Stewardship Initiative (SSI)* certification. We have completed traceability audits for two manufacturing bases, ensuring our system aligns with international standards. To guarantee smooth operation, we have established a regular internal audit mechanism and introduced third-party assessments to rate the traceability capabilities of our production facilities.

Leveraging digital technologies, we have established a full-chain traceability system for silicon materials, capable of tracing module back to upstream quartz. This ensures the origin of each stage of material is clear, compliant, and verifiable. The Company utilizes the Supplier Relationship Management (SRM) cloud platform to manage the entire supplier lifecycle systematically. Furthermore, by deeply integrating Manufacturing Execution System (MES), SAP system, and the Warehouse Management System (WMS), we have built a robust technical foundation for multi-system collaborative traceability.

Labor and Human Rights Protection

Upholding a "zero-tolerance" principle, the Company has established a labor and human rights due diligence system comprising on-site supply chain audits, independent third-party audits and global risk database screening. We prioritize core risk issues such as child labor and forced labor, conducting comprehensive and in-depth reviews of the Company's operations and those of our upstream suppliers. This ensures that every link in the supply chain complies with international labor standards and local laws and regulations.

Astronergy has built a transparent and responsible mineral supply chain system. This not only effectively mitigates potential labor and human rights risks but also demonstrates the Company's firm commitment to safeguarding fundamental human rights and promoting social equity to global stakeholders.

Regarding the tin supply chain

Full Coverage Guarantee All direct suppliers have completed the *Conflict Minerals Reporting Template (CMRT)* and signed the *Conflict-Free Minerals Statement*, pledging to ensure compliant sourcing.

High-Risk Exclusion All upstream tin smelters involved in the verification process do not operate in Conflict-Affected and High-Risk Areas (CAHRAs).

Endorsed by Authoritative Bodies All relevant smelters have successfully passed the Responsible Mining Assurance Process (RMAP) conducted by the Responsible Mining Initiative (RMI). This eliminates the risk of financing conflicts and human rights abuses at the source, ensuring the ethical integrity of our mineral supply chain.

In the field of silicon material procurement

No record of violations All partner suppliers have undergone background checks, confirming no negative records or sanctions related to forced labor, discrimination, or other serious violations of international labor standards.

Safety at the Source The origin of all polysilicon used by the Company has undergone stringent assessment, confirming that it does not involve Conflict-Affected and High-Risk Areas (CAHRAs). This ensures the protection of labor rights at the geographical source.

Integrity-Driven Supply Chain

The Company places great emphasis on supplier integrity and compliance. Concurrently with the signing of framework contracts, suppliers are required to sign the *Chint Business Partner Code of Conduct* and the *Business Partner Integrity and Compliance Undertakings*. By doing so, they pledge to strictly adhere to provisions regarding integrity and compliance, business ethics, health and safety, labor and human rights, conflict minerals, and environmental protection. This ensures the fulfillment of social responsibilities and fosters a fair, transparent, and sustainable business cooperation environment.

The Company has established a robust whistleblowing mechanism, clarifying that all personnel have the right to report improper conduct such as corruption, fraud, and collusion. This mechanism also covers supervisory reporting on violations related to minerals (including silicon materials) throughout the mining, transportation, trading, processing, and export stages. Meanwhile, employees are obligated to promptly report to the Compliance Department any potential misconduct or suspicious leads involving themselves, management, or business partners. Through these end-to-end, multi-dimensional compliance controls, we solidify the foundation of supply chain ESG governance, ensuring that our business operations remain transparent, compliant, and sustainable.

As of the end of the reporting period, the signing rate for the *Chint Business Partner Code of Conduct* among suppliers reached **100%**

Shared Prosperity Supply Chain

The Company consistently views the cultivation of core suppliers as a key driver of high-quality supply chain development. By continuously supporting the growth of high-quality small and medium-sized suppliers (SMEs), we have established a tiered and robust supply system. We actively foster technologically advanced and culturally aligned SMEs, empowering them to become backbone enterprises of the industry. As of the end of the reporting period, this initiative has yielded significant results: we have nurtured 14 companies with revenues exceeding 100 million RMB, 12 companies exceeding 1 billion RMB, 3 companies exceeding 10 billion RMB, and 3 listed companies. Leveraging our strengths as a "Chain Leader" enterprise, we effectively extend industrial radiation effects, injecting sustained momentum into the high-quality development of the photovoltaic industry.

Astronergy actively promotes deep collaboration and shared responsibility across the upstream and downstream supply chain. Partnering with the United Nations Global Compact (UNGC), renowned universities, and media research institutions, the Company continuously deepens the green synergy mechanism of the photovoltaic industry chain, comprehensively elevating the level of sustainable development.

CASE Astronergy promotes suppliers to join the UN Global Compact (UNGC)

During the reporting period, the "25 Sustainable Development Chain Leader Alliance" project—launched by the UNGC China Liaison Office in collaboration with knowledge partners Fudan University School of Management and the CBN Sustainable Development Research Center—visited Astronergy. The delegation conducted an in-depth tour of Astronergy's Haining Intelligent Manufacturing Base and held in-depth discussions with company management and upstream and downstream suppliers on low-carbon management throughout the PV industry's life cycle and supply chain collaborative innovation. Focusing on coordinated emission reduction across the supply chain, Astronergy joined the "25 Sustainable Development Chain Leader Alliance" in jointly advocating for and facilitating the active participation of core suppliers in the *UN Global Compact*. Together, they are building a green and low-carbon PV industry ecosystem. By the end of 2025, Astronergy had facilitated 5 suppliers to join the UNGC, working in synergy to advance global sustainable development.

Empowering the Chain, Sustaining the Future

Looking ahead, the photovoltaic industry is entering a new phase of high-quality development, characterized by rapid technological iteration, market landscape reshaping, and elevated green standards. Consequently, competition regarding supply chain resilience will become increasingly critical. Astronergy will remain committed to a long-termism approach, optimizing global supply chain layouts and strengthening the synergy between R&D, production, and supply to enhance multi-regional supply flexibility and risk resilience. Simultaneously, we will continue to implement green principles, driving the low-carbon transition of the industrial chain and practicing responsible sourcing. By collaborating with partners to build a resilient industrial ecosystem, Astronergy aims to navigate industry challenges with a robust and forward-looking supply chain system, thereby contributing to the global energy transition and sustainable development.

Sustainability Management

24	Sustainability Strategy
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Sustainability Strategy

Under the guidance of Chint Group's "EMPOWER" sustainability strategic framework, Astronergy actively undertakes the Group's core mission of advancing the green energy transition. Anchored in its core photovoltaic business and aligned with its own development strategy and business model, the Company has established a sustainability strategic system built on three pillars – "Zero-Carbon Future, Diversity and Inclusion, and Responsible Operations". By seizing opportunities in clean energy, fostering synergy across the industrial ecosystem, and enhancing value chain efficiency, Astronergy strives to create integrated environmental, social, and economic values.

Strategic Approach

Zero-Carbon Future

Based on clean production, create a sustainable and net-zero carbon world with solar power

Diversity and Inclusion

Promote decent work, create an inclusive and diverse workplace

Responsible Operations

Responsible operations, create positive environmental and social impacts in the value chain

Strategic Connotation

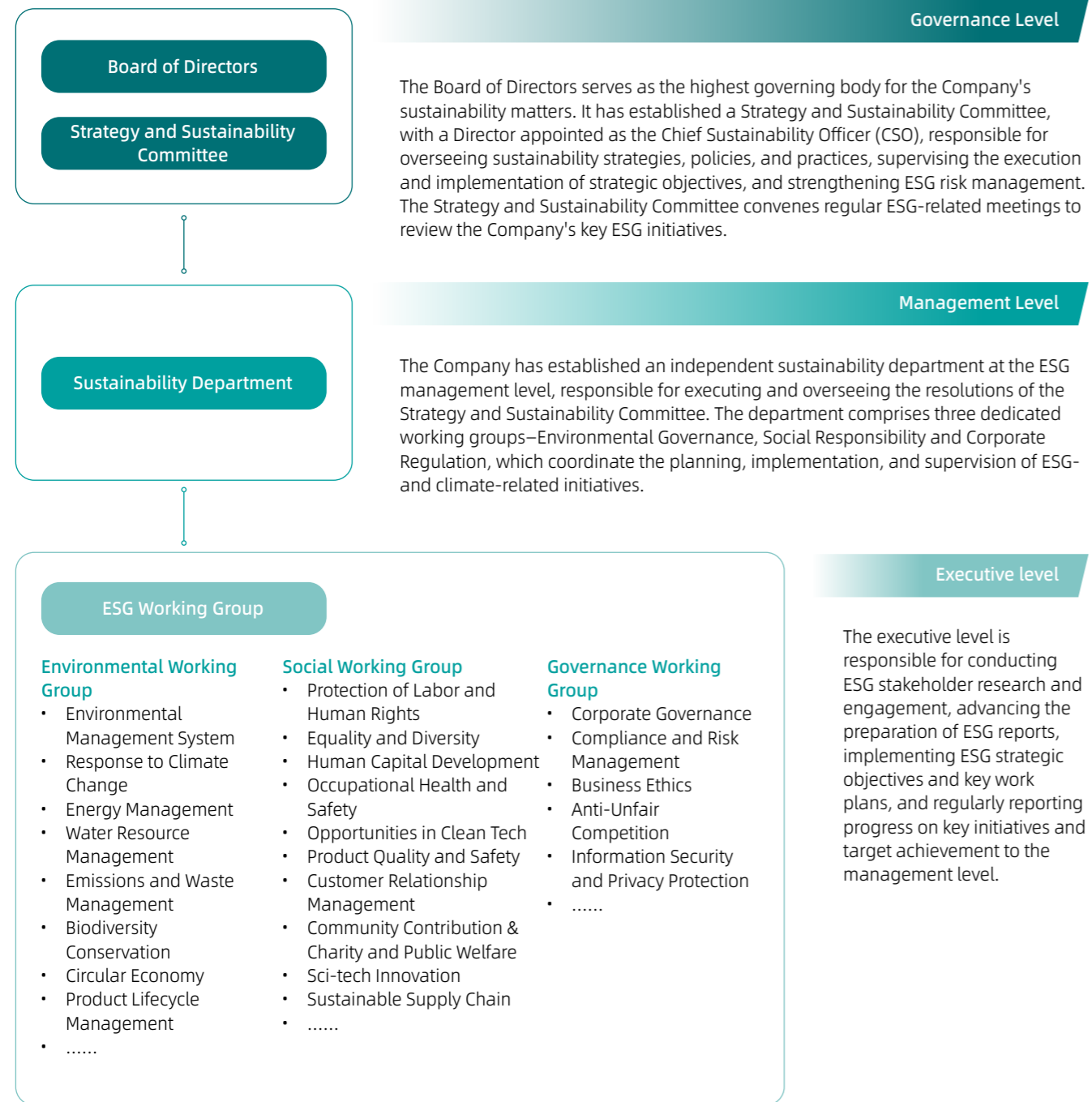
Astronergy has always taken "green and sustainable development" as the Company's long-term strategic plan. Throughout the entire product lifecycle of "development - procurement - production - sales - delivery - recycling", we adhere to the practice of green concepts and continuously implement energy-saving and low-carbon actions in all links of manufacturing. Meanwhile, within the enterprise, Astronergy is also actively carrying out smart energy supply and utilization projects that are green, energy-saving, and low-carbon to advance the construction of green factories.

Astronergy always adheres to people-oriented principle and is committed to building a harmonious, inclusive and better society. We fully protect the rights and interests of employees, create safe working environment, and provide employees with broad career development opportunities. Meanwhile, we actively carry out public welfare activities, promote the development of local communities and serve the society with concrete actions.

Corporate governance is the core of modern corporate system and a permanent topic. It is the pivot to ensure stable business operation and scientific decision-making, and a key mechanism to breaking information barriers across stakeholders. A well-established governance structure is the guarantee of sustainable corporate operation, continuously enhancing overall corporate power and demonstrating outstanding market competitiveness.

Sustainability Governance

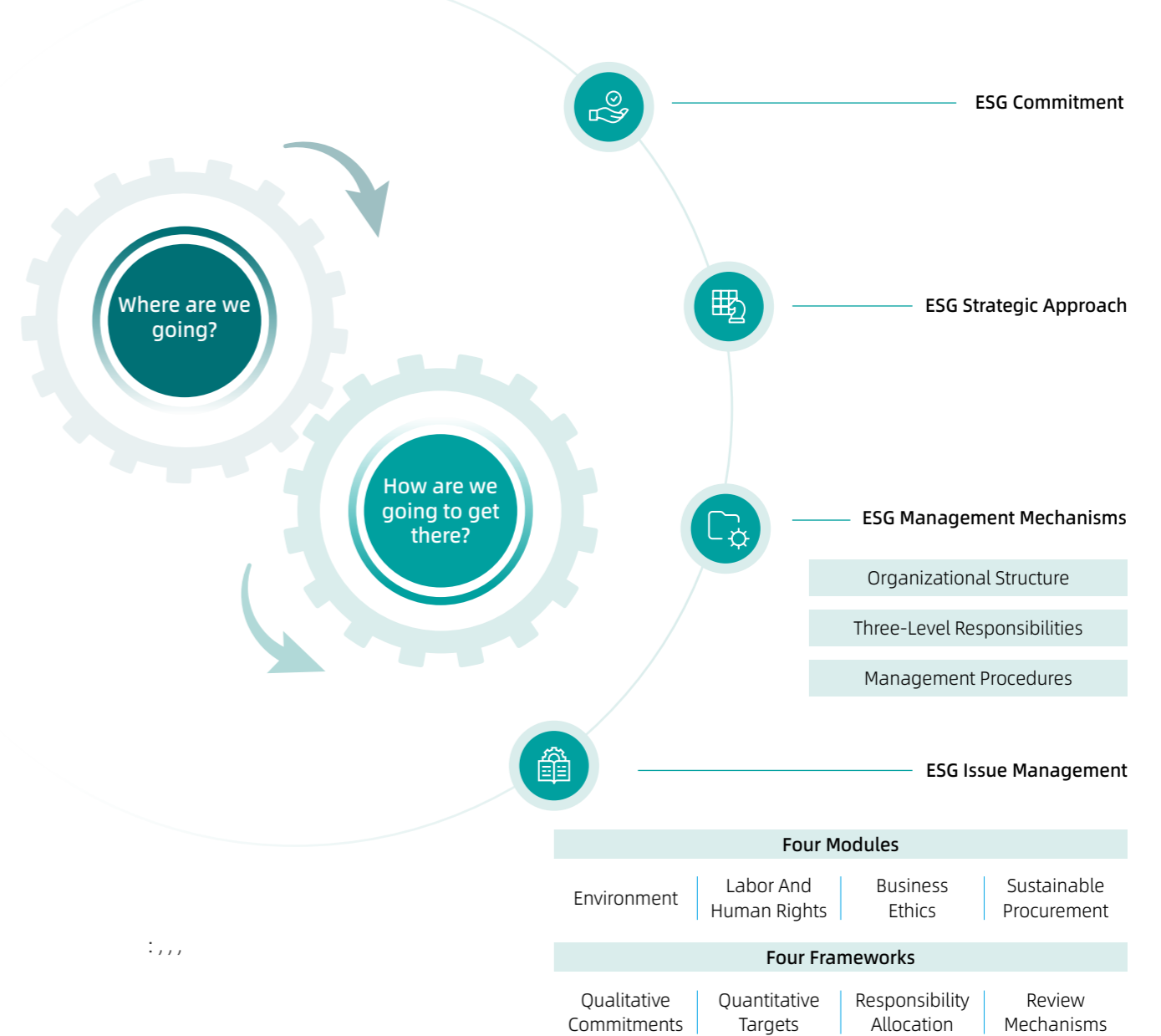
Astronergy attaches great importance to sustainability governance and has established a three-tier governance structure comprising the governance level, management level, and executive level. The Board of Directors has set up a Strategy and Sustainability Committee and appointed a Director as the Chief Sustainability Officer (CSO), responsible for overall coordination, decision-making, and oversight of sustainability strategies, policies, and practices. The CSO also drives the implementation of strategic objectives and strengthens ESG risk identification and management.



ESG Governance Structure

With the *Chint New Energy ESG Policy* as the core, Astronergy continuously optimizes our ESG commitments, issue management, and governance mechanisms across four key areas—environment, labor and human rights, business ethics, and sustainable procurement. In July 2025, the Company officially received validation of its science-based targets from the Science Based Targets initiative (SBTi), further enhancing the implementability and verifiability of its sustainability commitments. Meanwhile, Astronergy continues to refine its ESG topic management framework. Under the "Protection of Labor and Human Rights" issue, the Company has further strengthened its commitments related to living wages and promoted the implementation of relevant management mechanisms. In terms of governance mechanisms, Astronergy has continuously enhanced ESG data management and cross-departmental collaboration capabilities. During the Reporting Period, the Company officially launched an ESG data management system to support key activities such as ESG information disclosure, ratings, and audits, thereby improving data traceability, audit support, and overall management efficiency.

The Company regularly tracks progress against its short-, medium-, and long-term sustainability targets and incorporates target achievement into executive performance incentives. Executive bonuses are linked to the progress of sustainability initiatives and the attainment of relevant targets, ensuring the effective integration of ESG requirements into business operations and management. In addition, Astronergy continues to conduct ESG-specific training programs to strengthen the day-to-day ESG management capabilities of various functional departments. In 2025, a total of 36 ESG-related training sessions were delivered, achieving 100% employee coverage.



Sustainable Activities

Astronergy continuously tracks cutting-edge issues in sustainable development and actively participates in domestic and international industry exchanges and collaborations, promoting multi-stakeholder synergy to support the achievement of low-carbon sustainable development goals.

Astronergy Showcased at the World Future Energy Summit 2025.

In January 2025, Astronergy participated in the World Future Energy Summit 2025 held in Abu Dhabi, presenting photovoltaic module solutions tailored for high-temperature application scenarios. In response to the hot and arid environmental conditions of the Middle East, the Company highlighted the ASTRO N7 series modules, demonstrating their comprehensive advantages in high efficiency, high reliability, and low leveled cost of electricity (LCOE). During the summit, Astronergy also jointly launched the IEC TS 63126:2020 Level 2 high-temperature application project in collaboration with TÜV Rheinland, further advancing performance evaluation and validation of photovoltaic modules under extreme high-temperature conditions. By engaging in international energy exchange platforms and deepening technical cooperation in high-temperature scenarios, Astronergy continues to enhance product adaptability to complex environments, supporting regional clean energy applications and low-carbon transition.



Astronergy Attended the International Investment Alliance for Renewable Energy (IIARE) Conference.

In October 2025, Astronergy attended a meeting of the International Investment Alliance for Renewable Energy (IIARE), engaging with industry peers on topics including high-quality development of the renewable energy industry, green overseas expansion, and industrial collaboration. During the meeting, Astronergy witnessed the release of the High-Quality Development Initiative, which advocates the establishment of a modern renewable energy system that is "safe, efficient, clean, intelligent, and collaborative", and promotes the transition of the industry from scale expansion to quality- and efficiency-driven growth. Simultaneously, Astronergy officially joined the Alliance as a new member and participated in in-depth discussions on coordinated overseas expansion, innovative cooperation models, and market opportunities. Through active participation in industry collaboration platforms and dialogue, the Company continues to deepen cooperation in green energy and contributes to the development of a modern energy system and sustainable development.



Astronergy Participated in a Parallel Forum of the Shanghai Cooperation Organization (SCO) Energy Ministers Meeting.

In June 2025, Lu Chuan, Director of CHINT Group Co., Ltd., Chairman of Zhejiang Chint New Energy Development Co.,Ltd., and Chairman and President of Astronergy, presented the Company's green energy development practices at a parallel forum of the Shanghai Cooperation Organization (SCO) Energy Ministers Meeting.

Focusing on the "Dual Carbon" goals, the Company is advancing a full industry chain closed-loop model of "green electricity - green manufacturing - green products - green electricity", with strategic deployment in PV and energy storage manufacturing, wind and solar power plant development, and integrated energy services. In production and operations, Astronergy enhances lifecycle management capabilities through the application of intelligent manufacturing, digital twin technologies, and smart operation and maintenance, while continuously advancing zero-carbon factory development. At the same time, the Company strengthens the application of integrated PV-storage and multi-energy complementary solutions, improving energy supply capacity and efficiency in complex scenarios, and driving the transition of energy systems toward low-carbon and intelligent development.



Astronergy Participated in the "From Craftsmanship to Global Markets" 2025 Overseas Expansion Conference.

In July 2025, Haiyan Huang, Astronergy's Executive Vice President (EVP) and Chief Sustainability Officer (CSO), introduced the latest progress of the Company's globalization strategy at the "From Craftsmanship to Global Markets" 2025 Overseas Expansion Conference held in Qiantang, Hangzhou. The Company's overseas expansion pathway has evolved from "product export" and "brand globalization" to "localized manufacturing". Astronergy has established a sales network in more than 140 countries and regions worldwide, continuously enhancing its global presence. Huang Haiyan highlighted the "localized manufacturing" strategy, introducing the Company's deployment of intelligent manufacturing bases in Thailand and Türkiye to strengthen supply chain resilience and risk mitigation capabilities. Through a "win-win integration" overseas expansion model, Astronergy collaborates with global partners to promote resource sharing and risk sharing, fostering coordinated development across the green energy industry chain.

In response to the complex and evolving international environment, the Company advances localized operations through a "four-in-one" strategy—overseas production capacity, localized talent, compliant operations, and supply chain localization. At the same time, Astronergy continues to increase R&D investment to maintain technological leadership and promote the application and development of green energy.



Showcased at Clean Energy Expo China 2025



Showcased at Large Scale Solar Central & Eastern Europe 2025



Showcased at All Energy Australia 2025



Attended Solar & Storage Live Africa 2025

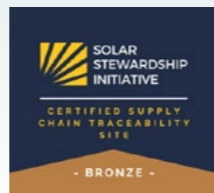


Showcased at PV ModuleTech Europe 2025

Sustainability Honors and Recognitions



Solar Stewardship Initiative (SSI) ESG Certification -Silver Medal⁷



Solar Stewardship Initiative (SSI) Supply Chain Traceability Certification-Bronze Medal⁸



Forbes China Sustainable Industrial Enterprises 2024-2025



EcoVadis Group-level Platinum Medal



China Supplier ESG Rating Six-Star Excellence Certificate



CDP 2025 Climate Change Score - Level B

Astronergy Case Selected for the *China Corporate Sustainability Innovation Casebook*

United Nations Global Compact (UNGC)



CDP 2025 Water Security Score - Level A-

Astronergy Case Selected for the *Sustainable Supply Chain Casebook of the UNGC 25 Leading Enterprises Alliance*

United Nations Global Compact (UNGC)

Astronergy Case Selected for the *2025 Corporate (Industrial Park) Climate Action Casebook*

Center for Environmental Education and Communications of Ministry of Ecology and Environment

Top 10 in the 2025 Green Photovoltaic Supply Chain Initiative

Institute of Public and Environmental Affairs (IPE) and SIP Lvse Jiangnan Public Environmental Concern Centre

Outstanding Practice Enterprise for Zero-Carbon Parks at the 2025 "Polaris Cup"

Polaris Power Network (BJX.com.cn)

⁷ As of the end of the Reporting Period, Chint Solar (Haining) Co., Ltd. and Chint New Energy Technology (Fuyang) Co.,Ltd. were certified Silver against the SSI ESG Standard.

⁸ As of the end of the Reporting Period, Chint Solar (Haining) Co., Ltd. and Chint New Energy Technology (Fuyang) Co.,Ltd. were certified SSI Supply Chain Traceability Standard and had achieved Bronze Medal.

Management System Certifications



ISO 9001 Quality Management System



ISO 14001 Environmental Management System



ISO 50001 Energy Management System



ISO 45001 Occupational Health and Safety Management System



ISO 37001 Anti-Bribery Management System



IEC 62941 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



ISO 37301 Compliance Management System



ISO 27001 Information Security Management System



SA 8000 International Standard System

Stakeholder Engagement

Astronergy places high importance on the expectations of diverse stakeholder groups, including shareholders and investors, government and regulatory authorities, customers, employees, partners, the general public, and social media. The Company maintains ongoing communication and engagement through diversified channels to better understand stakeholders' expectations and recommendations regarding its ESG performance. During the Reporting Period, the Company continuously improved its stakeholder management mechanism. Based on the identification and assessment of compliance risks, Astronergy screened and identified key stakeholders, developed engagement plans for these core groups, and conducted communication through questionnaires, interviews, and other approaches. Through these efforts, the Company systematically collected stakeholder concerns and recommendations on ESG issues and consolidated feedback outcomes. Astronergy fully incorporates such input into its business decision-making, takes timely responsive actions, and continuously enhances its sustainability performance.



Stakeholders	Issues Concerned	Main Communication Channels
Shareholders and Investors	<ul style="list-style-type: none"> Corporate Governance Opportunities in Clean Tech Sustainable Supply Chain Human Capital Development 	<ul style="list-style-type: none"> Telephone interviews Field visits Investor relations department Investment and financing interface Business exhibition platform
Government and Regulatory Authorities	<ul style="list-style-type: none"> Compliance and Risk Management Response to Climate Change Sci-tech Innovation Environmental Management System Sustainable Supply Chain 	<ul style="list-style-type: none"> Face-to-face interviews Regular visits Daily communication
Customers	<ul style="list-style-type: none"> Sci-tech Innovation Product Quality and Safety Compliance and Risk Management Product Lifecycle Management Human Capital Development 	<ul style="list-style-type: none"> Telephone interviews Customer visits Email correspondence Dedicated contact Business sales overlap
Employees	<ul style="list-style-type: none"> Protection of Labor and Human Rights Human Capital Development Equality and Diversity Occupational Health and Safety 	<ul style="list-style-type: none"> Management communication Internal official account Satisfaction survey questionnaire Company OA platform Department reports
Partners (including but not limited to suppliers and contractors)	<ul style="list-style-type: none"> Sustainable Supply Chain Response to Climate Change Product Lifecycle Management Circular Economy Business Ethics 	<ul style="list-style-type: none"> Regular follow-up visits Satisfaction survey Email correspondence Exhibition exchange Business exhibition platform

Stakeholders	Issues Concerned	Main Communication Channels
General Public and Social Media	<ul style="list-style-type: none"> Response to Climate Change Compliance and Risk Management Sustainable Supply Chain Business Ethics Protection of Labor and Human Rights 	<ul style="list-style-type: none"> Satisfaction questionnaire survey Official account platform Telephone Business exhibition platform Interviews
Surrounding Communities (including residents)	<ul style="list-style-type: none"> Environmental Management System Community Construction & Charity and Public Welfare Response to Climate Change 	<ul style="list-style-type: none"> Questionnaire survey Official account platform Telephone interviews Daily communication
Research Institutions	<ul style="list-style-type: none"> Sci-tech Innovation Product Lifecycle Management 	<ul style="list-style-type: none"> Research collaboration School-enterprise cooperation Sales platform Technical exchange Trade exhibitions
Industry Associations	<ul style="list-style-type: none"> Environmental Management System Response to Climate Change Product Lifecycle Management Circular Economy Community Construction & Charity and Public Welfare Human Capital Development 	<ul style="list-style-type: none"> Telephone interviews Regular follow-up visits Business exhibition platform Department contact Offline communication
Companies in the same industry	<ul style="list-style-type: none"> Response to Climate Change Biodiversity Conservation 	<ul style="list-style-type: none"> Telephone interviews Regular follow-up visits Satisfaction survey Social software Sector head communication

Materiality Assessment

In 2025, in response to changes in the market environment, emerging requirements in the field of sustainable development, and the Company's strategic priorities, Astronergy continued to benchmark against international initiatives and standards, key concerns of investors and rating agencies, leading industry practices, and its own sustainability strategy and objectives, systematically identifying 23 ESG issues highly relevant to the Company. Following the "double materiality" principle, Astronergy invited both internal and external stakeholders to assess these issues from two dimensions: financial materiality and impact materiality, forming a double materiality matrix. The report provides focused disclosure on highly material issues to address stakeholders' concerns regarding the Company's sustainability performance.

Identification

Based on industry characteristics, business strategy, and sustainability objectives, and incorporating standards, stakeholder engagement outcomes, peer practices, and investor and rating agency focus areas, Astronergy systematically identifies ESG issues highly relevant to the Company.

Stakeholder Engagement

Through questionnaires and interviews, Astronergy invites internal and external stakeholders to assess ESG issues from impact and financial materiality perspectives. Management and departmental representatives also participate, ensuring comprehensive input.

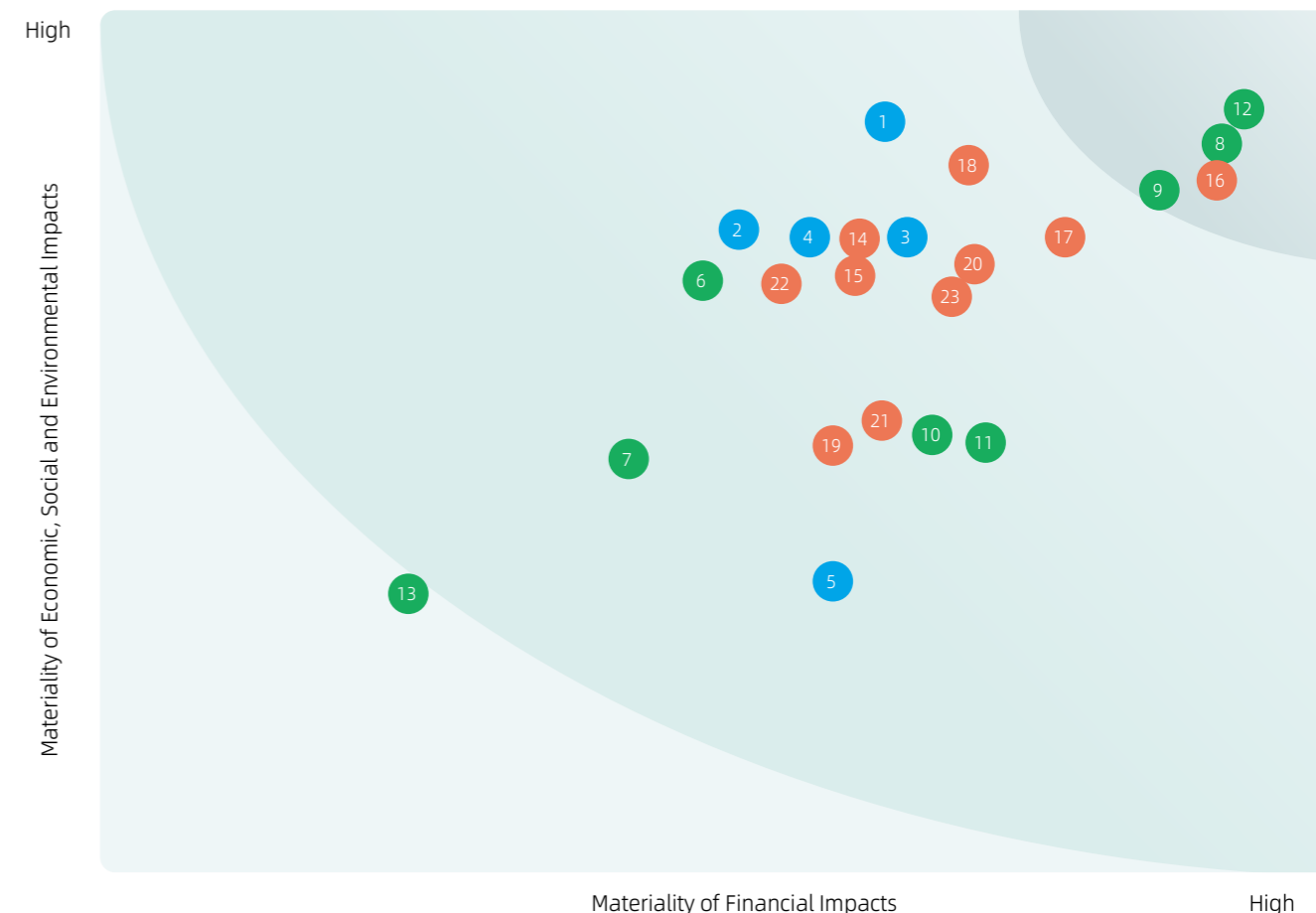
Materiality Assessment and Prioritization

Based on stakeholder feedback, expert opinions, and management discussions, Astronergy conducts a comprehensive evaluation and prioritization of ESG issues, forming a double materiality matrix.

Confirmation and Reporting

Following management review, the results are submitted to the Board of Directors for approval and disclosed in the annual sustainability report.

Double Materiality Assessment Steps



Governance	Environment	Social
1 Business Ethics	6 Environmental Management System	14 Opportunities in Clean Tech
2 Anti-Unfair Competition	7 Biodiversity Conservation	15 Sci-tech Innovation
3 Compliance and Risk Management	8 Response to Climate Change	16 Product Quality and Safety
4 Corporate Governance	9 Product Lifecycle Management	17 Customer Relationship Management
5 Information Security and Privacy Protection	10 Water Resource Management	18 Sustainable Supply Chain
	11 Circular Economy	19 Equality and Diversity
	12 Energy Management	20 Labor and Human Rights Protection
	13 Emissions and Waste Management	21 Human Capital Development
		22 Occupational Health and Safety
		23 Community Engagement and Charitable Initiatives

Astronergy Double Materiality Matrix

The assessment results indicate that four issues are material from both a financial perspective and an impact perspective, while 19 issues are material only in terms of impacts. For issues with financial materiality—namely Energy Management, Response to Climate Change, Product Lifecycle Management, and Product Quality and Safety—the Company provides disclosures in accordance with the Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies – Sustainability Report (Trial), covering four aspects including Governance, Strategy, Impacts, Risks and Opportunities Management, and Indicators and Targets.

Uphold Integrity, Uphold Governance

Response Issues

Corporate Governance

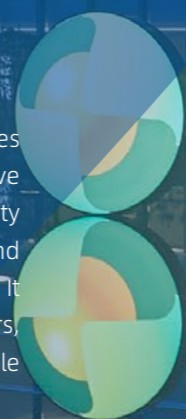
Compliance and Risk Management

Business Ethics

Anti-Unfair Competition

Information Security and Privacy Protection

We establish a corporate governance system with clear rights and responsibilities and efficient collaboration, ensuring scientific decision-making and effective oversight. It strictly adheres to the *red line of business ethics*, integrating integrity and compliance into all business processes. Through institutional constraints and technological upgrades, it continuously safeguards information and data security. It effectively protects the long-term interests of stakeholders—including shareholders, employees, and partners—solidifying the trust cornerstone underpinning sustainable growth.



ASTRONERGY

ASTRONERGY

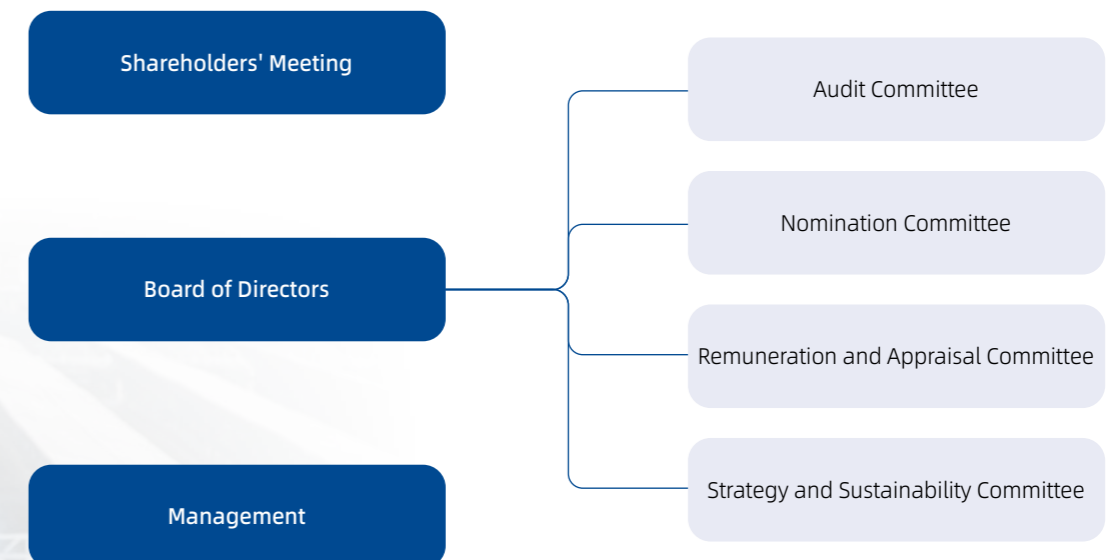
Respond UN SDGs



Corporate Governance

The Company strictly adheres to the *Company Law of the People's Republic of China*, the *Securities Law of the People's Republic of China*, and other laws, regulations, and regulatory requirements. It has formulated systems including the *Articles of Association of Chint New Energy Technology*, the *Rules of Procedure of the Shareholders' Meeting*, the *Procedural Rules for the Board of Directors*, establishing a corporate governance system with clear rights and responsibilities and efficient operation, comprising the Shareholders' Meeting, Board of Directors, and management. The Board of Directors has established under it four specialized committees—Audit Committee, Nomination Committee, Remuneration and Appraisal Committee, and Strategy and Sustainable Development Committee—effectively ensuring the scientific nature of the Company's major decisions. In 2025, the Company held 2 Shareholders' Meetings and 3 Board of Directors meetings, with a 100% attendance rate among board members.

Issue	Sustainability Strategy Targets	2025 Progress
Corporate Governance	All management members' remuneration linked to ESG performance	100% management members' remuneration linked to ESG performance
Business Ethics	Conduct business ethics audits at all operating sites annually	Conducted business ethics audits at operating sites, totaling 10 times

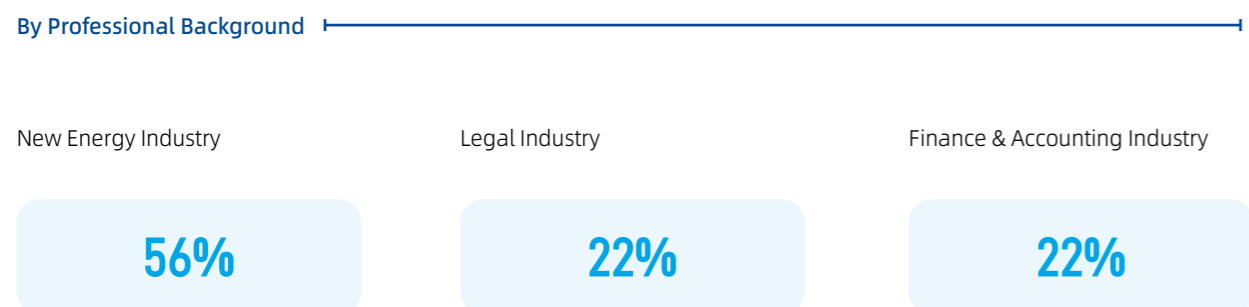
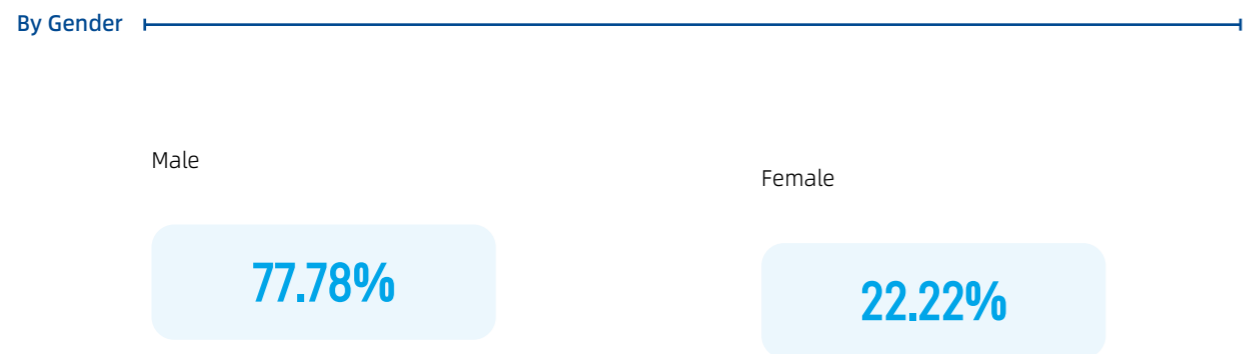
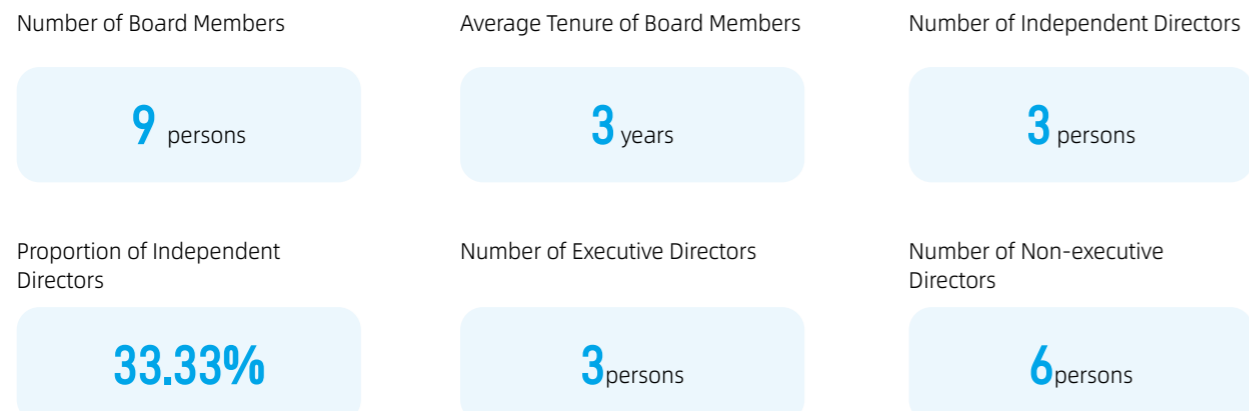


Astronergy's Corporate Governance Structure

We have formulated and strictly implemented internal systems including the *Measures for Independent Directors*, the *Working System for Independent Directors*, and the *Principles and Implementation of Board Member Diversity* to ensure the Board of Directors' oversight and decision-making roles in material corporate matters. Meanwhile, we actively promote the diversification of the Board of Directors, comprehensively considering candidates' professional qualifications, industry experience, and governance capabilities during nomination and appointment. Currently, Board members possess cross-industry backgrounds across multiple fields such as new energy, law, financial and accounting. As of the end of the Reporting Period, the Board of Directors consists of 9 directors, including 2 female directors (22.22%).

Compliance and Risk Management

Astronergy's Board Composition



Compliance Management

The Company strictly adheres to laws and regulations of countries where it operates and where its products are marketed and has formulated internal norms including the *Integrity and Compliance Business Conduct Management System*. It strengthens management of key compliance issues—commercial bribery, data security, and trade controls—to address the increasingly stringent compliance regulatory environment in key markets like Europe and the U.S. We refine employee codes of conduct and accountability mechanisms, setting clear boundaries for all employees to fulfill compliance duties, ensuring all operations and management align throughout with laws, regulations, industry standards, and ethical norms.

Under the leadership of the Head of Compliance Management, the Company has established a three-tier linkage mechanism—led by the Compliance Department, coordinated by various business departments, and embedded with departmental compliance ambassadors—comprehensively covering the entire process of compliance risk identification, assessment, monitoring, and response. A regular reporting mechanism is in place to periodically update the Board of Directors and executive team on compliance progress and risk status, enabling dynamic optimization of control strategies. By combining rigid institutional constraints with flexible execution coordination, the Company continuously enhances its global compliance operation capability, providing a solid guarantee for steady international market expansion.

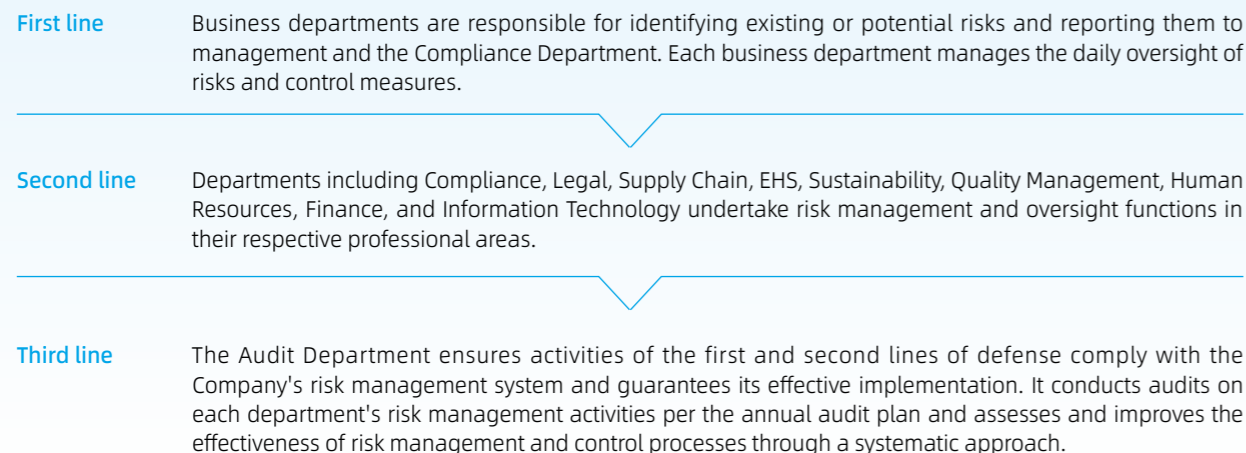
- Compliance Risk Identification** Formulate and strictly implement the *Compliance Risk and Opportunity Management system* to systematically identify and sort out potential compliance risks. Regularly update the *Compliance Risk Identification and Assessment List annually*, clarifying definitions and potential impacts of various compliance risks and developing targeted control measures categorized by risk level.
- Laws and Regulations Interpretation** Focusing on 17 key compliance management topics, systematically compile a list of relevant laws and regulations, dynamically track changes in external laws, regulations, and regulatory requirements, and regularly organize interpretation meetings to ensure compliance management work is legally grounded.
- Compliance Capacity Building** Build a systematic compliance training system, integrating domestic and international contexts and results of key compliance risk positioning. Rely on various formats—online courses, on-site training, live streaming, publishing subscription account articles, and hosting compliance culture theme days—to conduct tiered delivery of system promotion, standard training, and special training to different groups, continuously enhancing all employees' compliance awareness and performance capabilities.

Compliance Management Initiatives

Risk Prevention and Control

We regard risk management as a top priority in corporate governance. The Board of Directors, as the highest decision-making body for risk management, is responsible for decisions on risk identification, assessment, and response. We have formulated systems including the *Risk and Opportunity Management Procedure* and the *Social Responsibility Risk Assessment and Control Procedure* to strengthen all employees' risk awareness and enhance transparency in compliance governance.

The Company continues to strengthen the construction of its compliance risk management system, using the "Three Lines of Defense" approach to systematically enhance risk prevention and control capabilities. By improving the compliance risk assessment mechanism and establishing a three-tier risk classification standard (high, medium, low), it achieves full coverage of all business processes. On this basis, led by the compliance team, cross-departmental collaboration is organized to conduct systematic risk screening, comprehensively sort out compliance and bribery risks, and develop two standardized management tools: the *Bribery Risk Identification Checklist* and the *Compliance Risk Identification Checklist*. High-risk items identified during screening are incorporated into the key supervision directory for dynamic monitoring and special governance, establishing a closed-loop risk management mechanism.



Risk Management "Three Lines of Defense"

We deepen the collaborative management of risks and opportunities, identifying a cumulative total of 309 company-level compliance risks in 2025. Focusing on key variables of internal strategy and external environment to assess key areas, it identifies potential opportunities by analyzing internal and external factors, providing multi-dimensional decision support for anti-bribery management strategic planning. This effectively promotes the organic integration of compliance governance and business development, ultimately forming an end-to-end control system of "identification-assessment-monitoring-governance" to build a solid compliance barrier for high-quality development.

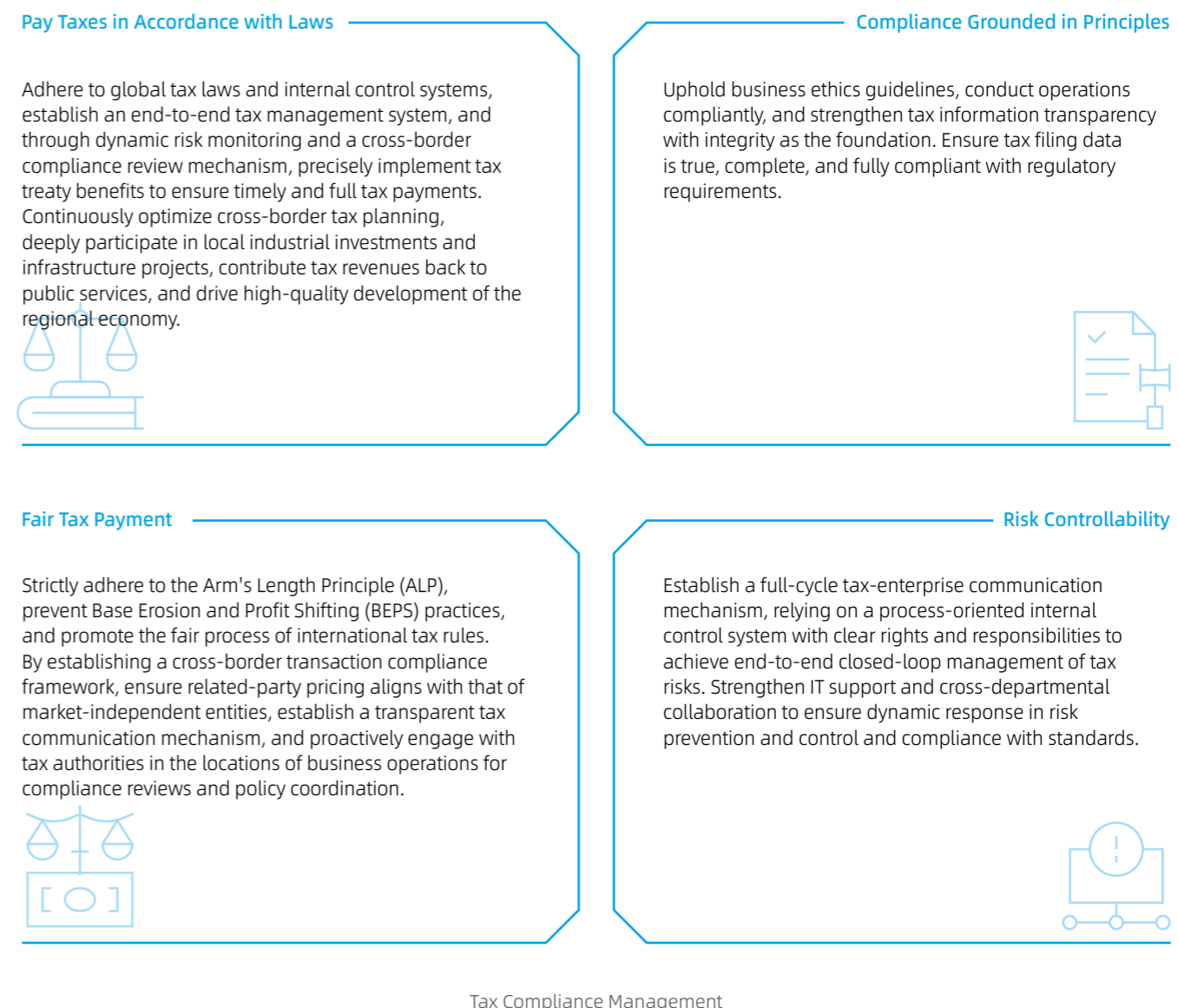
In 2025, the compliance team, centered on global business risk prevention and control, adopted a trinity strategy of mechanism innovation, data-driven approaches, and tool empowerment. This helps the Company navigate the complex and volatile international regulatory environment, providing strategic-level compliance assurance for overseas business expansion.

<p>Establish a regularized risk assessment and analysis system</p> <p>Establish a joint assessment mechanism for major overseas regulations, implement "dual prevention and control" in contract review, information disclosure, and other links, output multiple risk assessment reports, and unify implementation standards. Implement the <i>Hierarchical and Categorized Management List for Trade Compliance Risks</i>, apply differentiated control for different countries and business areas, and achieve precise allocation of risk resources and closed-loop management.</p>	<p>Develop a strategic-level compliance analysis tool</p> <p>Systematically assess risks such as geopolitics and trade controls, list high-risk countries and propose scenario-based response recommendations to support overseas market access decisions. Sort out global regulatory requirements for the entire data lifecycle, innovatively construct a multi-jurisdictional compliance framework, conduct hierarchical evaluations based on regulatory stringency, and optimize compliance resource allocation.</p>	<p>Deploy an intelligent dynamic monitoring tool</p> <p>Access mainstream international legal databases to real-time track trade policies, export controls, and sanctions updates in key countries. Through technical tools, enable automatic identification of regulatory changes and early warning responses to ensure the timeliness of compliance management.</p>
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The Company adopts a closed-loop management model-"founded on a global compliance system, implemented via customs clearance SOPs, and driven by the goal of zero penalties"-to shift customs compliance from passive inspection response to proactive risk prevention. This ultimately achieves the comprehensive objective in international trade of guaranteed compliance, efficient clearance, and controllable risks, building a solid customs compliance barrier for global business expansion.

Compliance Tax Strategy

The Company adheres to tax laws and regulations of jurisdictions where it operates globally and strictly fulfills tax obligations. It has established a dedicated tax management department, deeply involved in major business activities such as strategic planning and investment decisions. By building a close linkage mechanism between tax monitoring and business operations, it continuously strengthens tax risk identification capabilities and compliance management levels. The Company has built an institutional system covering tax risk prevention and control, compliance reviews, and other areas, regularly conducting cross-departmental tax health checks and policy adaptability assessments. It uses digital tools to enable real-time interaction and verification between tax filing data and business systems. As of the end of the Reporting Period, the Company has not had any tax-related violations.



To systematically enhance tax management capabilities, the Company established a digital electronic sales invoice management platform, strengthening end-to-end informatized control of tax risks and accelerating the digital transformation of tax management. Simultaneously, it built a knowledge base of tax policies and regulations, conducting sorting and in-depth analysis by integrating business scenarios. It regularly organizes employee training on business skills and policy interpretation, helping accurately grasp and strictly implement the Company's tax policies and management regulations to effectively control tax risks.

Business Ethics

We always adhered to the fundamental principles of business ethics and strictly complied with laws and regulations including the *Criminal Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, and the *Anti-Money Laundering Law of the People's Republic of China*, the *Anti-monopoly Law of the People's Republic of China*. It has established and refined internal management regulations including the *Integrity and Compliance Business Conduct Management System*, the *Conflict of Interest Avoidance Management*, *Anti-Bribery Management Manual*, and the *Donation and Sponsorship Management* to systematically regulate and constrain the business conduct of all employees, management personnel, and partners. It strictly prohibits and resolutely resists all illegal and non-compliant acts such as commercial bribery, embezzlement, monopolistic practices, money laundering, and unfair competition. During the Reporting Period, no relevant illegal or non-compliant litigation cases or penalty incidents occurred, including those involving embezzlement, bribery, conflict of interest, fraud, or insider trading.

In 2025, we deepened business ethics management for suppliers by revising and strictly implementing core management tools including the *Chint Business Partner Code of Conduct*, the *Business Partner Integrity and Compliance Undertakings*, and the *Business Partner Due Diligence Questionnaire*. This established a compliance management framework covering the entire supply chain lifecycle, strengthened the granularity of risk identification and penetrative power of control, and comprehensively enhanced compliance management effectiveness.



In 2025, the Company continuously improved business ethics management by integrating internal and external audits. We conducted business ethics audits at all operating sites, including 4 internal audits and 6 third-party audits.

Anti-Bribery Management

We uphold the principles of integrity in business operations and ethical conduct, and systematically advance anti-bribery compliance management. By establishing the *Anti-Bribery Management Manual*, the Company has defined management standards and operational guidelines, and established a three-tier governance structure comprising the Board of Directors, management, and the anti-bribery compliance team.



The Company continuously deepens and expands the construction and certification of its anti-bribery management system. By carrying out a series of audits and certification programs, it systematically maintains and enhances the system's integrity, effectiveness, and scope of coverage across its new energy operations.

CASE Astronergy Compliance Certification

In 2025, Astronergy actively responded to the requirements of the international anti-bribery management standard (ISO 37001) and advanced the anti-bribery management system certification in phases: In June, the Company completed the headquarters surveillance audit to ensure continued validity, while its subsidiary Chint Solar(Haining) Co., Ltd. obtained ISO 37001 certification; In August, Chint Solar Technology(Yancheng) Co., Ltd. obtained the certification; In October, Chint New Energy Technology(Fuyang) Co., Ltd. was successfully certified. As of the end of the Reporting Period, all the Company's core production bases were incorporated into the ISO 37001 anti-bribery management system, extending systematic anti-bribery control from headquarters to frontline manufacturing scenarios and strengthening the group's overall compliance management level.

The Company regards the cultivation of an anti-bribery culture as a crucial part of compliance governance. By regularly conducting special training sessions related to anti-bribery, it enhances the effectiveness of internal supervision, drives continuous improvement in management levels, and provides a solid guarantee for building a clean and efficient operating environment.



CASE Anti-Bribery Internal Audit Standards Training

In 2025, to strengthen the internal control capabilities for anti-bribery at subsidiary manufacturing bases, the Company organized and conducted special training on anti-bribery internal audit standards for key personnel from various departments and internal auditors at the Haining Base, Yancheng Base, and Fuyang Base. The training invited a senior consultant from an internationally authoritative testing agency to deliver lectures, systematically interpreting major global anti-bribery laws, regulations, and regulatory trends. Focusing on high-risk areas such as procurement, sales, and government affairs, the consultant provided in-depth teaching of internal audit processes, methods, and practical skills. This helped trainees master the ability to identify, assess, and report bribery risks, offering key talent support for the Company to build a solid internal control defense against bribery in the complex business environment.

CASE Anti-Bribery Risk Identification and Assessment Training

In 2025, Astronergy simultaneously conducted special training sessions on anti-bribery risk identification and assessment at the Haining Base, Yancheng Base, and Fuyang Base. The training focused on risk assessment tools such as the PDCA cycle and COSO Framework. Through the dissection of typical industry bribery cases and practical drills in high-frequency risk scenarios—including procurement bidding and government affairs—it systematically enhanced trainees' capabilities to identify control deficiencies, assess bribery risk points, and establish dynamic early warning mechanisms within business processes, thereby further strengthening supply chain compliance management and proactive risk prevention capabilities.

CASE Anti-Bribery Lead Auditor Training

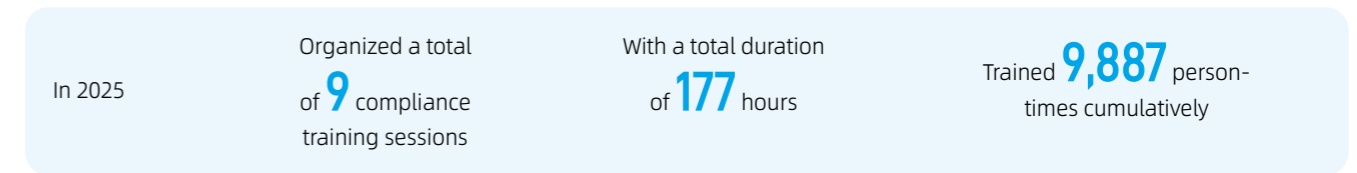
In 2025, Astronergy conducted special training on anti-bribery lead auditor for all members of the compliance team. The content covered full-process auditing skills, including in-depth interpretation of anti-bribery management system standards, audit planning and execution, evidence collection and evaluation, audit report preparation, and follow-up improvement tracking. Through theoretical explanations and simulated audit scenario drills, it effectively strengthened the compliance team's ability to identify systemic compliance vulnerabilities in complex business environments and drive continuous improvement of the system.

Anti-Unfair Competition

The Company strictly adheres to domestic and international laws and regulations on anti-unfair competition and anti-monopoly and has formulated the *Integrity and Compliance Business Conduct Management System*. This system explicitly prohibits illegal acts such as monopoly agreements and abuse of market dominance, requiring all employees and business activities to proactively maintain a healthy market order, and refrain from collaborating with partners in activities that may restrict or distort fair competition. It clarifies fair competition from the perspective of corporate culture and code of conduct, laying a solid compliance foundation for business operations. During the Reporting Period, the Company did not engage in unfair competition acts such as monopolistic practices, false advertising, or commercial defamation, nor were there related lawsuits.

Based on institutional safeguards, we have substantively embedded anti-unfair competition compliance reviews into core business processes. By setting up compliance review stages at key decision-making stages of business approval and using the standardized *Compliance Review Form* to conduct proactive screening and risk assessment of relevant commercial activities, we ensure that business decisions and execution fully comply with competition laws and regulations throughout the process. Additionally, the Company extends compliance requirements to the value chain, implementing systematic management of business partners. Partners are required to read and acknowledge the *Business Partner Due Diligence Questionnaire*, fill out the *Business Partner Integrity and Compliance Undertakings*, and sign the *Business Partner Integrity, Compliance, and Anti-Corruption Commitment Letter*. These documents all explicitly include restrictive clauses on anti-unfair competition, prohibition of commercial bribery, and maintenance of fair market order, aiming to encourage partners to jointly uphold compliance commitments with the Company and build an end-to-end fair competition compliance ecosystem.

To ensure all employees comply with laws and regulations in their daily work, we systematically advance competition law compliance training and publicity through multi-level coverage and multi-channel integration, transforming passive compliance requirements into proactive prevention awareness to ensure stable operations in complex business environments. In 2025, we organized a total of 9 compliance training sessions, with a total duration of 177 hours, and trained 9,887 person-times cumulatively.



Targeted Training

In compliance training for all employees and key positions, specialized content is incorporated, including in-depth interpretation of anti-unfair competition regulations, analysis of typical cases, and practical risk prevention. This strengthens compliance awareness and practical capabilities.

Regular Promotion

Relying on internal digital platforms such as the "Compliance Subscription Account", dynamically track legislative updates, typical enforcement cases, and regulatory trends in the global anti-unfair competition field. Real-time push authoritative interpretations and risk alerts to all employees to comprehensively enhance their compliance acumen and proactive prevention awareness.

Donations and Anti-Money Laundering

The Company has formulated and strictly implemented the *Donation and Sponsorship Management*, which systematically defines full-process management rules and operational procedures for donations and sponsorships at the Company level, preventing compliance risks such as improper benefit transfers and corruption that may arise from donations and sponsorships from the source.

We strictly adhere to anti-money laundering laws and regulations of jurisdictions where we operate. The *Integrity and Compliance Business Conduct Management System* clearly requires employees not to be involved in the receipt, use, or possession of currency or property obtained through criminal activities when conducting company business transactions, ensuring the legality of fund transactions and asset disposal. During the Reporting Period, the Company did not carry out any political donations at the Company level, nor were there any illegal or non-compliant litigation cases or administrative penalty incidents related to money laundering. The effectiveness of compliance management was continuously consolidated.

Integrity Culture

We adhere to the requirements of laws and regulations such as the *Criminal Law of the People's Republic of China* and has established and continuously refined a hierarchical and categorized integrity management training system. The Company targets all employees and personnel in high-risk bribery positions, focusing on strengthening integrity awareness and clarifying consequences of violations. Through methods such as case warnings and scenario simulations, it deepens compliance understanding. For new employee onboarding, adherence to the Company's anti-bribery policies is incorporated into mandatory training content to build a solid ideological foundation for integrity in professional practice from the source.

Meanwhile, relying on regular training mechanisms and internal digital platforms (such as the Compliance Subscription Account), the Company promotes the culture of integrity and honesty and anti-bribery policies to all employees, driving the integration of compliance concepts into daily codes of conduct. During the Reporting Period, the Company achieved 100% coverage rates for business ethics training for all employees, specialized training for senior management, and integrity and compliance training for key partners. The integrity education system thus achieved full coverage of all personnel.



Integrity, Compliance, and Anti-Bribery Training

Integrity, Compliance and Anti-Bribery Training System

Training Theme	Training Target	Training Content
All-Employee Compliance Training	All Employees	Explain risk identification and control measures in key areas such as business ethics, anti-bribery, and anti-corruption.
Anti-Bribery Internal Audit Standards Training	Key personnel and internal auditors from various departments at Haining Base, Yancheng Base, and Fuyang Base	Systematically interpret major global anti-bribery laws, regulations, and regulatory trends; focus on high-risk areas like procurement, sales, and government affairs; and provide in-depth instruction on internal audit processes, methods, and practical skills.
Anti-Bribery Risk Identification and Assessment Training	Key personnel and internal auditors from various departments at Haining Base, Yancheng Base, and Fuyang Base	Enhance trainees' capabilities to identify control deficiencies, assess bribery risk points, and establish early warning mechanisms within business processes.
Anti-Bribery Lead Auditor Training	Compliance Team	Cover full-process auditing skills including anti-bribery management system standards, audit planning and execution, evidence collection and evaluation, audit report preparation, and follow-up improvement tracking.
Business Partner Training	Business Partners	Business partners must complete video learning provided by the Company and sign a compliance commitment before initiating cooperation.

Reporting and Compliance Management

Based on domestic and international laws and regulations, policies, regulatory requirements, and industry development, Astronergy has formulated internal systems such as the *Integrity Compliance Business Conduct Management System*, the *Anti-Bribery Management Manual*, and the *Reporting and Investigation System*. It has established reporting procedures and whistleblower protection mechanisms applicable to all employees, suppliers, customers, and other stakeholders of Astronergy. The Company advocates that all employees and stakeholders proactively report all types of violations that infringe upon the legitimate rights and interests of the Company and its employees. By unblocking feedback channels, standardizing handling procedures, strengthening rigid disciplinary constraints and punishment for violations, it effectively safeguards the legitimate rights and interests of the Company and its employees, and fosters a clean and upright compliance ecosystem.

The Company has established a diversified reporting channel system, which is fully publicized through online-offline collaboration, ensuring that all channels support anonymous reporting mechanisms. Whistleblowers can independently choose suitable communication methods to report relevant matters. After receiving a report, the compliance management department will strictly conduct investigations and subsequent handling in accordance with the *Reporting and Investigation System* to ensure the standardization and confidentiality of report processing.



Dedicated Personnel Reception

The compliance management department assigns dedicated personnel to directly receive reports.

Telephone Reporting

021-6777777-880080

Email Reporting

compliance@chint.com

Online Questionnaire Reporting

Submit via the "Astronergy Compliance Reporting-Online" questionnaire.

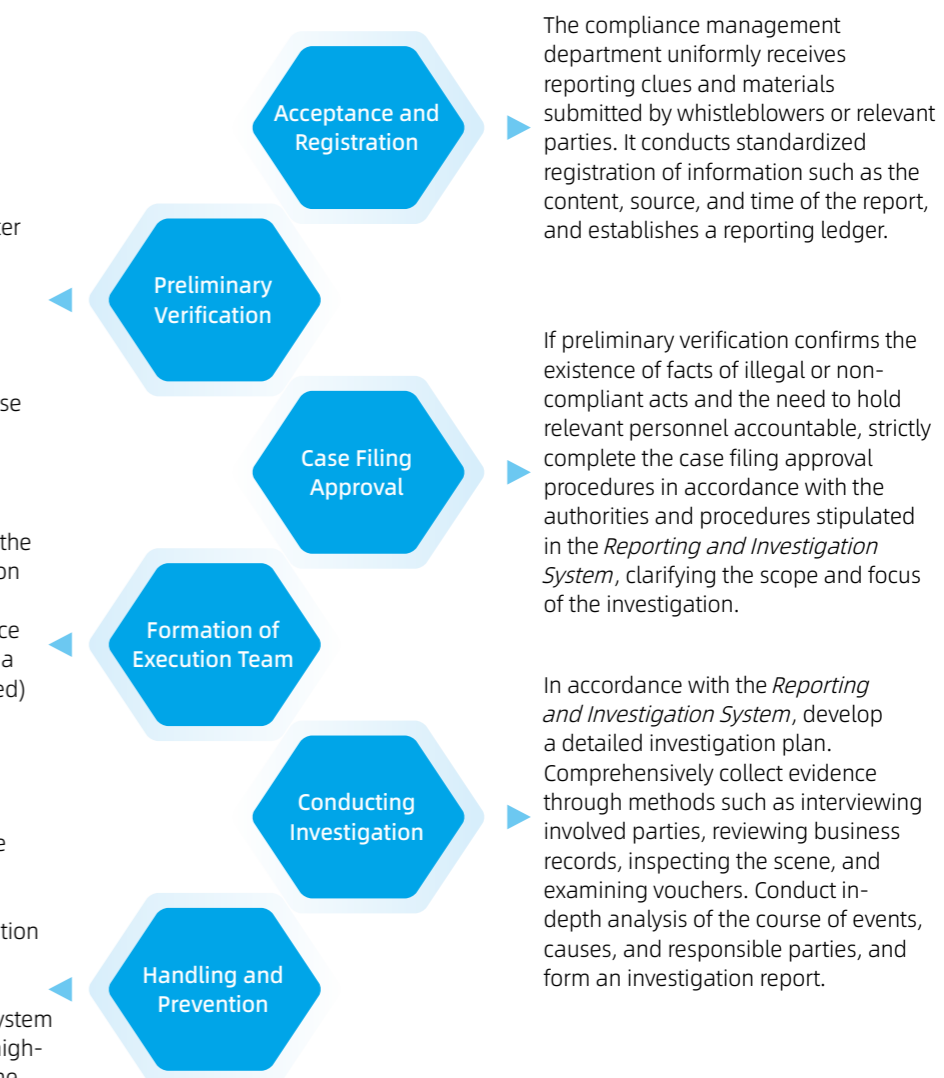
Physical Mailbox Reporting

Compliance reporting mailboxes are set up in various locations within Astronergy.

Conduct a preliminary review of the submitted materials, focusing on determining whether the reported matter falls within the scope of the Company's compliance management (e.g., anti-bribery, anti-corruption) and whether there are basic clues of illegal or non-compliant acts. Based on this, evaluate whether a formal investigation (i.e., "case filing") needs to be initiated.

Based on the nature and complexity of the reported matter, form a special execution team with no fewer than 2 members. Strictly enforce the principle of avoidance (e.g., proactively withdrawing if having a conflict of interest with the party involved) to ensure the independence of the investigation.

Based on the investigation results, issue handling opinions in accordance with regulations (e.g., disciplinary actions against responsible personnel, rectification requirements for non-compliant acts). Simultaneously formulate targeted preventive measures (e.g., improving system loopholes, strengthening control over high-risk links), and providing feedback on the handling results to relevant parties (except for confidential information).



Astronergy Reporting Handling Procedures

Information Security and Privacy Protection

Astronergy places great emphasis on user information security and privacy protection. It systematically establishes an information security management system, deepens the cultivation of an information security culture among all employees, and comprehensively builds a multi-layered defense system to safeguard customer information and privacy from all angles.

Information Security

The Company strictly complies with the laws and regulations of the jurisdictions where it operates, including the *Data Security Law of the People's Republic of China*, the *Personal Information Protection Law of the People's Republic of China*, and the *European Union's General Data Protection Regulation (GDPR)*. Adhering to the information security policy of "Protecting information assets and winning customer trust with secure and reliable services", it has formulated and strictly implemented multiple system regulations and procedural documents such as the *Information Security Management System* and the *Information Security Incident Management Procedure* based on the ISMS (Information Security Management System) framework. Compliance requirements are embedded into all links of business processes, achieving systematic and standardized advancement of information security management work. On this basis, the Company has deepened the cultivation of an information security culture among all employees. Through regular awareness campaigns and scenario-based training, it promotes the internalization of security awareness in mind and externalization in action. During the Reporting Period, no major information security incidents, data breaches, or privacy infringement incidents occurred, effectively safeguarding customer rights and interests.

We continuously advanced the coverage rate of information security management system certification. As of the end of the Reporting Period, all major operating bases of Astronergy (including the Turkey base) have passed the ISO 27001 Information Security Management System certification, achieving full certification coverage. This means that the Company's information security management level has reached internationally recognized standards, providing a solid security guarantee for the steady expansion of global business.

Risk Prevention	Regularly conduct specialized inspections such as server security inspections and system security penetration tests and periodically perform system vulnerability scans. Identify and assess security risks in accordance with the <i>Information Security Risk Assessment Management Measures</i> .
Incident Management	Monitor potential information security incidents in real time. Formulate the <i>Information Security Incident Management Procedure</i> to classify and grade security incidents, and clarify reporting, response, and handling procedures after an incident occurs. After emergency handling concludes, promptly compile an information security incident analysis report, simultaneously develop special rectification measures and promote their implementation. Continuously improve the information security management system and enhance overall risk prevention and control capabilities.
Compliance Governance	Deploy specialized initiatives for data compliance gap analysis, focusing on key weak areas such as cross-border data transmission and user privacy protection to carry out systematic investigations and closed-loop rectifications. Meanwhile, have compliance personnel intervene in advance in key information technology construction projects to provide full-process data compliance guidance and support. Effectively ensure business operations strictly comply with increasingly stringent global data regulatory norms and build a solid defense line for data compliance management.
Awareness Enhancement	Building on incorporating information security education into mandatory training for new employees, annually coordinating the formulation and implementation of information security training plans. Through publicity and communication, conveying the Company's information security policies and management requirements to all employees, ensuring compliance awareness is integrated into the entire process of daily duties.
Violation Penalties	Incorporate the maintenance of information security into the <i>Integrity and Compliance Business Conduct Management System</i> . If an employee violates information security management regulations, the Human Resources Department will strictly impose corresponding performance-related penalties in accordance with the <i>Employee Management Regulations</i> , depending on the severity of the circumstances.

Information Security Management Measures

Data and Privacy Protection

The Company continuously strengthens the full-lifecycle management and security protection of data information and assets, including those of employees, business partners, finance, and business operations, with a focus on critical aspects such as the collection, processing, and cross-border transfer of personal data during operations. It strictly complies with privacy protection laws and regulations of the jurisdictions where it operates, systematically enhances data and privacy protection capabilities, rigorously implements data compliance requirements, and comprehensively safeguards the legitimate rights and interests of all stakeholders.

The Company respects the statutory rights of stakeholders regarding their information, including the right to know, right of access, right to rectification, and right to erasure. When collecting information from suppliers and employees, it clearly informs in advance of the types of information required, processing methods, and intended uses, and provides a written commitment not to share such information with any third party without authorization.

When entrusting a third party to process personal information, we strictly sign a *Data Processing Agreement (DPA)* (provided by the supplier) to clarify the rights, obligations, and liabilities for breach of contract of both parties, ensuring the third-party partner's data processing activities are lawful and compliant. We also strictly fulfill obligations for data export security; when conditions for data cross-border transfer are met, we sign the EU Standard Contractual Clauses (SCCs) to provide sufficient legal protection for cross-border data flows. Additionally, the Company requires employees and third-party partners to sign a *Confidentiality Agreement*, and employees must also sign an *Information Security Commitment Letter* to ensure they strictly abide by the Company's confidentiality rules and systems and fulfill confidentiality obligations during business activities, preventing data or privacy leakage risks from the source.

The Company regularly conducts special training on information security and privacy protection, covering core departments of the group (including Product Technical Service, Legal Affairs, Securities, Sustainability, Sales Operations, Marketing, etc.) and manufacturing bases (Haining Base, Fengyang Base, Technology Research Institute). It focuses on special reinforcement for sensitive departments such as finance and human resources and uniformly provides new employee security training for the entire group and industrial companies. This effectively enhances the information security acumen of all employees, improves privacy protection capabilities, and lays a solid foundation for the Company's data compliance governance and risk prevention and control.



Build Greenness, Build Sustainability

Response Issues

- Response to Climate Change
- Product Lifecycle Management
- Environmental Management System
- Energy Management
- Water Resource Management
- Emissions and Waste Management
- Biodiversity Conservation
- Circular Economy

Astronergy firmly implements the concept of green and sustainable development, committing to promoting harmony between operations and the environment through systematic management practices. The Company strengthens climate-related governance, advances green management throughout the product life cycle, improves resource utilization efficiency, enhances pollution prevention and waste management, and undertakes biodiversity protection efforts, reducing the environmental impact of production and operations. These initiatives contribute professional expertise toward achieving the "Dual Carbon" Goals and advancing ecological civilization.

Respond UN SDGs

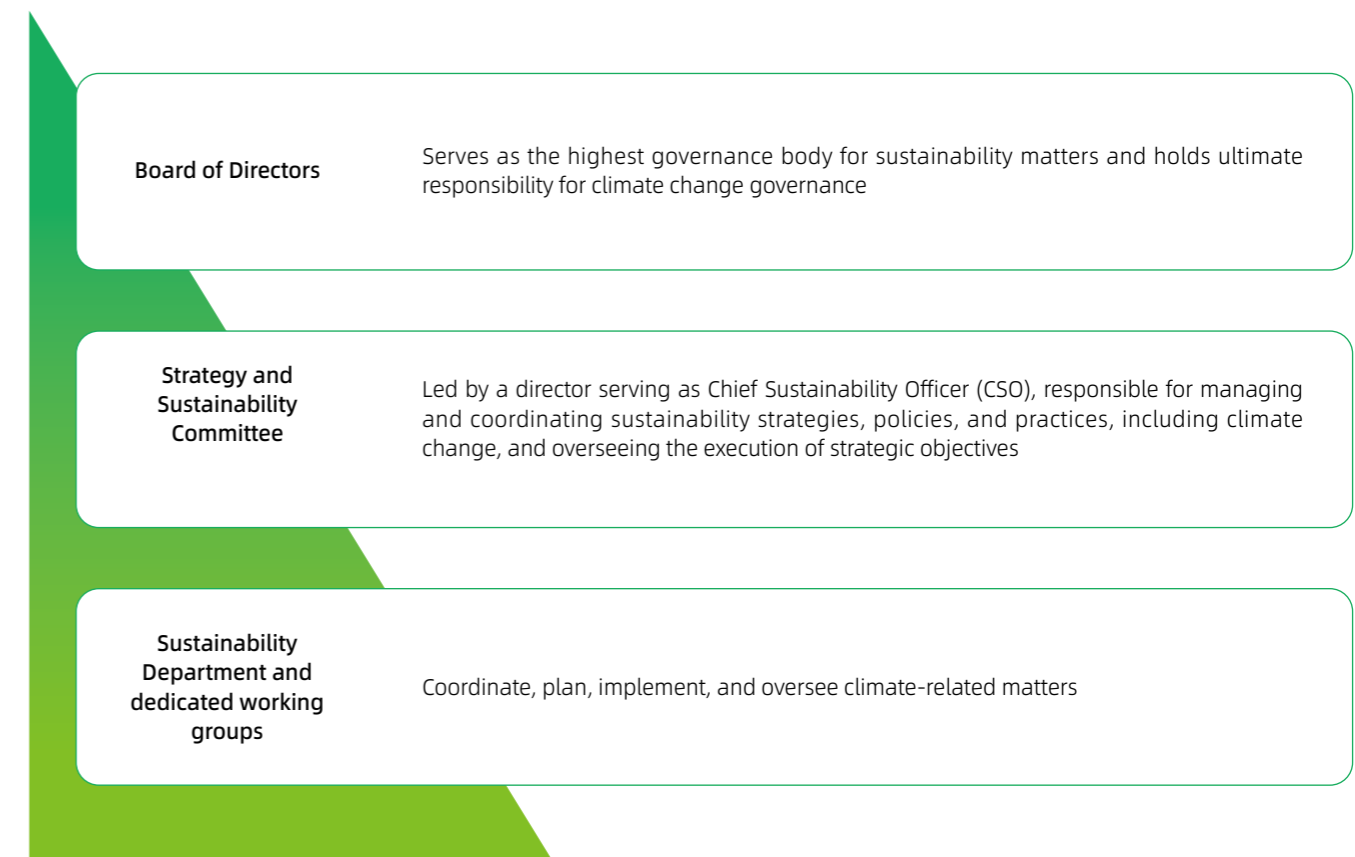


Response to Climate Change

Astronergy addresses the opportunities and challenges brought by global climate change. Committed to the principles of the United Nations Framework Convention on Climate Change (UNFCCC) and aligned with China's "Dual Carbon" goals, we benchmark against international mainstream standards such as the Science Based Targets initiative (SBTi) to establish a systematic climate change governance framework.

Governance

The Company continues to refine the climate change governance structure led by the Board of Directors, clarifying the division of responsibilities at each level regarding climate issues. Through regular risk assessments, target tracking, and performance evaluations, the Company ensures the effective implementation of its climate strategy internally.



Astronergy Climate Governance Structure

Strategy

Astronergy has consistently placed climate response at the core of its sustainable development strategy. Referring to the Task Force on Climate-related Financial Disclosures (TCFD) and the International Sustainability Standards Board (ISSB) climate disclosure framework, the Company conducts in-depth analyses of climate-related physical risks and transition risks. It identifies opportunities in green and low-carbon transformation and develops targeted strategies and action plans to integrate climate change response into overall operations.

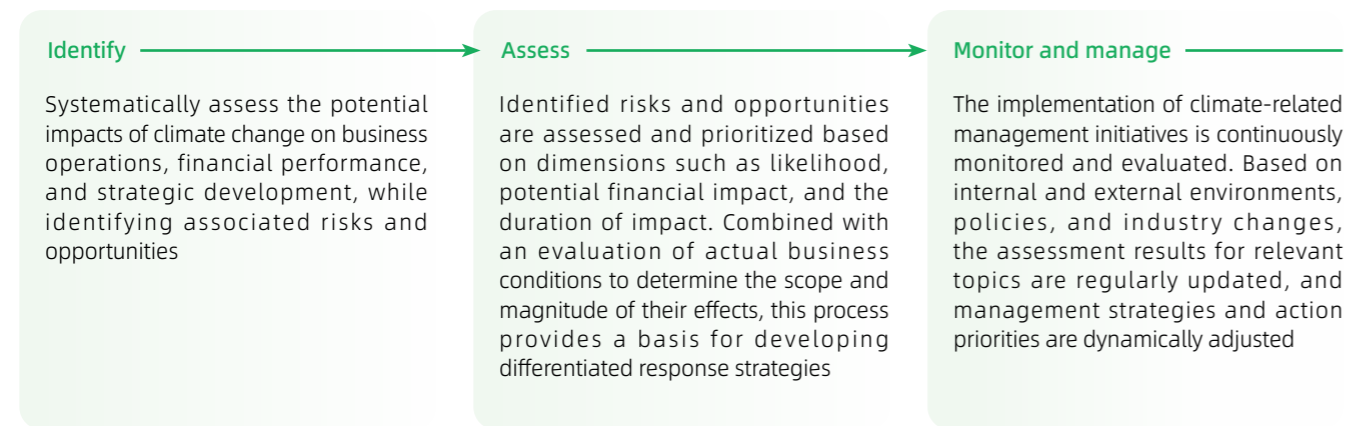
Issue	Sustainability Strategy Targets	2025 Progress
Response to Climate Change	<p>Short-term Targets (by 2028):</p> <ul style="list-style-type: none"> 8 factories achieving zero carbon emissions <p>Medium-term Targets (by 2035):</p> <ul style="list-style-type: none"> Commit to reducing absolute Scope 1 and 2 GHG emissions 58.8% by 2034 from a 2024 base year, and to reducing Scope 3 GHG emissions from purchased goods and services 63.8% per capacity unit of produced within the same timeframe. By 2035, achieve carbon neutrality in operations <p>Long-term Targets (by 2050):</p> <ul style="list-style-type: none"> By 2050, achieve carbon neutrality across entire value chain 	<ul style="list-style-type: none"> 2 factories have achieved zero carbon emissions accumulatively Absolute Scope 1 and 2 GHG emissions decreased by 39.65% compared with the base year 2024. Scope 3 Category 1 GHG emissions from purchased goods and services per unit of product decreased by 6.51% compared with the base year 2024
Product Lifecycle Management	<p>Medium and Long-term Targets (by 2035):</p> <ul style="list-style-type: none"> Conduct full lifecycle assessments for all products on sale 	<ul style="list-style-type: none"> Conduct full lifecycle assessments for all 30 products on sale
Resource Utilization	<p>Medium and Long-term Targets (by 2035):</p> <ul style="list-style-type: none"> 50% reduction on water consumption intensity (taking 2022 as the base year) 	<ul style="list-style-type: none"> 55.53% reduction on water consumption intensity (taking 2022 as the base year)
Emissions and Waste Management	<p>Short-term Targets (by 2028):</p> <ul style="list-style-type: none"> Zero Landfill for Waste 	<ul style="list-style-type: none"> Zero landfill of general waste

Risk/Opportunity	Type	Risk/Opportunity Factor	Potential Impact	Impact Period ⁹	Financial Impact	Response Measures
Physical Risk	Acute Risk	Typhoon	Coastal facilities in Zhejiang, Jiangsu, and other areas may be damaged by typhoons, leading to production interruptions and an increased demand for equipment maintenance	Short-term	Asset impairment, increased maintenance costs	<ul style="list-style-type: none"> Reinforce and renovate the coastal facilities in Zhejiang, Jiangsu, and other areas to withstand strong winds Establish emergency response plans for typhoons and floods, and stockpile emergency supplies
		Flooding	The coastal factory buildings may be damaged by flooding, leading to production interruptions and an increased demand for equipment maintenance	Short-term	Asset impairment, increased maintenance costs	<ul style="list-style-type: none"> Fully consider Climate factors when establishing or expanding new facilities Establish an emergency plan for flooding and purchase property insurance and business interruption insurance for facilities
		Heavy rainfall	Facilities in the Yangtze River Delta and coastal areas may be affected by frequent heavy rainfall, resulting in inventory losses and risks of supply chain disruptions	Short-term	Inventory scrapping, increased logistics costs	<ul style="list-style-type: none"> Upgrade flood prevention facilities and optimize the ground elevation at facilities in the Yangtze River Delta and coastal regions
		Low-temperature frost damage	At northern manufacturing bases such as Songyuan Base, Jiuquan Base, and Yancheng Base, extreme winter temperatures may cause damage to water supply pipelines, resulting in water supply interruptions	Short-term	Asset impairment, increased maintenance costs	<ul style="list-style-type: none"> Implement winter insulation and reinforcement for water supply pipelines at northern bases Strengthen pipeline inspections and spare parts inventory Conduct regular emergency drills for water supply interruptions to enhance operational resilience under extreme temperatures
	Chronic risk	Water resource shortage	The water supply for production in some manufacturing bases in Gansu, Zhejiang, and other areas is restricted, which may affect production capacity stability and operational efficiency	Long-term	Increased operating costs, decreased capacity utilization	<ul style="list-style-type: none"> Carry out special water-saving technical transformation projects, circulating water system transformation, rainwater collection and water-saving technology application
Transition Risk	Policy and regulatory risk	Carbon market mechanism	Implementation of the EU Carbon Border Adjustment Mechanism (CBAM) and national carbon footprint regulations may increase export compliance costs; countries raise low-carbon product entry thresholds, which may gradually increase operating costs	Medium-term	Decreased export competitiveness, increased compliance and operating costs	<ul style="list-style-type: none"> Conduct product life cycle assessments and improve global carbon footprint certification layout Improve supply chain carbon footprint tracking system construction, and empower energy saving and carbon reduction in the upstream value chain Implement clean production and increase the proportion of self-generated and self-used PV power
		Changes in climate policies and regulations	Climate-related laws, regulations, and green standards in global and major markets continue to evolve, with regulatory requirements becoming increasingly differentiated. Non-compliance with climate-related disclosure requirements may affect product market access	Medium-term	Decreased export competitiveness, increased compliance and operating costs	<ul style="list-style-type: none"> Closely monitor climate regulations and green standards in China and overseas markets Actively obtain product carbon footprint certificates Establish cross-functional coordination mechanisms to implement regulatory requirements
		Higher standards for production water consumption	Policies in China and overseas markets, such as the <i>Conditions for Standardization of Photovoltaic Manufacturing Industry</i> , are imposing more stringent requirements on water consumption per unit of product, raising the water-saving threshold for new construction and expansion projects	Long-term	Increased operating costs, decreased capacity utilization	<ul style="list-style-type: none"> Incorporate water-saving design into new construction and expansion projects Reduce water consumption per unit of product through water-saving equipment and process optimization
	Technical risk	Technology iteration competition	With rapid industry technology updates and iterations, if Astronergy fails to maintain technological leadership, it may fall behind industry competitors	Medium-term	Asset impairment, increased R&D investment	<ul style="list-style-type: none"> Maintain leadership in n-type TOP-Con technology, while reserving and developing leading technologies Deepen industry-academia-research cooperation, and continuously launching products with higher efficiency and diverse application scenarios Optimize processes to reduce costs and energy consumption Establish a technology roadmap to assess the market potential, maturity, and returns of different pathways, diversify investment, and accelerate the transition to mass production Strengthen intellectual property deployment and protection to reduce technology-related risks
	Market risk	Increased trade barriers	Possible impact on export revenue due to additional tariffs and anti-dumping investigations in European and American markets, and export share restrictions from localized production policies in emerging markets	Medium-term	Decreased export revenue, increased costs of localized factory construction	<ul style="list-style-type: none"> Accelerate capacity layout in South-east Asia/Middle East, strengthen overseas supply chain and localized cooperation
		Increased raw material costs	Climate change may affect the stability of upstream raw material supply and increase costs	Medium-term	Increased operating costs	<ul style="list-style-type: none"> Incorporate environmental and climate factors into supplier admission and ongoing oversight Continuously identify, assess, and manage climate-related risks associated with raw material supply and pricing
	Reputation risk	Stakeholder expectations	Investors, customers and the public are raising their expectations for ESG management and transparency. Failure to effectively respond to these expectations may impact brand value and financing capabilities.	Medium-term	Increased financing costs, decreased revenues due to lost orders	<ul style="list-style-type: none"> Conduct stakeholder surveys on an irregular annual basis, expand survey channels, strengthen company ESG management Establish standardized data collection and disclosure mechanisms, publish annual Sustainability reports with third-party verification Join initiatives such as the SBTi, the <i>UN Global Compact's Forward Faster</i>, SSI, and CCCA to align decarbonization actions with higher standards
Transition opportunity	Policy opportunity	Coordinated development of solar energy and energy storage	Demand for new power systems drives PV-storage integration projects, enhancing grid stability and electricity price returns	Long-term	Diversified revenue, enhanced project premium capability	<ul style="list-style-type: none"> Research and development of grid-forming energy storage technology, cooperation with grid companies to develop peak shaving projects
		Accelerating energy transition	The global energy structure is shifting toward clean energy, driving sustained growth in renewable energy demand.	Medium-term	Revenue growth, market share expansion	<ul style="list-style-type: none"> Establish local entities in key markets such as Germany, Spain, the United States, and Japan to directly address market demand
	Market Opportunity	Expansion in emerging markets	Photovoltaic demand is booming in the Middle East and Africa, policy support for low-carbon energy transformation and resource endowment advantages in new markets will increase business volume and market opportunities	Long-term	Revenue growth, market share expansion	<ul style="list-style-type: none"> Strengthening localized supply chain construction, collaborating with local governments to develop integrated energy projects
		Increased demand for green and low-carbon products	In certain markets, low-carbon products are prioritized in tendering processes, further strengthening the competitiveness of companies with low-carbon advantages	Long-term	Revenue growth, market share expansion	<ul style="list-style-type: none"> Continuously advance product carbon footprint management and certification Conduct innovation and technical R&D on green materials such as steel frames and composite frames to reduce product lifecycle carbon emissions
	Technological opportunity	Smart manufacturing Upgrading	Application of AI and digital twin technology to reduce production costs, improve module yield and production flexibility	Medium-term	Cost reduction, improved production efficiency	<ul style="list-style-type: none"> Implement smart factory transformation and deploy AI-powered quality inspection systems.

⁹ The definitions for short-term, medium-term, and long-term are established as follows: short-term is 1-3 years, medium-term is 3-5 years, and long-term is over 5 years.

Impacts, Risks and Opportunities Management

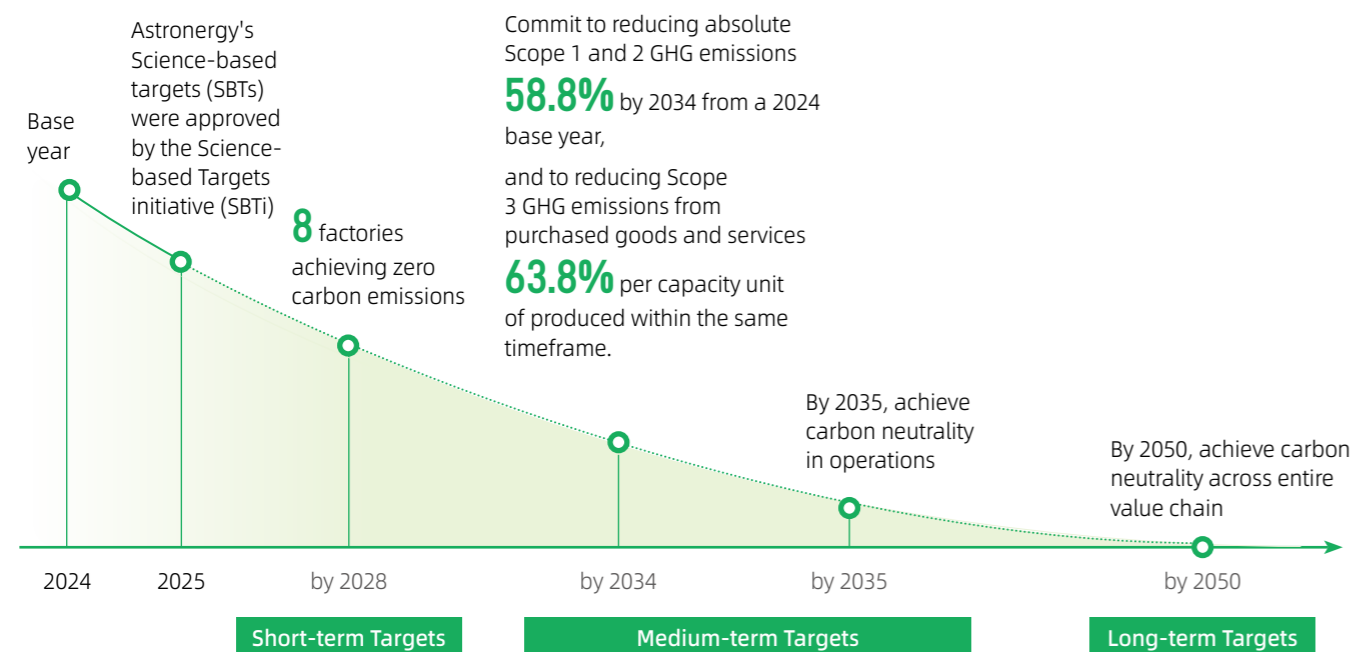
Leveraging the characteristics of the PV industry and technology iteration trends, the Company has identified and assessed physical risks, transformation risks, and potential opportunities arising from climate change. It regularly reviews the implementation effectiveness of response measures, continuously optimizes management measures and action pathways, and enhances operational resilience.



Climate Change Risk and Opportunity Management Process

Indicators and Targets

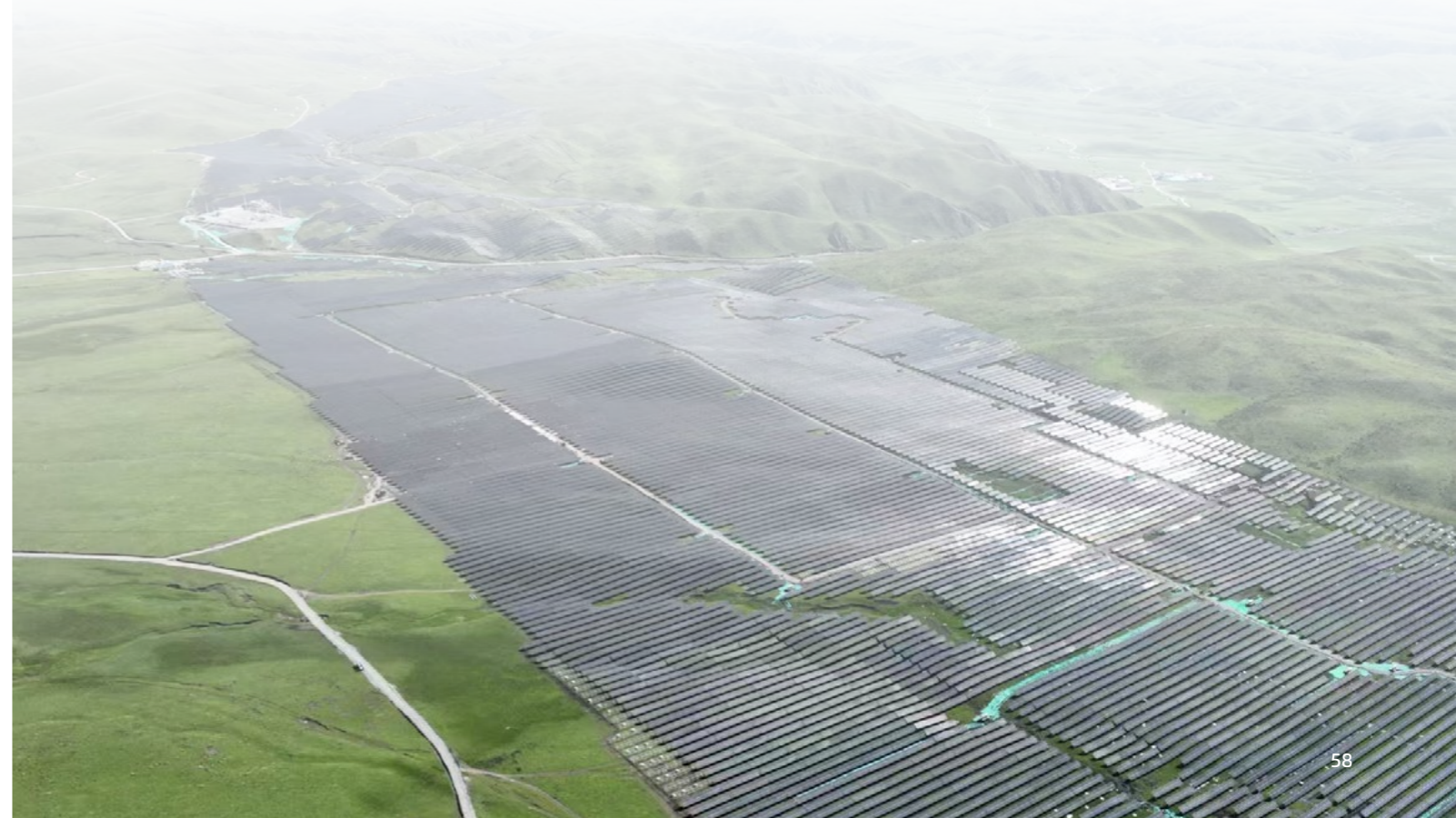
Astronergy has established a comprehensive GHG (greenhouse gases) management system and formulated phased low-carbon targets based on operational realities to promote low-carbon transformation. During the reporting period, the Company's Science-based targets (SBTs) were approved by the Science-based Targets initiative (SBTi), signifying that the Company's emission reduction pathway aligns with the 1.5°C temperature control goal and provides an ambitious yet feasible action path for value chain decarbonization. To ensure the effective implementation of climate targets, the Company has established a cross-departmental carbon reduction working group to strengthen interdepartmental collaboration and process management, thereby coordinating the implementation of emission reduction targets and related measures.



The Company has established and implemented the *Management System for Identification of GHG Emission Source Identification, Data Collection and Quality Management Procedure* to standardize management processes including emission source identification, data collection and calculation, inventory and report preparation, as well as internal and external audits. This ensures the scientific rigor and accuracy of data management. Furthermore, greenhouse gas verification is conducted annually at all production sites, with third-party institutions engaged for data verification. In April 2026, the Company obtained the 2025 ISO 14064 Greenhouse Gas (GHG) Verification Statement issued by LRQA (Shanghai) Co. Ltd.

Performance in GHG Emissions Management

Indicator	Unit	2025
Scope 1 GHG emissions	Ten Thousand tCO ₂ e	0.28
Scope 2 GHG emission	Ten Thousand tCO ₂ e	102.49
Scope 3 GHG emissions	Ten Thousand tCO ₂ e	1,720.98
Scope 3 upstream GHG emissions	Ten Thousand tCO ₂ e	1,673.61
Scope 3 downstream GHG emissions	Ten Thousand tCO ₂ e	47.37



Product Lifecycle Management

Astronergy integrates green and environmental protection concepts throughout the product lifecycle. By implementing green design, optimizing production processes, utilizing eco-friendly materials, implementing low-carbon logistics, and establishing a comprehensive recycling mechanism, the Company reduces the environmental impact at each stage of the product's life, achieving synergistic development of economic and ecological benefits.

Governance

Guided by the circular economy, the Company fully integrates sustainable development principles into every stage of the product lifecycle, including product R&D and design, raw material procurement, production and manufacturing, logistics and transportation, product use, and recycling and disposal. To ensure the effective implementation of related work, the Company has established a three-tier management system of "strategic decision-making - departmental coordination - position-based execution", clearly defining responsibilities and collaboration mechanisms at each level. It has also formulated the *Product Life Cycle Management* to promote standardized and systematic product life cycle management.



Strategy

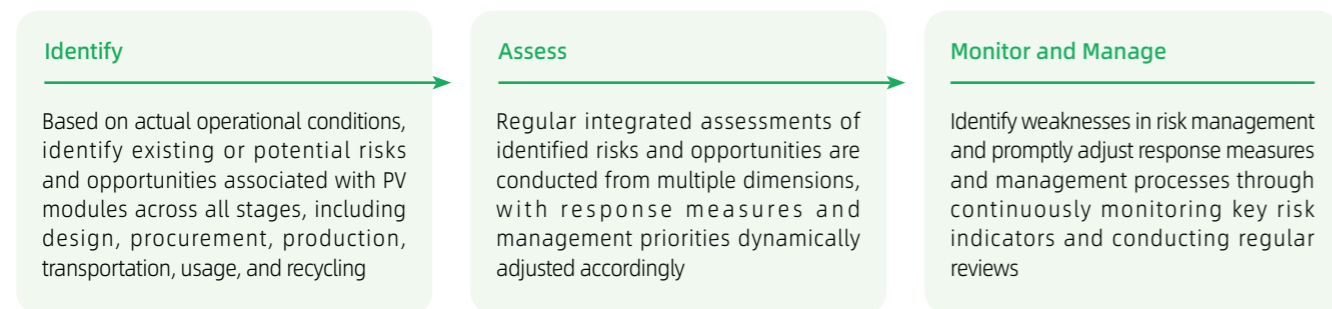
Astronergy systematically identifies potential risks encountered at each stage of the product life cycle and simultaneously explores relevant development opportunities. By integrating risk control and opportunity transformation into its strategy and operations, the Company builds a more resilient product management system.

Risk / Opportunity	Risk/Opportunity Description	Impact Period ¹⁰	Financial Impact	Response Measures
Risk				
Policy and Compliance Risk	As domestic and international regulations on hazardous substances control, product carbon footprint, and recycling continue to evolve, failure to comply with requirements such as REACH and RoHS in areas including chemical management, hazardous substance restrictions, and related compliance practices may result in restricted market access and non-compliance penalties	Short-term, Medium-term, Long-term	Increased compliance costs	<ul style="list-style-type: none"> Establish and regularly update lists of chemicals and hazardous chemicals, and strictly implement the <i>Chemical Management Procedure</i> Carry out compliance testing for REACH, RoHS, and other applicable regulations to proactively identify and replace high-risk materials Strengthen hazardous chemical management to reduce environmental and safety incident risks
	As PV modules gradually enter a concentrated end-of-life phase, failure to proactively establish recycling and reuse systems could expose the Company to potential regulatory liabilities and cost pressures	Medium-term, Long-term	Increased compliance costs	<ul style="list-style-type: none"> Continuously track policy requirements related to PV module recycling Cooperate with professional recycling enterprises and universities to explore pathways for module dismantling, material recovery, and reuse Incorporate green design concepts during the design phase
Opportunities				
Recycling Technology Opportunities	Through the classified recycling and efficient reuse of process waste, defective products, and future end-of-life modules, the Company can reduce raw material consumption and waste disposal costs	Medium-term, Long-term	Reduced operating costs	<ul style="list-style-type: none"> Enhance processes for the classification and collection of process waste and defective products, inventory management, and internal reuse Monitor the recycling ratio of various materials through metering and statistical systems, and set annual improvement targets Develop module dismantling technologies and reuse pathways

¹⁰ The definitions for short-term, medium-term, and long-term are established as follows: short-term is 1-3 years, medium-term is 3-5 years, and long-term is over 5 years.

Impacts, Risks and Opportunities Management

Astronergy integrates product lifecycle management into its entire production and operation process. By combining internal and external policy changes with business operations, it identifies, assesses, monitors, and manages risks and opportunities across all stages of PV modules. The results are incorporated into business decision-making and the risk management system to continuously enhance the level of risk and opportunity management capabilities.



Green Design

Astronergy integrates green design concepts throughout the entire process of photovoltaic module research and development and design. Guided by principles of recyclability, circularity, and low environmental impact, the Company continuously enhances the green attributes of its products. The Company has formulated and implemented institutions such as the *Management of New Product Design, Development, and Introduction for Green Building Material Photovoltaic Modules* and the *Green Product Identification, Evaluation, and Control Procedures*, embedding low-carbon, green, and environmental protection requirements into product research and development and design processes. During product design phase, the Company prioritizes the use of environmentally friendly raw materials that are high-performance, long-lasting, low-pollution and recyclable, based on application scenarios and usage needs. This helps reduce emissions of hazardous substances such as fluorides and oximes and mitigates the environmental impacts caused by product manufacturing and recycling on water, land and other aspects of the environment. During the reporting period, the Company achieved a total material saving of 5,877.82 tons through green design optimization, resulting in an approximate reduction of 59,517.49 tCO_{2e}.



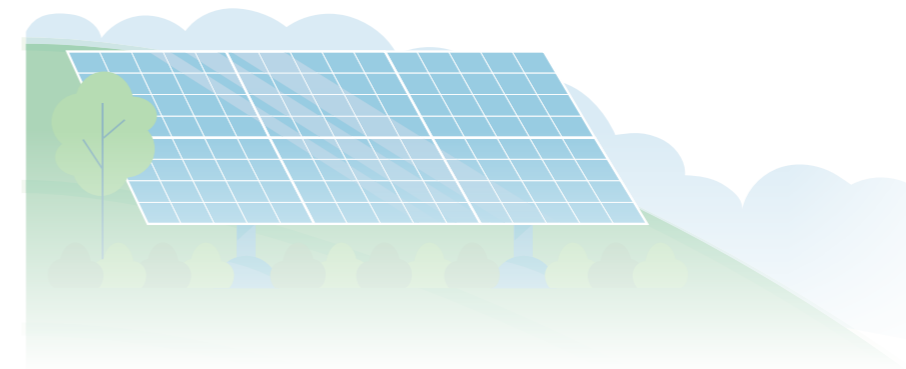
Green Measures at the Product Design Stage

Materials Saved Through Green Design

Indicator	Unit	2024	2025
Total silver paste savings	tons	24.80	1.10 ¹¹
Total solar film savings	tons	4,435.00	3,085.38
Total flux savings	tons	80.39	105.59
Total aluminum material savings	tons	2,122.00	1005.75
Total silicone material savings	tons	127.00	1,680.00
Ratio of recycled glass used	%	10-15	10-15

¹¹ The silver paste savings in 2025 decreased compared to 2024. This was mainly due to the introduction of the ZBB technology in 2024, which achieved more substantial savings, while efforts in 2025 focused on continued process optimization based on that technology.

During the reporting period, Astronergy renewed and obtained the "Three-Star China Green Building Materials Product Certification" issued by CTC National Inspection Group. This certification covers 51 products and demonstrates that the Company's green product system and green design management level have reached a relatively high standard.



China Green Building Materials Product Certification

CASE Green Product Design

ASTRO N series Anti-Dust PV Modules

The Anti Dust PV Modules from the ASTRO N series adopts a thin short-frame A design, enabling dynamic self-cleaning through natural rainfall in low-tilt-angle scenarios, thereby reducing dust accumulation and power generation losses. The product requires no additional drainage clips during installation, reducing material consumption. During the operations and maintenance phase, it lowers cleaning frequency, water consumption, and hot spots risk, extending the service life of the modules. Compared to conventional modules, its average power generation per watt increased by 2.59%, enhancing green benefits over the entire lifecycle of the power station while improving generation efficiency



Pavo's Tail BIPV

The Pavo's Tail BIPV PV Tile is suitable for building integrated photovoltaics (BIPV) scenarios. The product can directly replace traditional roof tiles, delivering clean power generation while meeting building functional requirements. Its inaugural project generates over 8,900 kWh of electricity annually, equivalent to saving 3.6 tons of standard coal and reducing carbon dioxide emissions by 4.2 tons, thereby providing effective support for the green and low-carbon transformation in the building sector.



ASTRO N
CHSM09Ns(DG)(BLH)/F-BH
双面系列
65~75W

Green Production

Astronergy integrates green concepts into product manufacturing, strictly complies with domestic and international regulations such as the EU RoHS and REACH directives, revises the *Chemical Management Procedure*, establishes a dynamically updated chemical inventory, and implements systematic control over the storage and labeling of hazardous chemicals. During the reporting period, all mainstream products passed REACH and RoHS compliance tests, aligning with requirements of major international markets to ensure access to global markets.



REACH Test Report



RoHS Test Report

During the production process, the Company adheres to the principles of "reduction, resource utilization, and harmless treatment", strengthening the full-process management of process waste, defective products, and recyclable materials. The Company has established a product traceability and inquiry system under which all modules carry a unique barcode, enabling the retrieval of model specifications, quality grades, and material usage information via the official website or the Manufacturing Execution System (MES).

Module	Management Object	Key Practices
Process waste treatment	Process waste generated during production	Classify and collect waste and establish a waste inventory management system; Collaborate with professional recycling enterprises
Defective product treatment	Defective cells	Conduct graded treatment based on defect type: Rework and reuse items with minor defects; Dismantle severely defective items to recover usable parts, and dispose of non-recyclable portions in accordance with hazardous waste standards
Recycling ratio monitoring	Various recyclables and related waste	Install recycling and metering devices in production processes and regularly track material recycling rates; Conduct cross-departmental analysis and continuous improvement for processes that fail to meet recycling ratio targets

Green management measures during the product production phase

Leveraging its digitalized and refined management foundation, the Company continues to advance green factory and zero-carbon factory development, steadily improving the environmental performance of manufacturing. As of the end of the reporting period, five production bases of Astronergy have been honored with the title of National, Provincial or Municipal level Green Factories. Yancheng Base (Phase I) and Jiuquan Base have been certified as Zero-Carbon Factories. These serve as a reference model for the Company's overall low-carbon and green transformation in production and operations.

CASE Excellence-Level Smart Factory

Astronergy's Excellence-Level Smart Factory, as the world's first "PV Manufacturing + Internet" transparent factory, integrates capabilities including smart equipment, digital systems, supply chain collaboration, and "AI+" applications. It has established a smart manufacturing system covering R&D, production, logistics, operations, and services, continuously strengthening its competitive advantage in smart manufacturing.

Digital Innovation	Intelligent Innovation	Innovation in Models	"AI+" Applications
Deployed over 20 industrial software systems and established a data middle platform. Introduced the Advanced Planning and Scheduling (APS) system and a supply chain collaboration platform to integrate data and business processes across the entire value chain—from R&D and production to warehousing, logistics, sales, and after-sales services—forming a digital operation and management system driven by both data and models.	Integrating Internet technologies, smart logistics equipment, and AI-driven inspection capabilities to achieve real-time monitoring of production processes, automated material delivery, and high-precision quality assurance across all critical process stages.	Leveraging digital warehousing and logistics, procurement control, and a global intelligent operations and maintenance service system to enhance supply chain collaborative efficiency and service capabilities, achieving vertical integration across the entire industry chain.	Applying AI technology across multiple scenarios including management, service, equipment maintenance, quality inspection, and intelligent operations and maintenance (O&M), while continuously expanding the boundaries of intelligent applications.



Green Logistics

Astronergy is committed to building a green and low-carbon logistics system by optimizing transportation structures and promoting circular packaging to reduce environmental impacts across product circulation. In transportation phase, the Company optimized logistics pathways and network layouts to increase the proportion of low-carbon transport modes, such as rail and waterway shipping, within the overall transport structure, thereby reducing carbon emissions per unit of product during the transportation process. Meanwhile, the Company piloted the application of new energy transport vehicles in select regions to gradually reduce reliance on traditional fuel-based transportation and explore the scaled implementation of green logistics models. As of the end of the reporting period, the forklifts used for the internal transfer of modules have achieved 100% electric vehicle replacement, and the proportion of multimodal transport cabinets achieved 73.75%, representing a year-on-year increase of 3.73 %.

To enhance resource efficiency in the packaging process, the Company continues to advance the green substitution and circular reuse of packaging materials. The Company replaced traditional wooden pallets with iron pallets and recovered packaging auxiliary materials such as liners and sleeves to enable multiple cycles of material reuse, thereby reducing the consumption of virgin wood and other single-use materials. During the reporting period, the Company further introduced recyclable molded eco-friendly pallets made from scrap materials to gradually replace disposable wooden packaging. The Company plans to fully roll out this initiative at its major production bases by 2026 to reduce the consumption of disposable wooden packaging and minimize associated waste generation.

Green Recycling and Reuse

Astronergy places high value on the resource recovery of end-of-life PV modules and is committed to establishing a closed-loop lifecycle management system covering recycling, dismantling, and material regeneration. The Company strictly complies with relevant regulations, including the EU's Waste Electrical and Electronic Equipment (WEEE) Directive. During the reporting period, Astronergy completed WEEE compliance registration in 11 major European countries, including France and Italy, providing assurance for product recycling, disposal, and compliant operations in international markets.

At the industry collaboration and international cooperation level, Astronergy leverages its industry influence by serving as a vice-chairman unit of the Recycle Industry Development Center of the PV Committee of China Green Supply Chain Alliance (China ECOPEV Alliance). The Company actively contributes to coordinated industry development and supports the continuous enhancement of recycling standards. During the reporting period, Astronergy further deepened its partnership with PV CYCLE, a leading international PV recycling provider, and obtained PV CYCLE global certificate. Through close collaboration with internationally recognized partners, the Company continues to explore practical pathways for the recycling and circular use of end-of-life photovoltaic products, supporting the PV industry's transition toward greener, more circular, and higher-quality development.



PV CYCLE Certification

The Company continues to refine its component recycling network by collaborating with international recycling service providers and relevant professional institutions to promote the standardized recycling of end-of-life modules and their resource utilization. Recycled modules will be evaluated based on appearance, performance, and material composition. Refurbishable and reusable modules are utilized in scenarios such as off-grid photovoltaic power generation systems. Modules that cannot be reused are disassembled and sorted for recycling and regeneration processing by specialized recovery enterprises. The Company has established a dedicated product recycling task force to refine the recycling systems, advance technical development, and continuously monitor recycling outcomes, thereby promoting the standardization and closed-loop construction of the recycling system. As of the end of the reporting period, the recoverability rate of Astronergy's module products reached **100%**, with a recyclability rate of 92%, and the remaining 8% can be recycled for energy through physical methods; among them, the recyclability rates of aluminum frames, glass, and junction boxes reached **100%**, the recyclability rate of cell reached 95%, and the recyclability rate of PV ribbon reached 80%.

CASE Fengyang Base Cell Packaging Material Recycling and Reuse Project

After cells are transported to the module factory, the Fengyang Base collects and returns all dismantled transport packaging materials to the cell factory for reuse. These materials are retired only when they become damaged and no longer meet standards. Additionally, Fengyang, Yiwu, Haining, Yueqing, and Yancheng Base collect discarded wooden pallets in line with procurement requirements to achieve resource reuse.



Furthermore, the Company continues to strengthen standards development and technical research related to PV recycling, carrying out cooperation with multiple universities on physical dismantling research for PV modules to advance breakthroughs and applications in recycling technology. During the reporting period, the industry standard *WM/T 19-2025 Low carbon evaluation requirements for photovoltaic module export products*, which was compiled by the Company, was officially released. This further enhances the Company's capacity for industry collaboration in low-carbon evaluation and green recycling of PV products.

Indicators and Targets

Astronergy continues to improve its target system for product lifecycle management, using targets to guide the orderly advancement of related work and continuously enhancing product lifecycle management.

Astronergy Product Lifecycle Management Targets

Medium to Long-term Targets (by 2035)

Conduct full lifecycle assessments for all products on sale

To support the implementation of its goals, Astronergy continues to refine its product lifecycle certification framework, thereby enhancing the transparency of environmental information across the product lifecycle and strengthening international market recognition. As of the end of the reporting period, the Company has obtained carbon footprint certifications and Environmental Product Declaration (EPD) certifications in multiple countries, including China, France, Germany, the United States, Italy, Norway, Denmark, and Sweden. The certified products recorded a carbon footprint per unit approximately 15% lower than the industry average.

Valid Carbon Footprint Certification

108

French Carbon Footprint Certification

39

EPD Certification

26

ISO 14067 Carbon Footprint Certification

43

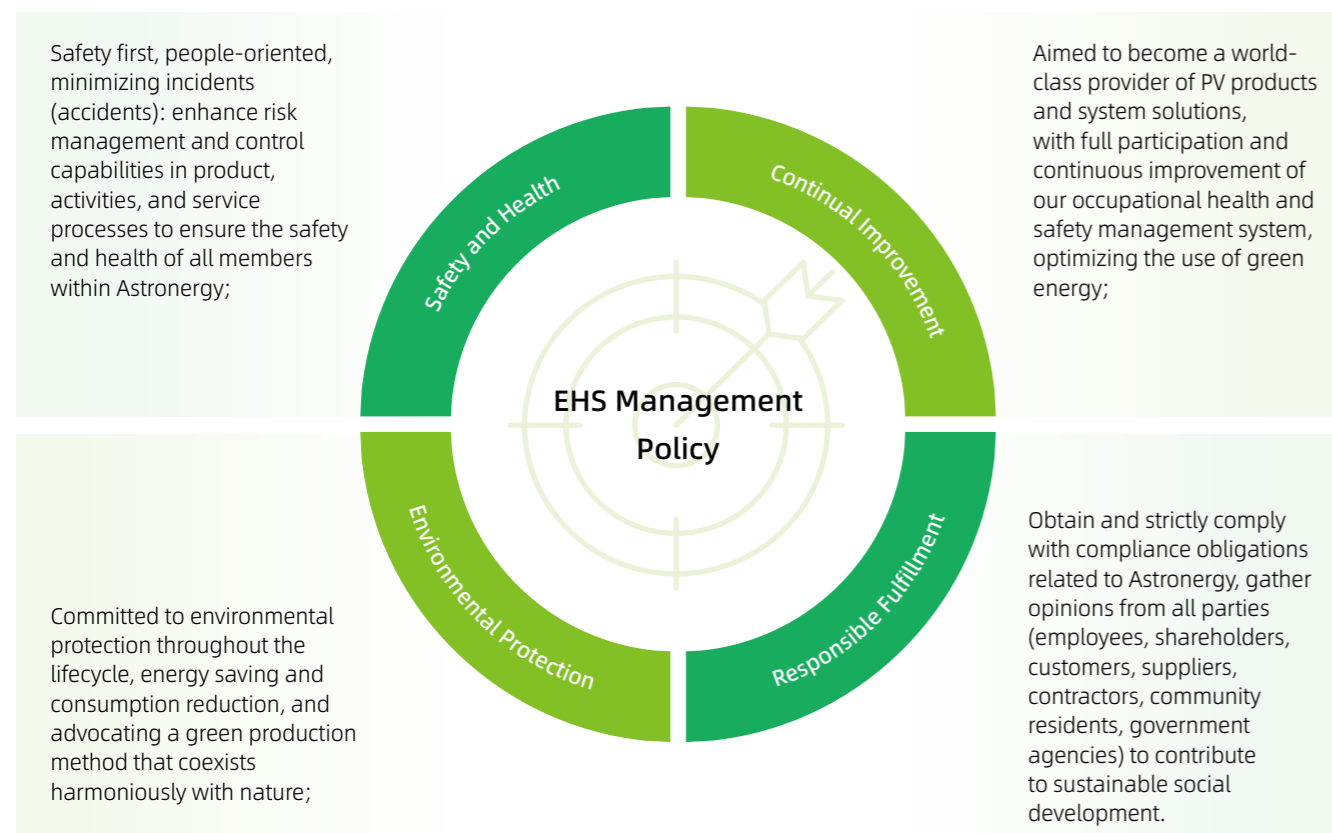
Environmental Management System

Astronergy integrates environmental protection throughout its operations. By improving management systems, clarifying environmental responsibilities at each level, strengthening environmental factor control, and carrying out training and communication, the Company continues to enhance its environmental management and advance green development.

Management Structure and Policies

The Company strictly complies with laws and regulations including the *Law of the People's Republic of China on Environmental Impact Assessment* and the *Cleaner Production Promotion Law of the People's Republic of China*, and has formulated internal rules such as the *EHS Management Manual*, the *Environmental Aspect Identification and Evaluation Procedure* and the *Interested Party EHS Management Procedure* to systematically standardize EHS management requirements for employees and partners, extending responsibility across all operational stages. The Company has established a comprehensive environmental management system under which the highest management level of the Company assumes overall responsibility for environmental management, heads at each level bear primary environmental management responsibility within their respective scope. Relevant management and technical personnel, along with all employees, jointly implement environmental management requirements in accordance with their defined roles and responsibilities.

Guided by its EHS management policy, the Company continues to strengthen integrated management of safety, environment and occupational health. Through the signing of EHS responsibility agreements, it has further decomposed environmental protection and safety responsibilities across all organizational levels. During the reporting period, the signing rate of employee EHS responsibility agreements reached **100%**.



To strengthen the management of environmental aspects associated with operational activities, the Company has established a mechanism for identifying and evaluating environmental aspects across the entire lifecycle. This mechanism systematically identifies controllable or influenceable environmental aspects within activities, products, and services. For significant environmental factors, the Company formulates and implements corresponding control measures to prevent environmental pollution. As of the end of the reporting period, a total of 12 entities, including Astronergy and its subsidiaries, have successfully obtained ISO 14001 environmental management system certification, achieving a coverage rate of **100%**, with no environmental incidents or violations occurred.

Environmental Training and Communication

To continuously improve the effectiveness of environmental management, the Company conducts external community engagement to promote stakeholder participation and internal environmental training to raise employee environmental awareness, thereby embedding environmental management requirements into daily operations.

CASE Community Questionnaire Activity for World Environment Day

To further enhance environmental management measures, Astronergy conducted a community survey on June 5, World Environment Day, collecting opinions and suggestions from 158 nearby residents regarding the Company's environmental management. Based on community feedback, the Company continues to adjust and optimize existing environmental management measures to further enhance their relevance and effectiveness.

Environmental Action

Astronergy consistently embeds environmental protection principles into its operations and encourages employees to participate in green practices through innovative initiatives, thereby fostering more sustainable ways of working and living.

CASE Low-Carbon Life Platform

To enhance employees' recognition and participation in green and low-carbon concepts, we have established the "Low-Carbon Life Platform", promoting low-carbon behaviors in daily work and life. Through this platform, employees can manage their personal carbon accounts, record and share green and low-carbon actions, earn carbon points, and redeem recycled and environmentally friendly items such as coffee-ground cups and eco-friendly bags, thereby translating environmental concepts into concrete actions. During the reporting period, the platform recorded 30,091 participations, a 27% increase compared with 2024, reflecting stronger low-carbon awareness among employees and the solid progress of the Company's green initiatives.

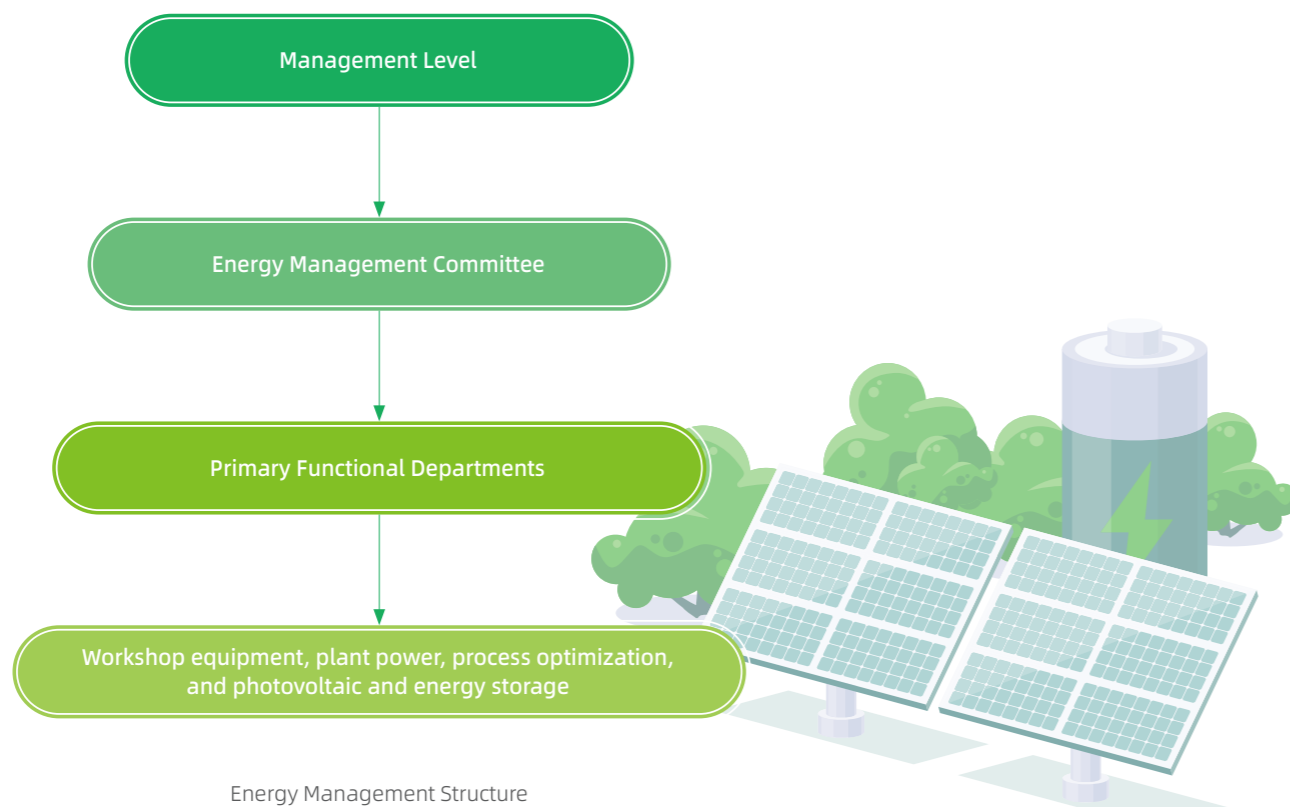
Resource Utilization

Astronergy is committed to green development, focusing on the rational acquisition and efficient use of energy and water resources, and continuously advancing the resource management system. We continuously optimize resource allocation and utilization during operations through management enhancements, technological innovation, and energy- and water-saving retrofits to reduce resource consumption in production and operations, thereby promoting the synergistic improvement of environmental and economic benefits.

Energy Management

Governance

The Company strictly adheres to the *Energy Law of the People's Republic of China* and the *Renewable Energy Law of the People's Republic of China*, establishing a three-tier energy management system consisting of "Management Level - Energy Management Committee - Primary Functional Departments" to coordinate energy management and energy-saving initiatives. The management level is responsible for promoting energy management, setting energy policies, and ensuring resource support. The Energy Management Committee is responsible for breaking down energy targets, revising management indicators, and organizing the discussion and implementation of energy management plans. Departments such as workshop equipment, plant power, process optimization, and photovoltaic and energy storage are tasked with specific energy management responsibilities according to their duties. The EHS Department collects monthly energy consumption data for electricity, natural gas, and other resources from each department, continuously tracks energy efficiency, and provides a basis for developing energy-saving measures.



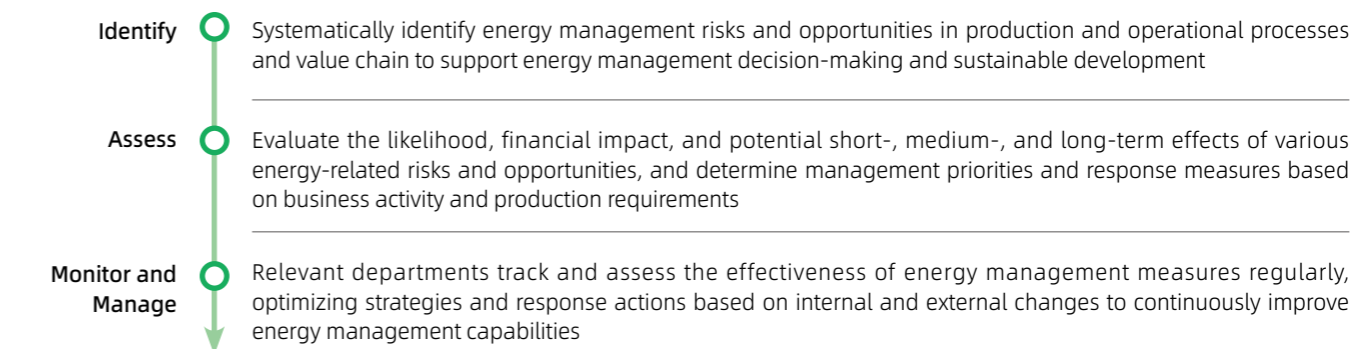
Strategy

Energy management is a critical component for Astronergy to achieve green operations and sustainable development. We systematically identify energy-related risks and opportunities, assess their potential impact on business operations and financial performance, formulate response measures, and promote low-carbon transformation.

Risk / Opportunity	Risk/Opportunity Description	Impact Period ¹²	Financial Impact	Response Measures
Risk				
Energy Cost Increase Risk	Affected by the energy structure transformation, market electricity price fluctuations, and the transmission of carbon emission costs, the cost of purchased electricity may trend upward, thereby increasing production costs.	Medium-term and Long-term	Increased Operating Costs	<ul style="list-style-type: none"> Expand the scale of self-built photovoltaic power stations and increase the proportion of self-consumed green electricity Deploy energy storage to achieve peak shaving and valley filling
Policy and Compliance Risk	National and local authorities continue to advance the "Dual Carbon" goals, which may lead to the introduction of stricter energy consumption standards, cleaner production requirements, and equipment energy efficiency access regulations.	Short-term, Medium-term, Long-term	Increased Operating Costs	<ul style="list-style-type: none"> Establish a policy tracking mechanism and proactively plan for equipment upgrades and technical modifications In the planning of new projects and the upgrading of existing production lines, priority shall be given to energy-saving technologies and equipment recommended by national authorities
Opportunity				
Energy Efficiency Improvement Opportunity	Through management optimization and technological advancements, energy consumption per unit of product is reduced, resulting in operational cost savings	Medium-term and Long-term	Reduced Operating Costs	<ul style="list-style-type: none"> Establish an energy management system to achieve refined energy consumption control. Continuously carry out energy-saving technology retrofitting. Conduct energy-saving training for all employees

Impacts, Risks and Opportunities Management

Astronergy integrates energy management into all aspects of its production and operations. By considering changes in internal and external policies alongside its business operations, the Company identifies, assesses, monitors, and manages energy-related risks and opportunities. The results serve as a key basis for optimizing the energy structure, improving energy efficiency, and refining management measures. The Company has established internal regulations, including the *Energy Management Manual*, the *Energy Measuring Instrument Management Procedure*, and the *Energy Review Procedure*, to promote efficient energy utilization and green, low-carbon development.



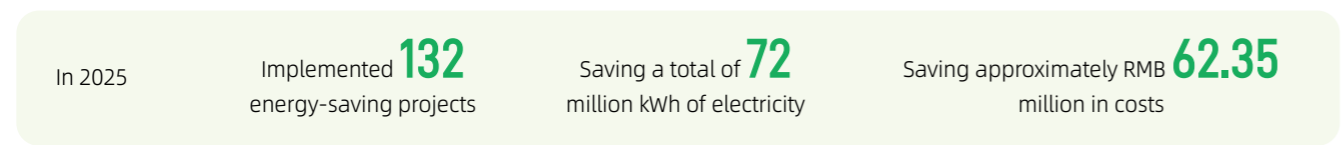
¹² The definitions for short-term, medium-term, and long-term are established as follows: short-term is 1-3 years, medium-term is 3-5 years, and long-term is over 5 years.

Digitalized Energy Management

Astronergy continues to strengthen its energy management foundation by enhancing the transparency of energy consumption data through digitalization and refined management. During the reporting period, the Company launched Phase I of its Energy Management System to enable centralized monitoring and data analysis of energy consumption across major manufacturing bases. This initiative provides support for identifying energy-saving potential, optimizing the energy structure, and controlling energy costs. The Company also strengthens energy management in office areas by implementing centralized control over equipment such as air conditioning and lighting. Through the energy consumption management platform, measures including scheduled shutdowns, monthly audits with publicized reports, and routine inspections are enforced to fulfill energy-saving responsibilities and enhance energy management capabilities within office settings.

Energy-saving and Consumption Reduction

In the production phase, the Company has continuously carried out energy-saving retrofitting of high-energy-consuming equipment and key processes to improve energy efficiency per unit of product. During the reporting period, the Company implemented 132 energy-saving projects, saving a total of 72 million kWh of electricity and approximately RMB 62.35 million in costs.



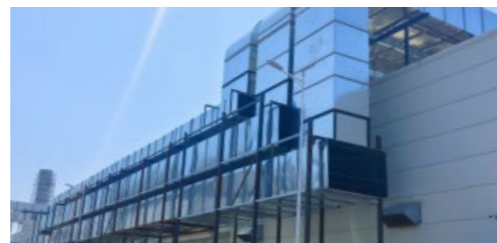
CASE Energy Conservation and Consumption Reduction Projects

Air Conditioning Fan Energy-Saving Retrofit

To reduce energy consumption and maintenance costs, the Haining Base upgraded 411 air conditioning return fan units (RCUs) with intelligent control EC brushless DC motors, significantly improving operational efficiency and maintenance convenience. After the retrofit, the Haining Base saved a total of 6.14 million kWh of electricity, with cost savings of approximately RMB 3.44 million.

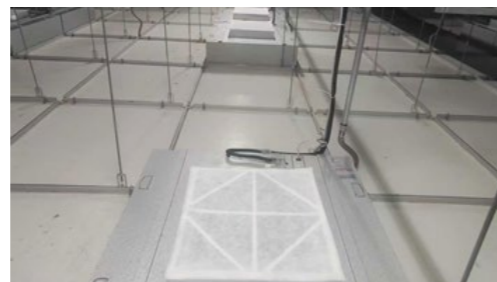
Cell Workshop Exhaust Heat Recovery

Astronergy implemented an energy recovery project for exhaust heat in the cell workshop. The project recycles medium- to high-temperature clean exhaust air from process equipment, using it as a low-enthalpy fresh air source in summer to reduce air conditioning load, and as a free heat source for winter heating, thereby reducing traditional energy consumption and decreasing the need for air conditioning and boiler heating. The project is expected to save approximately RMB 1.998 million annually.



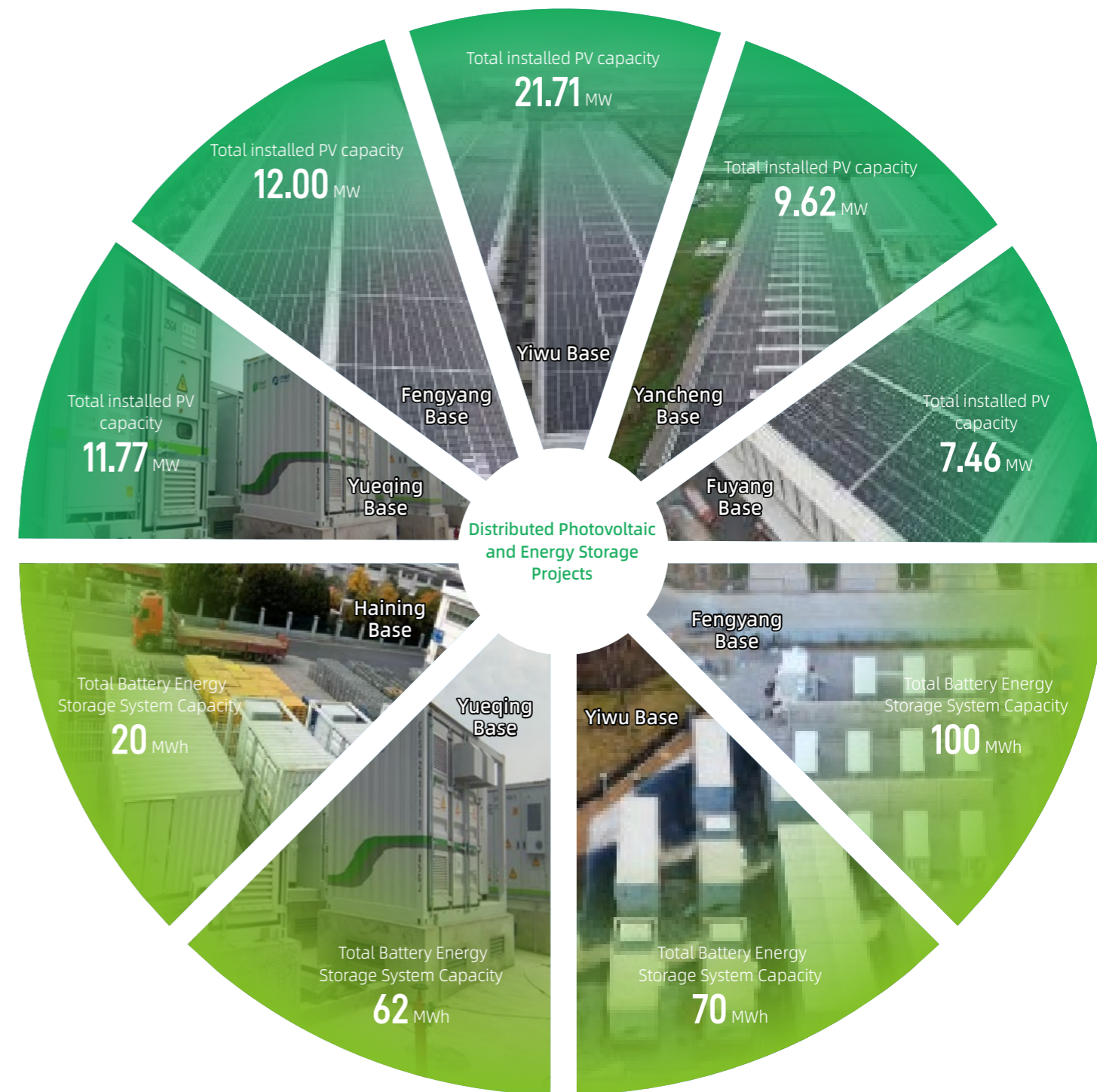
Fan Filter Unit (FFU) System Energy-Saving Retrofit

To reduce energy consumption in clean workshops, Astronergy implemented FFU system energy-saving retrofits across several bases. By optimizing the structure of the FFU air intake filter, the original single non-woven fabric was replaced with a combination of a frame and non-woven fabric/filters. This modification effectively increases the inlet area and reduces system resistance, thereby achieving energy conservation and consumption reduction. As of the end of the reporting period, the Fengyang Base, Haining Base, Yueqing Base, and Yiwu Base have completed retrofit, saving approximately 7.06 million kWh of electricity and reducing costs by about RMB 3.99 million.



Renewable Energy Utilization

While reducing energy intensity, the Company actively promotes the transition of its energy mix towards clean and low-carbon energy. By deploying distributed photovoltaic systems and customer-side energy storage projects across manufacturing bases, the Company increases the proportion of renewable energy utilization through self-generation and self-consumption as well as peak-shaving and valley-filling strategies, thereby further reducing reliance on purchased electricity and fossil fuels. During the reporting period, the total capacity of the distributed self-generated and self-used photovoltaic projects across the Company's plants reached 62.56 MW, and the total capacity of the customer-side energy storage projects was 252 MWh. The photovoltaic power generation on the Company's factory rooftops was approximately 75.83 million kWh.

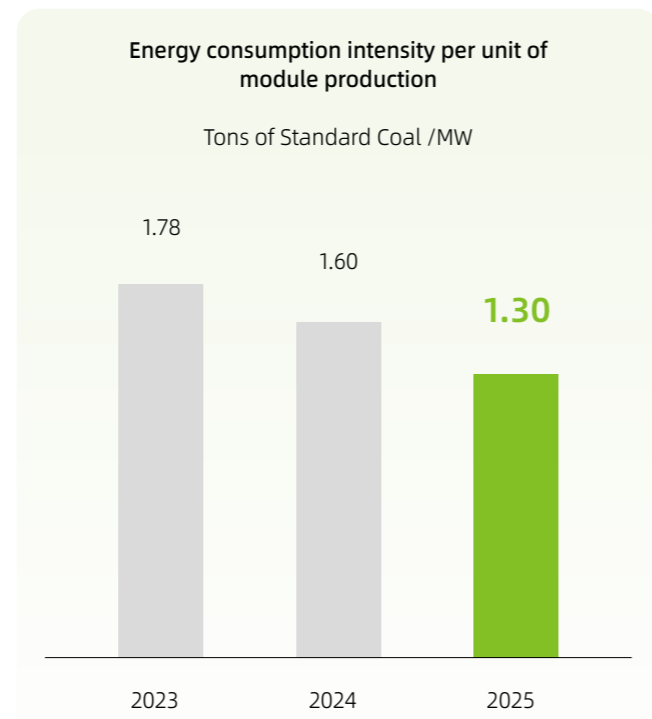
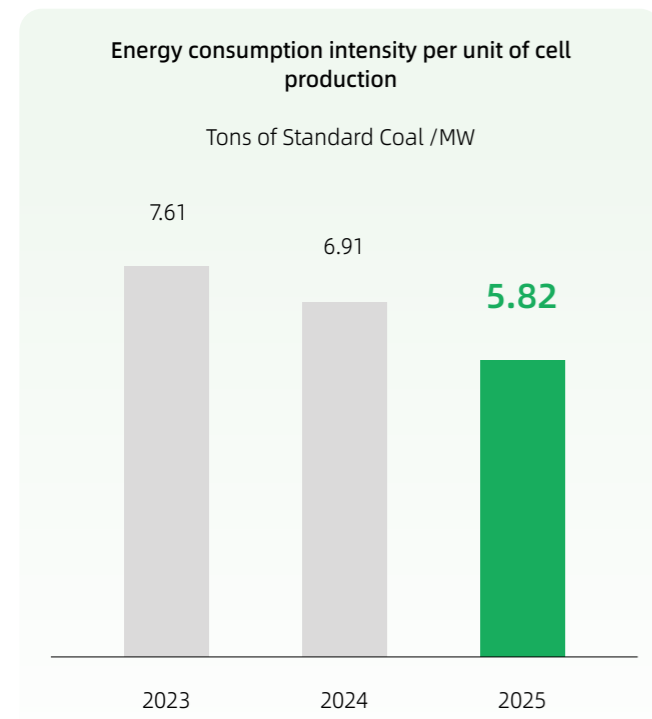


Indicators and Targets

To ensure the directionality and measurability of energy management, we have established clear energy management targets to guide energy conservation and carbon reduction practices while enhancing sustainability transparency and management effectiveness. As of the end of the reporting period, the coverage rate of ISO 50001 energy management system certification in Astronergy's main operating premises reached **100%**.

Performance in Energy Management

Indicator	Unit	2025
Total energy consumption	GJ	6,973,795.55
Total renewable energy consumption	MWh	139,367.30
Energy consumption intensity per unit of cell production	Tons of Standard Coal /MW	5.82
Energy consumption intensity per unit of module production	Tons of Standard Coal /MW	1.30
Electricity consumption savings	MWh	72,285.24
Annual standard coal savings	Tons of Standard Coal	11,150.02



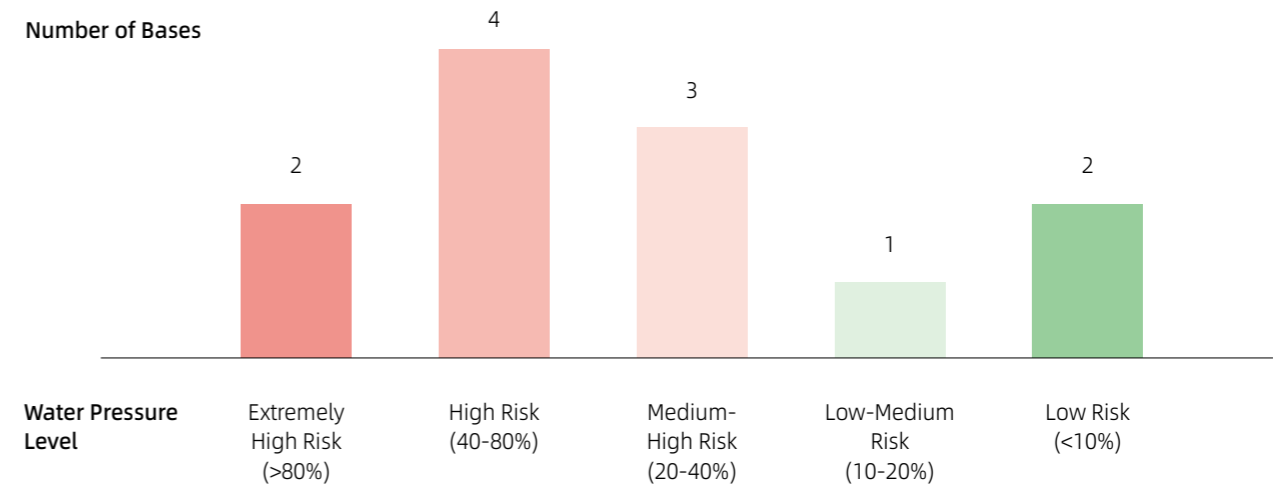
Water Resource Management

Astronergy regards water resource management as a critical support for sustainable development and stable operations. By improving institutional systems, identifying water risks, advancing water-saving retrofits, and enhancing recycling levels, the Company continuously improves water use efficiency and reduces the negative impact of its operations on local water resources.

The Company strictly adheres to laws and regulations such as the *Water Law of the People's Republic of China* and related regulations in both domestic and overseas operating locations. It has formulated and implemented the *Water Resources Management Measures* and other internal policies, to strengthen comprehensive management of water usage in production and office operations, ensuring that water conservation requirements are integrated into all business processes. In accordance with the World Resources Institute (WRI) Aqueduct Water Risk Assessment Framework and CDP Water Security Questionnaire requirements, the Company has established a closed-loop water resource management system covering the entire process of identification, assessment, management, and monitoring. Meanwhile, the Company has established clear water resource management targets and formed a dedicated task force to continuously monitor and optimize key water consumption processes, including pure water production, waste gas treatment, and cooling systems, thereby advancing the implementation of water conservation targets.

Based on the WRI Aqueduct regional risk map and integrating water intake sources, water usage processes, and basin characteristics at each manufacturing site, the Company regularly conducts water resource risk identification and assessment. During the reporting period, the Company completed the *Astronergy Water Risk Assessment Report*, which guided the setting of water conservation targets and management decisions.

Number of Bases



Astronergy Water Resource Risk Assessment Results

Focusing on key water usage areas and identified water resource risks, the Company continues to promote water-saving technical upgrades across multiple sectors. Through the reuse of reclaimed water, rainwater, and wastewater, the Company has implemented water-saving technical improvement projects such as air conditioning reverse osmosis (RO) water recycling, wastewater (hydrofluoric acid, sodium hydroxide) recovery and reuse, rainwater collection, and ultra-pure water recovery. During the reporting period, the Company conducted 11 water-saving projects, saving 595,400 tons of water and reducing costs by approximately RMB 3.04 million.

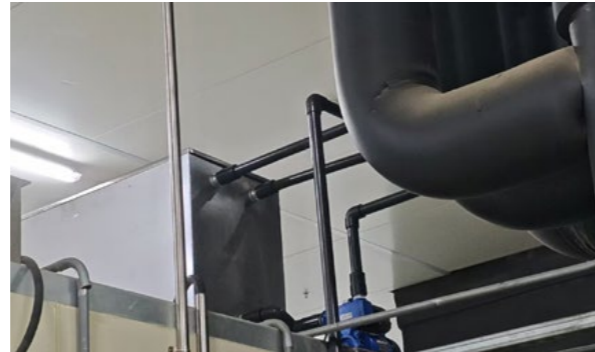
Conducted **11** water-saving projects Saving **595,400** tons of water Reducing costs by approximately RMB **3.04** million

Emissions and Waste Management

CASE Water-Saving Projects

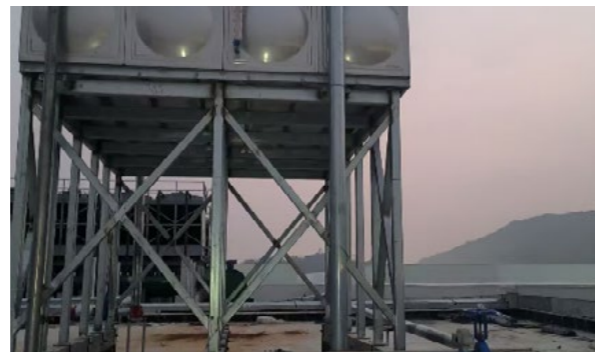
RO Water Recycling Project

To reduce humidification water consumption in the cell workshop during dry seasons, we implemented an RO water recycling retrofit on 65 MAU air handling units. Collection troughs are installed at the bottom of wet media humidifiers to collect used RO water and return it to the humidifier inlet, forming a closed-loop system for water reuse. The project is expected to save approximately RMB 420,000 in costs annually, further enhancing water efficiency in the workshop.



Air Conditioning Water Recovery and Recycling Project

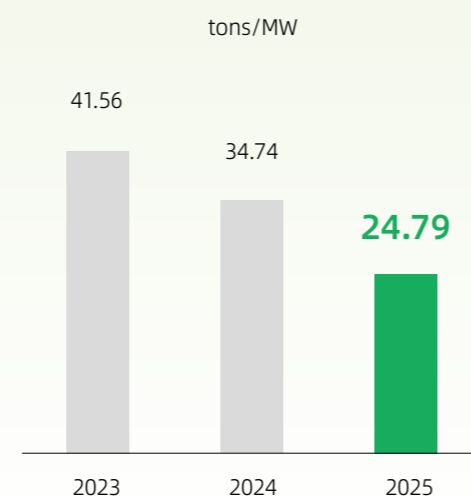
To improve water use efficiency, the Fengyang Base, Jiuquan Base, and Yueqing Base implemented retrofits to recycle and reuse water from their air conditioning systems. The project collects and treats the water discharged from the air conditioning systems for reuse, reducing the consumption of fresh water. After the project was completed, the three bases saved approximately 500,000 tons of water and reduced related costs by approximately RMB 2.55 million.



Performance in Water Resource Management

Indicator	Unit	2025
Total water withdrawal	tons	9,859,962.00
Total water discharge	tons	8,212,353.60
Total water consumption	tons	1,647,608.40
Comprehensive water consumption intensity	tons /MW	24.79
Water consumption intensity decrease YoY	%	28.64
Total water recycled and reused	tons	146,304,648.82
Water recycling rate	%	93.69
Reclaimed water purchased	tons	2,207,645.00
Total ultra-pure water consumption	tons	5,556,434.00

Comprehensive Water Consumption Intensity



Astronergy is committed to integrating pollution prevention and control throughout its production and operations. Focusing on key areas such as wastewater, waste gas, solid waste, and noise, the Company has established a management system covering identification, control, monitoring, and improvement to continuously enhance its green operational capabilities.

Waste Gas Management

The Company strictly complies with the *Atmospheric Pollution Prevention and Control Law of the People's Republic of China* and other relevant laws and regulations and has formulated and implemented the *Atmospheric Pollution Prevention and Control Management Procedure* to systematically regulate the generation, collection, treatment, and discharge of waste gas. The Company continues to reduce gas emissions and their environmental impacts.

Establish and regularly update the inventory of atmospheric pollution sources, clearly defining each pollution-generating process, pollutant types, and corresponding treatment facilities

Daily supervision and inspections are conducted for various waste gas emissions and treatment facilities. Upon identification of issues, the responsible departments shall implement corrective actions

Waste gas treatment devices, such as combustion towers and scrubber towers, are regularly inspected and maintained according to requirements, ensuring stable operation of the facilities

In accordance with the requirements of the discharge permit, discharge registration, and environmental impact assessment, the Company commissions qualified third-party testing agencies to regularly monitor the quality of organized and unorganized waste gas emissions and the environmental air quality at the plant boundary, ensuring that emissions meet environmental standards

Waste gas discharge outlets shall be established in compliance with legal regulations, and identification signs meeting the required standards shall be displayed at these outlets

Waste Gas Management Measures

Wastewater Management

Astronergy complies with the *Water Pollution Prevention and Control Law of the People's Republic of China* and the *Emission Standard of pollutants for Battery Industries (GB30484-2013)*. The Company has formulated the *Water Pollution Prevention Management Procedure*, which clarifies management requirements and methods for water pollution identification, prevention, control, and monitoring. The EHS Department is responsible for supervising and managing wastewater prevention. The list of water pollution sources is updated annually, while the operation of wastewater treatment facilities and the implementation of corrective measures are continuously monitored to ensure that wastewater discharge consistently complies with regulatory requirements

Strictly enforce the separation of rainwater and sewage (wastewater). Rainwater is collected via pipelines and discharged into the municipal stormwater network

Wastewater is pre-treated before entering the integrated wastewater treatment station. For wastewater that cannot be conveyed to the treatment system via pipelines, unorganized discharge is prohibited. Such wastewater must be collected through dedicated measures and subsequently sent to the wastewater treatment system for processing

Establish an online wastewater monitoring platform to conduct real-time monitoring of key indicators such as wastewater volume, fluoride, and COD, ensuring that pollutants in the wastewater meet discharge standards after treatment

Wastewater Management Measures

Waste Management

Astronergy integrates the principles of reduction, resource utilization, and harmless treatment throughout the entire waste management chain. The Company optimizes processes for waste classification, collection, storage, transportation, and disposal to enhance recovery levels of resource and reuse while minimizing the environmental impact of waste.

The Company strictly complies with relevant laws and regulations, including the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste* and the *Standard for pollution control on hazardous waste storage*. It has formulated and implemented internal management systems such as the *Waste Management Procedure* and the *Industrial General Resource Waste Management System*, clearly defining management requirements for various types of waste generated during manufacturing and operations across all stages, including classification, declaration, collection, transportation, storage, and disposal.



Waste Management Measures

The Company continues to advance the recycling and resource utilization of waste generated during production processes, such as broken silicon wafers and cells, while enhancing the level of recycled use for materials including aluminum, silver, and crystalline silicon. During the reporting period, the Company achieved a 100% disposal rate and 100% recycling rate for broken silicon wafers, as well as a 100% disposal rate for scrapped cells. The Company's comprehensive waste generation intensity was 0.75 tons/MW, representing a year-over-year decrease of 23.47%.

	Unit	2023	2024	2025
Non-hazardous waste recycling rate	%	50.50	96.23	97.11
Percentage of total operational waste diverted from landfills ¹³	%	50.60	95.66	96.42

To ensure the compliance and effectiveness of the management system, the Company conducted an internal assessment of solid waste during the reporting period. This review examined the solid waste management requirements stipulated in the Environmental Impact Assessment Report and the Pollution Discharge Permit, the actual disposal status of solid waste, and the compliance of management ledgers. Furthermore, the Company conducted a specialized audit of the operational qualifications, EHS compliance, and on-site management capabilities of 18 external hazardous waste and sludge disposal suppliers to ensure alignment with the Company's management standards and regulatory requirements, thereby continuously enhancing its waste disposal management practices.

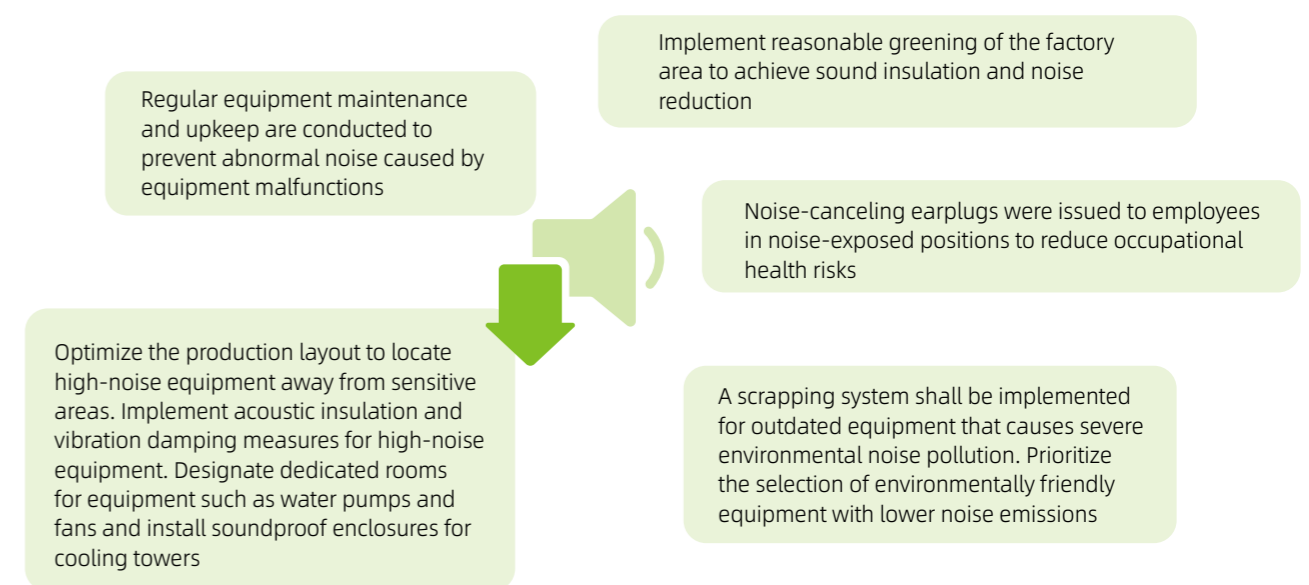
¹³ Landfill diversion refers to efforts aimed at reducing the amount of waste sent to landfills by redirecting it for other forms of treatment or utilization.

Performance in Waste Management

Indicator	Unit	2025
Total waste generation	tons	49,753.37
Comprehensive waste generation intensity	tons /MW	0.75
Total waste recycled	tons	47,973.32
Total non-hazardous waste generation	tons	49,094.39
Total non-hazardous waste disposal ¹⁴	tons	49,224.78
Total hazardous waste generation	tons	658.98
Total hazardous waste disposal	tons	652.94

Noise Management

To effectively control operational noise, protect the community environment, and safeguard employee health, the Company strictly complies with laws and regulations such as the *Law of the People's Republic of China on the Prevention and Control of Noise Pollution* and external standards including the *Emission Standard for Industrial Enterprises Noise at Boundary* (GB12348). The Company has established and implemented the *Noise Management system* to manage noise prevention and control.



Noise Management Measures

¹⁴ The disposal volume of non-hazardous waste in 2025 exceeded the generation volume, as it included unprocessed inventory carried over from 2024.

Biodiversity Conservation

Astronergy values biodiversity conservation and incorporates it into its sustainable development management framework to promote coordinated development between operations and ecosystem protection. The Company complies with the United Nations Convention on Biological Diversity (CBD) and relevant environmental protection and wildlife conservation laws and regulations in its jurisdictions of operation. It has clearly defined the ecosystem conservation responsibilities of each department through the *Chint New Energy ESG Policy*, established a robust management mechanism, and incorporated these requirements into the *Business Partner Integrity, Compliance Undertakings*. This approach encourages partners, including suppliers, to participate jointly and strengthens collaborative protection across the industrial chain.

Astronergy's Commitment to Biodiversity Conservation

We are committed to net zero loss of biodiversity in related operation and production activities during project development or construction. If Astronergy has resulted in any negative impact on biodiversity during the development or construction of projects, it is required to take high credible biodiversity compensation measures within 2 years after the completion of the projects, and implement biodiversity conservation and restoration measures in other areas or projects to balance or offset the negative ecological impacts caused by the development activities.

We commit that when Astronergy carries out development or construction projects, related operation and production activities will not involve any behavior of destroying forests, including deforestation, burning or clearing forests, so as to ensure the integrity and sustainability of the forest ecosystem.

We commit not to carry out operation and production related activities in any world natural heritage site or its buffer zones.

We commit to complying with any regulations, conventions, and legal requirements in ecological reserves and other areas designated for their biodiversity importance.

To implement the commitments, Astronergy has established a management mechanism integrating "full project lifecycle" with "localized differentiation". From the pre-project phase to operational phase, the Company continuously identifies, tracks, and manages biodiversity impacts. Furthermore, based on an assessment framework of "business activities–risk types–risk levels", the Company conducts biodiversity risk identification, preparing risk lists and response plans.

Management Stage	Measures
Early-Stage Biodiversity Assessment	Before the project begins, collaborate with external professional organizations to conduct environmental impact assessments, systematically identifying potential impacts on local ecosystems, key habitats, and species.
Biodiversity Dynamic Monitoring During Operations	Regularly monitor biodiversity during operations, track actual impacts on surrounding environments, and adjust measures as needed to minimize or avoid ecological disruption.

Astronergy advances biodiversity conservation through operational optimization, technological integration, and industry chain collaboration. The Company continues to promote green and low-carbon operations to reduce the ecological disruption caused by its activities. Aligning with business characteristics, the Company explores the "PV+" application solutions, integrating efficient photovoltaic solutions with agriculture, fishery, desertification control, and livestock sectors, fostering the synergistic development of clean energy utilization and ecological protection.

CASE Astronergy "PV+" Ecological Project Cases



Agrivoltaics

Astronergy supplied all PV modules for the Turkey Gaziantep 7.3MW agrivoltaics power station project. The project leverages local agricultural resources by adopting the "agrivoltaics" model, which involves installing PV panels above farmland while cultivating crops below. PV panels not only provide shade for crops but also mitigate the impacts of extreme weather events such as hail, drought, and heavy snowfall, achieving dual land use and enhancing comprehensive land utilization efficiency.



Aquaculture-PV Complementation

Astronergy facilitated the successful grid connection of the 74MW Aquaculture-PV complementary project on Dengbu Island, Zhejiang Province. This project adopts an innovative model of power generation on PV panels and farming beneath them, achieving green energy production while providing natural shading conditions for mud crab farming. The project is expected to provide approximately 85 million kWh of green electricity annually, serving as a demonstration model for clean energy development in coastal areas, quality improvement and efficiency enhancement in fisheries, and rural revitalization.



Desert-PV Complementation

Astronergy facilitated the successful grid connection of the Huadian 1.35 GW new energy project in the Gurbantunggut Desert base (the 250 MW photovoltaic portion in Mulei). Leveraging the abundant solar resources of the Gurbantunggut Desert, this project delivers clean electricity while supporting desertification governance through a "power generation above PV panels and ecological restoration below" model, achieving dual benefits for ecological protection and energy transformation.



Pasture-PV Complementation

Astronergy supplied all PV modules for the New Zealand Ashburton 7.2MW project. This project leverages local livestock resources by adopting a "grazing-solar complementary" model. PV panels are installed above the pasture to provide shade and activity space for sheep below, facilitating the coordinated development of clean power generation and agricultural production. After the project reaches full capacity operation, it is expected to provide approximately 10.87 million kWh of clean electricity annually, contributing to the enhancement of local renewable energy supply capacity and agricultural sustainability.

Shared Value, Shared Growth

Response Issues

Labor Rights and Human Rights Protection

Human Capital Development

Equality and Diversity

Occupational Health and Safety

Community Engagement and Charitable Initiatives

Astronergy continuously focuses on fulfilling social responsibilities through three key dimensions: employee rights, occupational health and safety, and social contributions. By synergizing efforts across these three dimensions, we integrate social responsibility into strategic operations, uphold our corporate mission through concrete actions, and inject momentum into sustainable social development.

Respond UN SDGs



Labor Rights and Human Rights Protection

Astronergy effectively safeguards the fundamental rights of all employees, strives to build an equal, diverse, and inclusive workplace ecosystem, establishes and improves a compensation and benefits system, offers competitive compensation packages and comprehensive support, empowers collaborative development between employees and the Company, and achieves joint value creation and shared growth.

Compliant Employment and Rights Protection

Astronergy adheres to the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, the *Provisions on the Prohibition of Using Child Labor*, and laws and regulations of operating jurisdictions. It actively implements international human rights norms such as the *Universal Declaration of Human Rights* and the *ILO Declaration on Fundamental Principles and Rights at Work*, building a comprehensive labor rights protection system.

The Company formulates and strictly implements systemic documents including the *Social Responsibility Management System Manual*, the *Anti-Discrimination, Anti-Harassment, Anti-Forced Management Procedures*, the *Regulations on the Prohibition of Child Labor*, and the *Labor Protection Management System for Female Employees and Juvenile Workers*. By regulating workplace conduct, we prohibit illegal acts like discrimination, harassment, forced labor, and child labor, safeguarding employees' reasonable working hours and fundamental rights. As of the end of the Reporting Period, 7 major operating sites have passed SA8000 Social Responsibility Management System certification, solidifying the cornerstone of labor rights protection with international standards.

Compliance, Rights and Protection

Astronergy recognizes that modern slavery (including forced labor, debt bondage, human trafficking, etc.) is a severe violation of human rights. Therefore, we strictly adhere to benchmarks such as the *Anti-Modern Slavery Statement*, the *Forced Labour Convention, 1930*, the *Universal Declaration of Human Rights*, UK's *Modern Slavery Act 2015*, and Australia's *Modern Slavery Act 2018*. We comprehensively established a zero-tolerance risk prevention and control system against modern slavery and, in 2025, submitted and published the *2024 Modern Slavery and Human Trafficking Statement* and the *2024 Modern Slavery Statement* to relevant authorities in the UK and Australia. This ensures that our own operations and the entire supply chain comply with ethical and compliance standards.

Issue	Sustainability Strategy Targets	2025 Progress
Labor Rights and Human Rights Protection	Short-term Targets (by 2028)	<ul style="list-style-type: none"> Employee satisfaction score: 79.17 Technical talent turnover rate: 7.94%
	Medium and Long-Term Targets (by 2035)	<ul style="list-style-type: none"> 241 employees got support for continuing education and improving academic qualifications cumulatively Female employee proportion: 28.75% Female management proportion: 17.25% Female technical staff proportion: 24.40%
Human Capital Development	Short-term Targets (by 2025)	<ul style="list-style-type: none"> 1,000 employees get support for continuing education and improving academic qualifications cumulatively (taking 2022 as the base year) Proportion of female employees reaches 40% Proportion of female employees in management reaches 30% Proportion of female employees in technical talent reaches 30%
	Medium and Long-Term Targets (by 2035)	<ul style="list-style-type: none"> Accident rate of minor injuries per thousand persons: 0.77‰
Occupational Health and Safety	Short-term Targets (by 2025)	<ul style="list-style-type: none"> Support a total of 35 ecological power station projects
	Medium and Long-Term Targets (by 2035)	<ul style="list-style-type: none"> Support the construction of 100 ecological power station projects accumulatively, including desert PV, Agrivoltaics, tidal PV, and Aquaculture- PV complementary projects, etc. (taking 2022 as the base year)
Community Engagement and Charitable Initiatives	Short-term Targets (by 2025)	
	Medium and Long-Term Targets (by 2035)	

Anti-Discrimination, Harassment, and Abuse

The Company strictly prohibits discrimination or harassment in all aspects of personnel practices (e.g., hiring, promotion, compensation determination, work assignment) based on factors such as race, country of origin, religion, disability, gender, sexual orientation, union membership, political affiliation, or age. It firmly opposes all forms of abusive behavior, including physical punishment, mental coercion, and verbal abuse, and explicitly incorporates anti-discrimination, anti-harassment, and anti-abuse into the red lines of personnel management. If such violations occur, the Company will impose disciplinary actions (e.g., suspension, dismissal) on personnel responsible in strict accordance with the *Employee Management Regulations* and other rules and will not tolerate them under any circumstances. During the Reporting Period, no incidents of harassment, discrimination, or abuse occurred.

Prohibition of Child Labor and Forced Labor

The Company strictly prevents child labor and forced labor: verify applicants' identity information during recruitment, conduct age verification for all employees at least twice annually to eliminate child labor; if child labor is detected, immediately terminate the employment, arrange health checks, contact guardians, and assist school-age children in returning to compulsory education. Internally, the Company defines working hour and overtime approval procedures in labor contracts to strictly prohibit forced labor practices, such as restricting employee mobility, collecting deposits, and withholding identity documents. Require suppliers/subcontractors to sign agreements prohibiting forced labor and immediately terminate cooperation with violators. During the Reporting Period, the Company had no incidents of child labor or forced labor.

Protection of Freedom of Association and Collective Bargaining Rights

The Company respects employees' freedom of association and collective bargaining rights. It has formulated systems including the *System for Employees' Freedom of Association and Collective Bargaining Rights* and the *Trade Union Management System*, facilitating the establishment of democratic management organizations such as the Workers' Congress and trade unions. The Company holds the Workers' Congress at least once annually to safeguard employees' democratic rights. Trade unions at each base negotiate and sign written agreements with the Company to protect employees' rights in occupational health, safety, working conditions, skill training, and areas including anti-discrimination, anti-harassment, anti-abuse, and equality and diversity.

To safeguard employee rights, Astronergy strengthens the human rights defense line through systematic measures. It regularly conducts social responsibility risk assessments and reviews including human rights risks, refining policies and management processes based on results. The Company establishes reporting channels to encourage stakeholders (employees, suppliers, contractors, etc.) to report suspected human rights violations, enabling timely investigation of leads, thorough incident examinations, and remedy implementation to minimize harm. Astronergy regularly organizes human rights policy training (covering anti-discrimination, anti-harassment, etc.), achieving **100%** coverage among employees (including security personnel).

The Company prioritizes whistleblower protection, formulating strict control systems and protocols. Designated personnel receive and store reporting materials and investigation files (encrypted, locked, and kept within sight). It prohibits investigators from discussing cases privately or non-investigators from accessing case details. Protective measures are implemented throughout investigations to ensure whistleblower information security, effectively guaranteeing the security and credibility of reporting channels.



Compensation and Benefits

Astronergy continuously optimizes its compensation and performance management system and has established the *Compensation and Benefits Management* system. Adhering to the principle of "equal pay for equal work", it ensures no disparities in compensation based on gender, religion, political affiliation, marital status, or other factors. Based on job value, the Company focuses on talent in key positions, dynamically adjusts compensation in line with external market levels to maintain competitive advantages in the industry and relevant regions, and ensures wages in all operating areas meet employees' basic living needs. Annually, it refines compensation structures and benefits in response to internal and external changes, offers market-competitive compensation and a robust employee benefits system aligned with corporate growth. Non-compensation benefits and regular activities are used to enhance employees' sense of belonging and satisfaction.

During the Reporting Period, Astronergy officially released a living wage analysis report, based on field research and industry benchmarking data, systematically assessing the competitiveness of employee compensation and their basic livelihood security, and providing a precise basis for deepening labor rights protection and optimizing the compensation structure.



Employee Benefits System

Employee Communication

Astronergy is committed to maintaining effective employee communication and feedback mechanisms. Led by the Human Resources Department, it has established a four-channel grievance system (including a complaint and assistance helpdesk, dedicated email, general manager's mailbox, and complaint and assistance hotline) to ensure employees have a place to voice concerns and receive responses.

In handling processes, upon receiving complaints or reports, the Human Resources Department promptly convenes relevant personnel for discussion and initiates an investigation. Handling departments/personnel must strictly follow principles of promptness, confidentiality, objectivity, and fairness to investigate and gather evidence. Straightforward issues are resolved within 1-3 working days, and complex disputes within 7 working days, ensuring efficient closed-loop feedback. The Company complaint resolution rate was **100%** during the Reporting Period.

Annually, the Company conducts employee engagement and satisfaction surveys via interviews and online questionnaires to systematically collect feedback on dimensions like performance feedback, development and training, recognition and incentives, and leadership effectiveness. Targeted improvement measures are developed and implemented to enhance team cohesion and optimize management efficiency and work environment, demonstrating dual improvements in management effectiveness and employee recognition.

Respect for Human Rights

Astronergy has formulated the *Indigenous rights Management System* to regulate factory operations and respect the land rights, culture, and autonomous decision-making rights of indigenous peoples. The Company strictly adheres to the Free, Prior, and Informed Consent (FPIC) principle, applicable to all projects involving indigenous traditional territories or customary lands. Astronergy requires free consultation, transparent information, and clear consent mechanisms to safeguard indigenous peoples' right to information and consent regarding land, resources, and lifestyles. In line with international instruments such as the *United Nations Declaration on the Rights of Indigenous Peoples*, it implements compliance reviews and information disclosure.

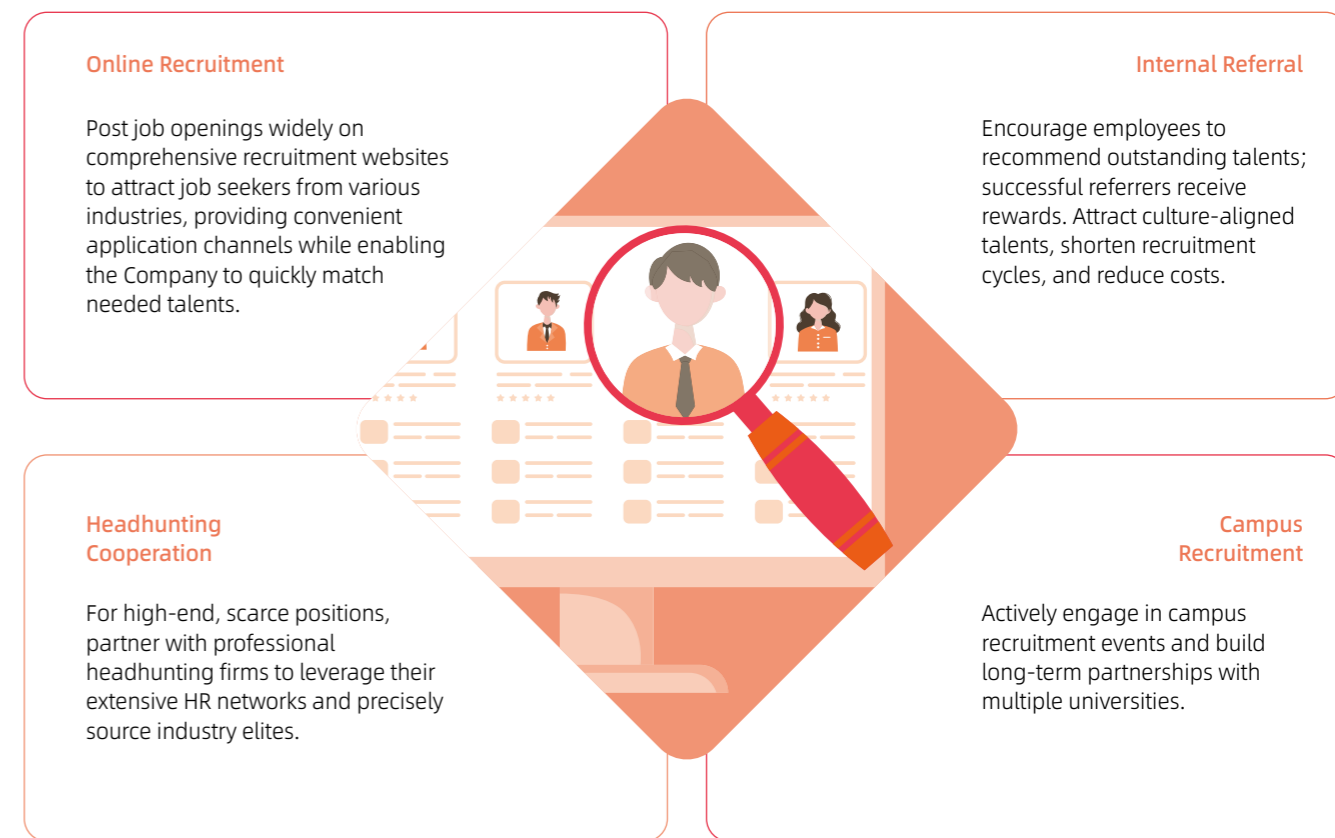


Human Capital Development

Astronergy has systematically built a comprehensive strategy for human capital development and talent pipeline building, focusing on technology and international talents. We precisely attract global high-quality talents by deepening university-enterprise cooperation mechanisms, activating the potential of employees at all levels through diversified empowerment programs, and build an internal talent market platform to drive efficient flow and optimal allocation of talent resources.

Talent Attraction

Adhering to a philosophy of diversity and equality guided by its globalization strategy, the Company expands diversified recruitment channels to attract high-quality talents from different countries and regions worldwide. It continuously optimizes the professional structure of the workforce, precisely matches diversified talent needs for global operations and various positions, builds a rich and high-quality talent pool, and injects strong talent momentum into the Company's sustainable development.



Diversified Recruitment Channels

We systematically advance human capital development and talent pipeline development. It precisely attracts global high-quality talents by deepening university-enterprise cooperation mechanisms, activates the potential of employees at all levels through diversified empowerment programs, builds an internal talent market platform to optimize resource allocation, continuously expands the depth of industry-academia-research collaboration, and constructs a rich and high-quality talent pool—providing solid talent support for the Company's global development.

CASE Astronergy Partners with Zhejiang International Studies University to Enhance Cross-Cultural Adaptability of Turkish Expatriate Employees

In response to its globalization strategy and talent needs for business expansion in Turkey, Astronergy launched an expatriate employee training program in partnership with Zhejiang International Studies University. Divided into three batches, the program adopted a dual-track mechanism of "Turkish language faculty + cross-cultural management practice". Jointly developed by the university and enterprise, the *Practical Handbook for Survival and Work in Turkey for Expatriates* was created, with a "small-class rotation + differentiated empowerment" model implemented. Assessment was conducted through merit-based selection and managerial selection presentations and defense sessions, with results serving as the basis for expatriate qualification and inclusion in employee files.

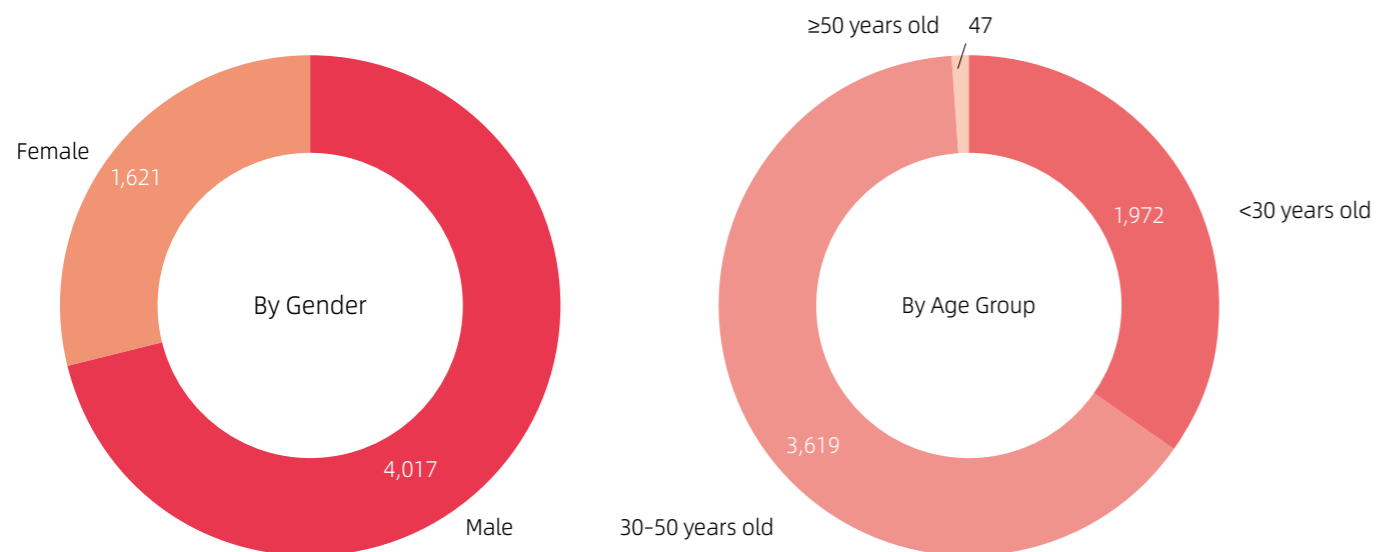
Ultimately, the project enabled 181 employees to master basic Turkish, cross-cultural communication, and local management skills through systematic learning. It formed a closed-loop mechanism of "selection-training-assessment-appointment", supporting Turkish business operations and the implementation of the globalization strategy, while establishing a replicable university-enterprise joint cross-cultural talent development system.

CASE Astronergy Partners with Wenzhou University Of Technology to Build Localized Training System for Turkish Employees through the "Chint Class"

In response to the demand for localized talent reserve in Turkey under its globalization strategy, Astronergy partnered with Wenzhou Institute of Technology to launch the "Sino-Turkish Joint Program 'Astronergy Class' + On-the-Job training" program. Focusing on key positions (equipment, power, translation, etc.) and grassroots management roles, it targets skilled talent supply for the next 3-5 years.

The Company selects outstanding existing employees to join the class; those passing assessments are promoted and included in the international talent pool. The Company offers a photovoltaic technology major with local vocational colleges for recent graduates, who are directly hired upon passing assessment. The project establishes a "university-enterprise joint + tiered training" model, achieving multiple values: long-term talent supply, capability enhancement, business alignment, and strategy implementation.

As of the end of the Reporting Period, the Company had a total of 5,638 employees, all of whom were full-time. Female employees accounted for 28.75% of the total. In addition, 621 employees were newly hired.



Equality and Diversity

Astronergy consistently practices international human rights initiatives and standards, adhering to international norms such as the *Universal Declaration of Human Rights*, the *ILO Conventions*, and the *UN Guiding Principles on Business and Human Rights*. It deeply integrates the principles of equality and inclusion into all processes of human resource management. The Company establishes the principle of equal competition, explicitly prohibiting discrimination at all stages of employment based on differences in gender, race, age, marital status, physical condition, family origin, region, or religious belief, effectively safeguarding employees' right to equal employment. As a global signatory member of the *UN Women's Empowerment Principles (WEPs)*, Astronergy strives tirelessly to promote gender equality and women's empowerment in the workplace, market competition, and community life.

Against the backdrop of accelerated global new energy industry deployment, Astronergy actively responds to the strategic needs of overseas business expansion. Confronting core challenges in multinational teams—such as "cultural difference barriers and inefficient employee collaboration"—the overseas marketing HRBP team leads the launch of the "Homing" series of activities. These aim to increase exchanges between overseas and headquarters employees and enhance the Company's management efficiency.

CASE "Homing" Series of Activities

To address the cross-cultural integration needs of its business, Astronergy launched the "Homing" series of activities in early 2023, advancing it in phases with a core focus on "emotional connection + business collaboration".

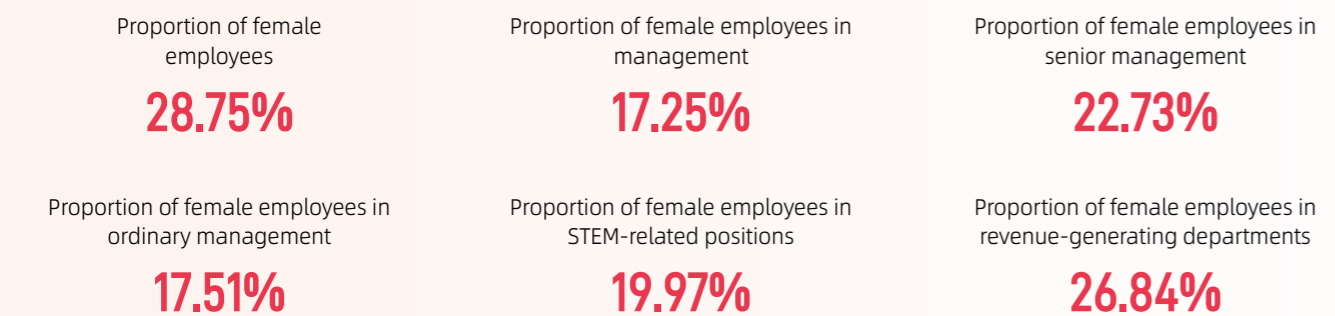
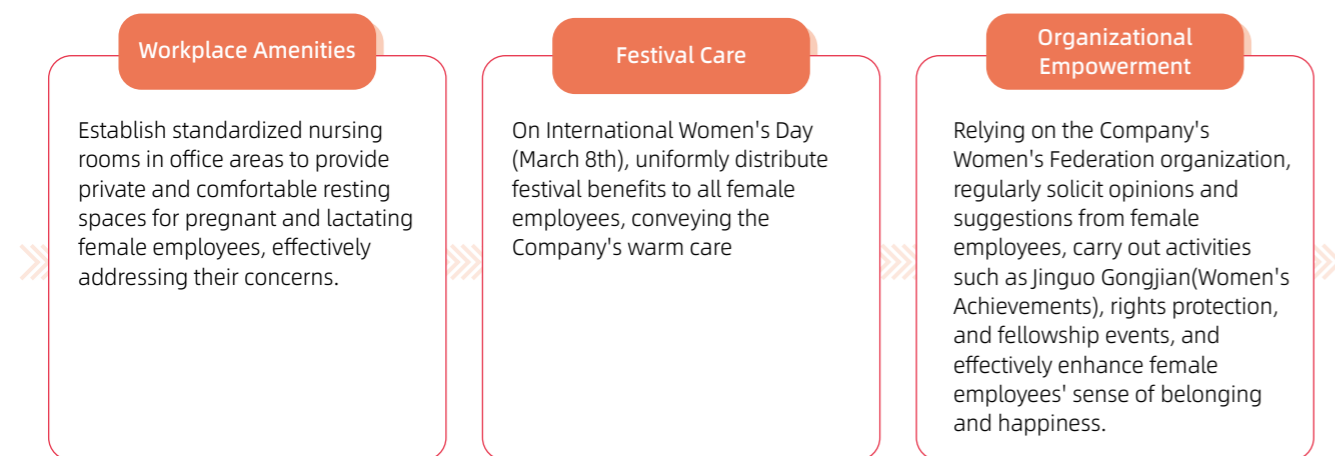
As of June 2025, since the project's implementation, it has successfully addressed challenges in global team management, established a regular cross-cultural communication mechanism, and enhanced organizational inclusivity. It has strengthened global team cohesion, fostered unique soft power of corporate culture, and directly supported overseas business expansion. Additionally, it eliminated cognitive barriers between foreign employees and headquarters, reduced cross-departmental collaboration inefficiencies, and significantly improved collaboration efficiency.



"Homing" Series of Activities

Protection of Female Employees' Rights and Interests

The Company has always prioritized the protection of female employees' rights and interests and the provision of humanistic care, continuously deepened care mechanisms, and built a three-in-one support system integrating workplace Amenities, festival care, and organizational empowerment.



We actively fulfill our social responsibilities by proactively employing persons with disabilities who have the ability to work and a desire to be employed. It expands employment channels by deepening cooperation with local disabled persons' federations, special education institutions, and disabled persons' employment service centers. The Company has formulated the *Regulations on the Management of Disabled Employment*, ensuring equal treatment throughout the entire employment cycle (recruitment, hiring, regularization, promotion, labor remuneration, welfare benefits, and labor insurance) and precisely matching employees to suitable positions based on their physical conditions and skill strengths.

Meanwhile, the Company has fully optimized barrier-free facilities in plant areas and offices, equipping them with basic amenities like barrier-free passages and restrooms. For visually impaired employees, it has added adequate lighting and tactile signs to meet diverse needs and ensure convenience in commuting and work. As of the end of the Reporting Period, Astronergy has cumulatively employed 26 employees with disabilities, putting into practice its commitment to inclusive employment and humanistic care.

Employee Development

As a globally deployed enterprise, Astronergy deeply integrates strategic development with organizational talent cultivation. Grounded in role-specific characteristics and focusing on precise person-job matching and dynamic management, it forges a core talent team with traits of specialization, digitalization, and globalization to build the Company's competitive edge.

Talent Cultivation System

To align with the Company's development goals, Astronergy focuses on four key directions—manufacturing foundation-building, international expansion, digital empowerment, and business innovation design. It systematically launches a series of training programs to precisely empower talent capabilities to align with the Company's strategy.



The Company deeply recognizes that highly skilled employees are the primary driver of production efficiency, safety and compliance. To this end, the Company adopts the core concept of "learning through practice, enhancing capabilities through learning, and strengthening foundations with digital tools". Through a three-dimensional training model of "practical competitions + self-directed empowerment + digital control", it precisely matches the capability enhancement needs of employees at different positions and levels in the manufacturing sector, driving synergistic leaps in skill levels, safety awareness, and compliance effectiveness.

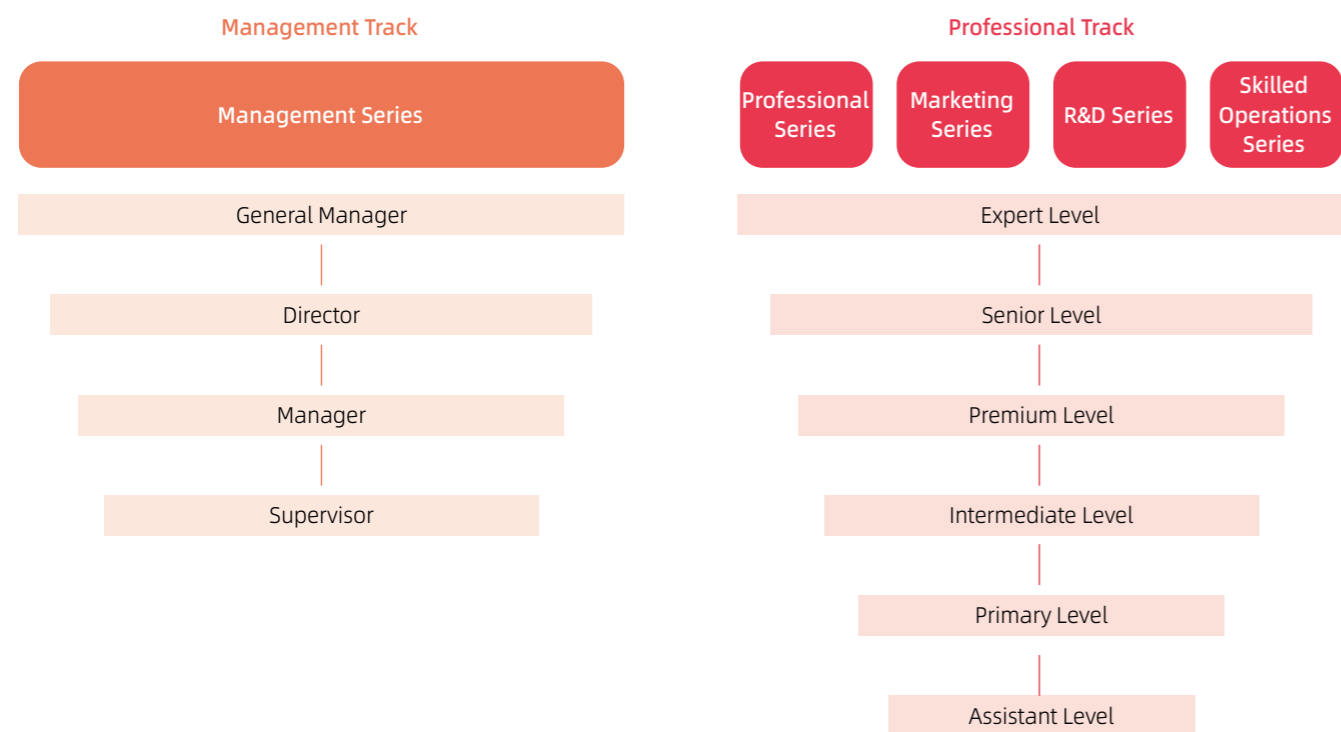
Activity Theme	Activity Content
Forklift Skills Competition	Organize forklift skills competitions to stimulate employees' internal motivation for self-driven skill improvement; foster a "striving, learning, advancing, supporting and excelling" atmosphere, establish skill benchmarks, drive overall enhancement of skill levels and safety awareness, and empower safe production and efficiency in high-skilled sections.
Key Position Micro-courses	Cover frontline employees with a series of micro-courses, such as the Operational Guidelines for Frontline Core Positions, and skill-enhancement short videos, building a "learn anytime" autonomous system. Cumulatively reached 500+ person-times, focused on hourly worker skills, achieved full core technical position coverage, and overcome the time and space constraints of traditional centralized training.
Digital Empowerment for Compliance Control Enhancement	Digitally monitor training processes and operational behaviors, precisely identify compliance risks, optimize management with data, and strengthen the line of defense for safe, efficient operations.

Indicator	2025
Total Investment in Employee Training	RMB 8,269,805.64
Training Investment per Capita	RMB 1,466.80
Total Employee Training Hours	142,968 hours
Average Training Hours per Employee	25.36 hours
% of Employees Receiving Vocational/Skill Training	100%

Employee training performance

Career Development

Astronergy has established a dual-career-path system with management and professional tracks for all employees, formulated the *Job Qualification Management* and *Cadre Management System* regulations, and simultaneously refined the promotion system and mechanisms to ensure transparent, fair, and reasonable promotion processes. To respect employees' diverse development aspirations and support multi-dimensional growth, employees may apply for track conversion based on personal plans to fit more suitable positions. For management employees and management trainees, the *Job Rotation Management* regulation was established to help them gain a comprehensive understanding of business logic, continuously strengthen the development of talent with a holistic perspective, and fully activate internal talent development vitality.



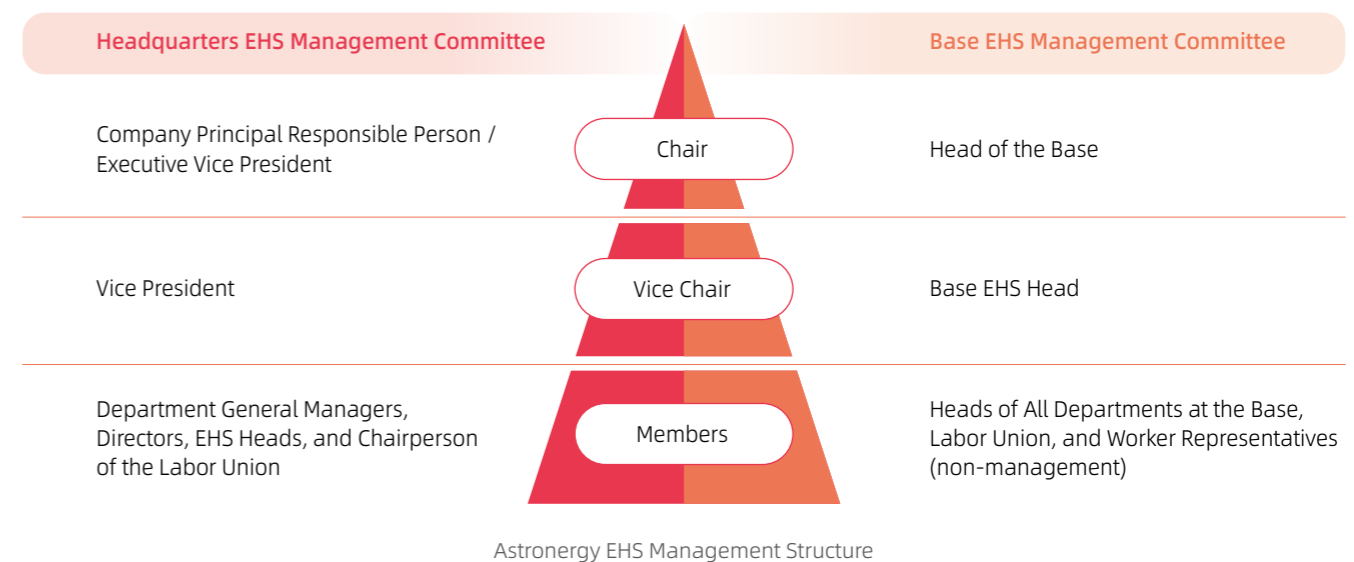
To ensure objective and fair feedback on employee performance, Astronergy formulated the *Performance Management* system, establishing a performance appraisal mechanism covering all employees. Adhering to the principles of "fairness, impartiality, and transparency", it regularly conducts assessments of employees' individual capabilities and workplace performance. During the appraisal process, emphasis is placed on frequent communication with employees. After results are issued, targeted individual development plans are formulated to assist in career planning and achieving personal career goals. During the Reporting Period, the employee coverage rate for regular performance appraisals and career development assessments was **100%**.

Occupational Health and Safety

Astronergy always prioritizes safety management, deeply embeds the safety concept into all operational processes, continuously improves the safety management system, strengthens the cultivation of employees' safety awareness, and effectively ensures employees' occupational health and safety.

Management System

Astronergy adopts "Safety and Health, Environmental Protection and Conservation, Continuous Improvement, and Full Accountability" as its EHS governance policy. It has established an ISO 45001 Occupational Health and Safety Management System covering all employees, laying an institutional foundation for the Company's safe operation. To ensure implementation, the Company has set up a two-tier EHS Management Committee structure (headquarters and bases), forming a safety management network that is comprehensive horizontally and thorough vertically. This coordinates health risk prevention and safety assurance across all production bases, ensuring the EHS policy moves from text to practice and runs through all production and operation processes.



The Company strictly complies with laws and regulations including the *Labor Law of the People's Republic of China*, *Fire Protection Law of the People's Republic of China*, *Law of the People's Republic of China on the prevention and control of occupational diseases*, and *Law of the People's Republic of China on Work Safety*. It formulates and updates policies and regulations such as the *EHS Management Manual*, *EHS Management Committee Procedure*, *EHS Accident Investigation Management Procedure*, and *Occupational Health Management Procedure* to ensure continuous improvement and effective operation of the work safety management mechanism.

To implement health and safety management responsibilities and ensure cascading accountability, the Company annually sets and releases EHS objectives, targets, and the safety production responsibility system. All production bases met their targets during the Reporting Period. As of the end of the Reporting Period, the Company's occupational health and safety management system achieved **100%** employee coverage, and the coverage rate of ISO 45001 occupational health and safety management system certification for major operating sites also reached **100%**.

Work Safety

The Company routinely advances work safety risk control by formulating the *Hazard Identification and Risk Control Management Procedure*. This specifies at least annual hazard identification, updating, assessment, graded response, and full-process management to systematically reduce work safety risks. In case of significant changes in operational activities or laws and regulations, the hazard list is promptly re-identified and updated. Meanwhile, the Company maintains open internal channels for reporting safety hazards, encouraging employees to proactively report issues via the "Safety Reporter" initiative and motivating their participation in work safety with a sense of ownership.

The Company continuously improves risk prevention and hidden hazard investigation mechanism, shifting safety management from passive response to proactive prevention to effectively reduce accident risks. To enhance emergency response capabilities, it has developed multiple contingency plans, including the *occupational Disease Hazard and Accidents*, to provide standardized guidance for health and safety accident response. An emergency command body is established, equipped with on-site first aid supplies and equipment to ensure efficient handling of urgent occupational health and safety incidents. After accidents, the Company strictly follows the *EHS Accident Investigation Management Procedure*: an investigation team is formed to ascertain the process and causes, preventive measures are developed, rectification is supervised and closed-loop management is achieved.

Safety Incident Reporting and Handling Process

We establish diversified online and offline reporting channels, support anonymous reporting, and strictly enforce confidentiality mechanisms. It follows the standardized process of "acceptance-verification-handling-feedback-archiving", implements a hierarchical and categorized time-bound response mechanism, and advances rectification and accountability in accordance with laws and regulations. For real-name reports, handling results are provided; concealment or omission of reports is strictly prohibited. A traceable closed-loop management system for the entire process is built to ensure standardized, efficient, and fully controllable reporting and handling of safety incidents.

The Company consistently practices a life-first safety development philosophy, guided by policies and driven by innovation, to comprehensively consolidate the foundation of enterprise work safety.

CASE Work Safety Promotion Activities to Fortify the Work Safety Defense Line

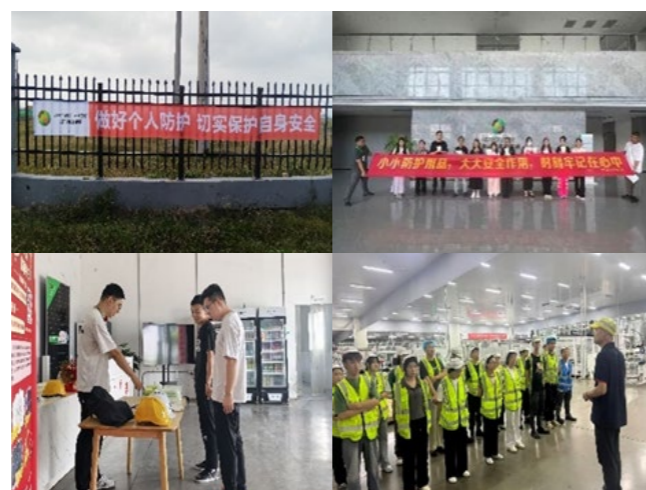
The Company implemented the requirements of national laws including the *Law of the People's Republic of China on Work Safety* and the *Law of the People's Republic of China on the Prevention and Control of Occupational Diseases*. From May to June 2025, it launched a Work Safety Month campaign themed "Everyone Talks About Safety, Everyone Knows How to Respond – Identify Safety Hazards Around You". The campaign was conducted mainly through work safety knowledge training, identification of on-site safety hazards, emergency evacuation drills, ERT skill competitions, team safety culture development, and cross-system audits. A total of 7,481 employees participated in the event. During the campaign, employees demonstrated high enthusiasm and a harmonious atmosphere, continuously deepening their understanding of the importance of work safety.



Work Safety Training Activities

In September of the same year, with the theme "Prevent Risks Before They Occur, Protect You and Me for Safety", it launched an all-employee EHS cultural campaign focusing on the full-process management of labor protective equipment. The activity simultaneously implemented three modules: labor protective equipment knowledge competition, scenario simulation for hidden hazard investigation of labor protective equipment, and labor protective equipment knowledge training. A total of 5,258 employees participated, effectively enhancing their mastery and application of protective equipment knowledge and strengthening vigilance against protection-related hazards.

After the successful conclusion, enthusiastic employee participation and efficient inter-departmental collaboration created a strong safety atmosphere. The event deepened safety knowledge popularization, fostering a safety culture of active participation and positive contribution from all employees.



Work Safety Training Activities

Occupational Health Protection

Based on effectively managing and controlling occupational health and safety risks in the production and manufacturing processes, comprehensively enhances the level of work safety management through multi-dimensional measures, and effectively safeguards employees' occupational health and safety.

- Provide Protective Equipment** Issue targeted personal protective equipment (PPE) that meets local occupational health and safety protection requirements to employees in different positions.
- Ensure Equipment Safety** Install safety devices such as safety detection systems and ventilation systems in positions with occupational health risks; conduct regular inspections and maintenance of equipment to reduce potential safety hazards. Guide and require employees to use safety equipment and carry out production work in accordance with operational specifications.
- Organize Health Examinations** Conduct pre-job, in-job, and post-job health examinations for employees in positions with occupational hazards.
- Prevent Repetitive Strain Injuries** Provide training on preventing repetitive strain injuries to avoid occupational injuries caused by repetitive strain.
- Focus on Physical and Mental Health** Establish an "Employee Home" and launch group sports check-in activities to encourage employees to improve physical fitness and alleviate work pressure. Host mental health lectures to guide employees in properly managing emotional stress.

Core Initiatives for Occupational Health Protection

The Company actively implements occupational health and safety training, having formulated the *EHS Training Management Procedure*, and established and continuously improved its EHS training system. During the Reporting Period, it carried out a series of occupational health promotion activities, including forklift safety training, chemical training, and training on the use of protective equipment. Additionally, to enhance employees' self-protection and self-rescue capabilities as well as their ability to respond to emergencies, the Company organized employees to participate in fire safety knowledge training, fire extinguishing drills, and emergency evacuation exercises.

CASE Fire Safety Culture Campaign

In November 2025, Astronergy responded to the requirements of the national *Fire Protection Law of the People's Republic of China* and the enterprise's primary responsibility indicators for work safety implementation. Focusing on strengthening all employees' fire safety awareness and practical skills, it launched a Fire Month campaign themed "Fire Safety for All, Life Comes First – Safe Use of Fire and Electricity". The activity created a strong atmosphere through a launch meeting, a thousand-people signature event, banners and multimedia publicity. During the period, six key activities were carried out, including fire knowledge competition, online and offline fire safety training, ERT skill competition, emergency evacuation drill, hidden hazard investigation and special cross audit on fire protection. Closely following the fire protection theme, this activity strengthened all employees' fire safety awareness and practical skills through diversified measures, improved the management level of all bases, built a solid emergency defense line for work safety, united the safety consensus of all employees, and provided a solid guarantee for the steady development of the Company.



Fire Safety Knowledge Training

Community Engagement and Charitable Initiatives

CASE Emergency Response Capability Training

In November 2025, to implement the national *Regulation on Emergency Responses to Work Safety Accidents* and relevant work safety management requirements and enhance the Company's emergency response capabilities for unexpected incidents, Astronergy organized fire accident emergency drills across all production bases. A total of 7 drills were conducted, covering 587 participants in aggregate. By simulating real fire scenarios, the drills systematically tested the feasibility and effectiveness of the emergency response plans. The activity effectively strengthened employees' awareness of fire safety prevention, verified the reliability of on-site emergency facilities, improved facility operation skills and overall coordination efficiency, while also enhancing the collaborative response capability between the Company's emergency rescue team and government rescue forces. This provided practical support for the construction of the Company's emergency management system.



Emergency Response Capability Training

EHS Safety Training Implementation

Year	Training Sessions	Total Participants
2023	675	18,666
2024	885	92,071
2025	567	8,490

Emergency Drill Activity Implementation

Year	Drill Sessions	Total Participants
2023	86	3,790
2024	330	8,586
2025	312	6,598

We consistently regard fulfilling social responsibilities as a key dimension of corporate development, deeply integrating public welfare into its corporate culture. Focusing on key social issues such as education support, community care, and rural revitalization, the Company participates in public welfare actions based on actual needs and its capabilities, using genuine, effective measures to give back to society and contribute to a fair, inclusive, and sustainable social development landscape.

We actively respond to national rural revitalization and global sustainable development initiatives. Using the "Solar the Future" public welfare program as a vehicle, it carries out a series of domestic and international public welfare practices through an innovative model of "funding + materials + technology + education". By deeply integrating green energy technology with social responsibility and exerting efforts in both education support and energy access for all, the Company contributes corporate strength to promoting educational equity and green development. During the Reporting Period, the Company's total donations reached RMB 3.6622 million, and the total number of beneficiaries was 695.

CASE Yunnan Nujiang Public Welfare Initiative

In December 2025, Astronergy, in partnership with Zhejiang Astronergy Public Welfare Foundation, launched the "Warm Hometown with Sunshine, Nourish Children's Hearts with Books" public welfare initiative at Shuang Midi Primary School in Fugong County, Nujiang Lisu Autonomous Prefecture, Yunnan Province. The effort included donating ¥500,000 in post-disaster reconstruction funds plus materials (books, sports equipment) and hosting interactive green classrooms. These actions improved local teaching conditions, advanced sustainable rural education, and established a public welfare model of "public-private collaboration and long-term empowerment".



Yunnan Nujiang Public Welfare Initiative

CASE Vietnam PV Donation Project

In April 2025, aligned with global sustainable development goals, Astronergy donated ASTRO N series high-efficiency photovoltaic modules to Tac School in Quang Nam Province, central Vietnam, addressing the power shortage for teachers and students in remote mountainous areas. Adopting a "PV + Education" integration model, the project enabled over 90 teachers and students of the Sedang ethnic group to access stable clean energy, with plans to promote it in multiple Vietnamese locations. This demonstrates the Company's practice of advancing energy equity and social value through technological innovation.



Vietnam PV Donation Project

Craft Innovation, Craft Excellence

Response Issues

Sci-tech Innovation

Opportunities in Clean Tech

Product Quality and Safety

Customer Relationship Management

Sustainable Supply Chain

Astronergy adheres to innovation-driven high-quality development. By continuously strengthening technological innovation capabilities, improving the product quality management system, enhancing customer relationship management, and advancing sustainable supply chain management, the Company steadily enhances its innovation value and industry impact, contributing to green and low-carbon development.

Respond UN SDGs



Sci-tech Innovation

Astronergy adheres to innovation-driven development, continuously strengthening research and development capabilities, improving intellectual property protection and utilization mechanisms, actively participating in industry standard development, and deepening collaborative innovation to build technological advantages and sustain innovation-driven growth.

Research and Development Innovation

Astronergy has established research and development management systems such as the *Management Measures for Design, Development and Introduction of Crystalline Silicon New Products*, continuously optimizing its research and development management framework. During the Reporting Period, the Company updated the *Technical Drawing Specifications* and introduced the *TPD Technology Platform Development Process*, further enhancing standardization and collaboration efficiency across the full research and development lifecycle, including product development, technology platform construction, and research and development services.

The Company continuously optimizes the R&D management system, focusing on six key modules—cell research and development, module research and development, cutting-edge technology, product engineering, scientific and technological projects, and intellectual property—to drive R&D innovation. The responsibilities of each module are clearly defined, and the product R&D management process is standardized. The Company continues to promote coordinated collaboration among its research institute, laboratories, technology innovation center, manufacturing innovation center, and industrial innovation center, among other innovation platforms. It actively engages in domestic and international scientific and technological cooperation and exchanges, working with universities and research institutions such as Shanghai Jiao Tong University, Zhejiang University, and the University of New South Wales to explore the integration model of "industry-academia-research", integrate innovation resources, and promote the coordinated development of R&D innovation and talent cultivation. In 2025, the Company was officially recognized as a Provincial Key Enterprise Research Institute in Zhejiang Province.

As of the end of the Reporting Period, Astronergy had a total of 291 research and development and technical personnel, including 8 PhDs and 62 master's degree holders. Employees with a bachelor's degree or above accounted for 72.16%, including 11 senior engineers, 52 intermediate engineers, and 55 assistant engineers.

CASE Technology and R&D Training

In 2025, Astronergy established a systematic technical research and development training system. During the Reporting Period, the Company delivered 20 internal and external training courses focusing on management capabilities, professional skills, and knowledge development. A diversified instructor team, including two invited professors and 17 internal technical experts, ensured practical and advanced content. A total of 840 participant attendances were recorded, strengthening research and development talent development and supporting technological innovation.

Astronergy is committed to becoming the world's most competitive supplier of PV modules. The Company focuses on technologies such as TOPCon cells, XBC cells, tandem cells, and OBB modules, continuously advancing technology development, patent portfolio building, and collaborative innovation to strengthen its independent innovation capabilities. During the Reporting Period, Astronergy cumulatively initiated 13 R&D projects, with steadily improved commercialization outcomes and a conversion rate of 61.54%.

Issue	Sustainability Strategy Targets	2025 Progress
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Product Quality and Safety

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Short-term Targets (by 2025)</p> <ul style="list-style-type: none"> Product supervision and sampling inspection pass rate: 100% Pass rate in external audits: 100% Number of major quality and safety incidents: 0 | <ul style="list-style-type: none"> Product supervision and sampling inspection pass rate: 100% Pass rate in external audits: 100% Number of major quality and safety incidents: 0 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Sustainable Supply Chain

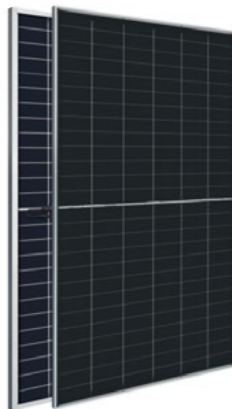
- | | |
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| <p>Short-term Targets (by 2028)</p> <ul style="list-style-type: none"> 100% of core suppliers accept due diligence audit and assessment in social and environmental standards 100% non-involvement in conflict minerals procurement and use <p>Medium and Long-term Targets (by 2035)</p> <ul style="list-style-type: none"> 100% core suppliers obtained ISO 45001 certification 100% core suppliers obtained ISO 14001 certification | <ul style="list-style-type: none"> 100% of core suppliers accept due diligence audit and assessment in social and environmental standards 100% non-involvement in conflict minerals procurement and use 100% core suppliers obtained ISO 45001 certification 100% core suppliers obtained ISO 14001 certification |
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ASTRO N7-78

The ASTRO N7-78 module is designed based on 210 mm × 182 mm rectangular silicon wafers. By rotating the 210R wafers by 90° for layout optimization, it integrates the advantages of two standard sizes—2,384 × 1,303 mm and 2,465 × 1,134

mm—ensuring compatibility with mainstream mounting structures and inverter systems in China while avoiding risks associated with non-standard dimensions.



ASTRO N7-78 Anti-dust Module

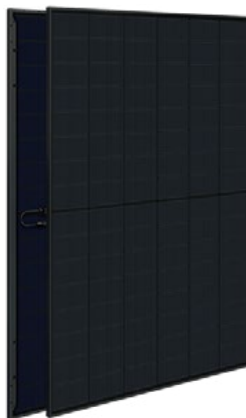
While maintaining high power output, the module adopts a short-frame and thin-A design, enabling dynamic self-cleaning driven by natural rainfall under low-tilt conditions, significantly reducing dust accumulation and power loss. It eliminates the need for additional drainage clips during installation, reducing material and labor costs. During operation, it lowers cleaning frequency, mitigates hotspot and fire risks, and extends module lifespan. The product was awarded the Second Prize in the BRICS Industrial Innovation Contest 2025.



ASTRO N7s 2.0

Based on the latest TOPCon 5.0 cell technology, ASTRO N7s 2.0 utilizes rectangular silicon wafers and integrates technologies such as ZBB and black film to enhance efficiency and reliability. The 48-cell full-black module delivers up to 470 W with an efficiency of 23.5%. Featuring a front-side ZBB design without PAD points, along with aesthetic glass, black frame, and full-black cells, it offers a clean and integrated appearance

tailored to overseas residential PV applications. With a module area of less than 2 m², it supports single-person handling and installation, providing advantages in lightweight design, efficiency, quality, and aesthetics.



ASTRO N7 2.0

Built on the latest TOPCon 5.0 cell technology, ASTRO N7 2.0 incorporates advanced technologies such as ASP and PF, achieving a 0.4%–0.55% efficiency improvement compared to TOPCon 4.0. By integrating ZBB, ultra-dense busbars, and light redirecting film, the module achieves a maximum power output of 650 W and an efficiency of 24.1%, maintaining industry-leading performance. The product was awarded the 2025 Gold Award for PV and Energy Storage Products.



In 2025, Astronergy received multiple industry and governmental recognitions in recognition of its continuous innovation and strong R&D capabilities in photovoltaic technologies.

Honor / Certification Name	Awarded Product	Awarding Organization	Level
Zhejiang Provincial Key Enterprise Research Institute	High-performance photovoltaic cell modules	Economy and Information Technology Department of Zhejiang	Provincial
Zhejiang Manufacturing Single Champion	High-efficiency n-type passivated contact (TOPCon) cell modules	Economy and Information Technology Department of Zhejiang	Provincial
Zhejiang Innovation Consortium	High-efficiency photovoltaic cell innovation consortium	Department of Science and Technology of Zhejiang Province	Provincial
First Set Equipment in Zhejiang Province	Large-size high-efficiency n-type corrosion-resistant intelligent photovoltaic module system equipment	Economy and Information Technology Department of Zhejiang	Provincial
7th PV Golden Leopard Award (2025)	ASTRO N7s ZBB-TOPCon module	PV Golden Leopard Award Organizing Committee	Industry Association
First Prize of the 5th China Association for the Promotion of Science and Technology Commercialization Science and Technology Award	Core technologies and applications of key manufacturing process control for high-efficiency busbar-free photovoltaic modules	China Society for the Promotion of Science and Technology Commercialization	Industry Association
Jiaxing Pilot-scale Testing Platform	/	Jiaxing Municipal Bureau of Economy and Information Technology	Municipal

Intellectual Property Management

Astronergy adheres to an innovation-driven approach, continuously improving its intellectual property management system and promoting the deep integration of intellectual property management with technological R&D, commercialization of achievements, and business operations, thereby enhancing the protection and utilization of innovation outcomes.

During the Reporting Period, in accordance with *GB/T 29490-2023 Requirements for Enterprise Intellectual Property Compliance Management Systems* and the ISO 56005 innovation management standard, the Company updated internal policies including the *Intellectual Property Manual*, the *Confidentiality Management*, the *Patent and Software Copyright Management*, and the *Technological Paper Management*. Covering the full lifecycle of intellectual property creation, application, maintenance, utilization, and protection, Astronergy has strengthened its end-to-end intellectual property management framework and continuously consolidated its management foundation.

The Company continues to advance its patent portfolio deployment in key areas such as TOPCon cells, XBC cells, tandem cells, and OBB modules, adhering to the principle of "patents precede product launch", ensuring that core product technologies are fully supported by intellectual property. During the Reporting Period, Astronergy actively pursued patent applications both domestically and internationally, with a focus on key overseas markets including the United States, Europe, and Australia. In 2025, the Company filed a total of four PCT patent applications and 18 national patent applications, covering key technologies such as TOPCon, ZBB module technology, BC technology, and perovskites.

Key Innovative Products in 2025

To further enhance professional capabilities and global intellectual property management standards, and to strengthen intellectual property protection awareness, Astronergy organized a series of intellectual property management training programs. Topics included *European Customs Intellectual Property Protection, Patent Search Techniques, and Overseas Patent Applications of Chinese Enterprises and Case Analysis*, helping employees gain a deeper understanding of international intellectual property policies and practical operations. In addition, the Company actively participated in public training programs organized by the Group, such as *Overseas Intellectual Property Protection and Application of AI in Patent Search*, continuously improving employees' professional competence and global perspective to ensure the efficient implementation of intellectual property management.



European Customs Intellectual Property Rights (IPR) Protection Training

Astronergy continues to advance the development and operation of its intellectual property management system, further improving the standardization and professionalism of intellectual property management. In November 2025, the Company successfully obtained certification under the *Innovation Management - Intellectual Property Management Guidelines (ISO 56005:2020)*, achieving Level 3 certification in innovation and intellectual property management capability, and also passed certification under the updated GB/T 29490-2023 standard.

In 2025, Astronergy obtained a total of 153 patents, including 18 invention patents, 133 utility model patents, and 2 design patents.



Innovation and Intellectual Property Management Capability Certificate (Level 3) based on ISO 56005



Intellectual Property Compliance Management System Certificate

Standard Development

Astronergy continues to actively participate in the standardization of the photovoltaic industry. Leveraging extensive experience in standard development and revision, the Company contributes professional expertise to promote standardized industry development and technological advancement through leading and participating in standards at various levels. As of the end of 2025, Astronergy has participated in the development of 4 international standards, 19 national standards, 11 industry standards, and 102 group standards, including leading 1 international standard and 22 group standards.

Standard Type	Key Statistics	
	Published	In preparation
International Standards	3	1
National Standards	15	4
Industry Standards	6	5
Group Standards	64	38
Grand Total	88	48
	136	

Industry Cooperation

Astronergy upholds an open and collaborative approach, actively participating in industry associations, collaborative initiatives, and technical exchanges. By working closely with partners across the value chain, the Company promotes technological advancement and collaborative innovation, supporting the green and efficient development of the PV industry.

List of Industry Associations

Association Name	Membership Tier
United Nations Global Compact (UNGC)	Participants
SolarPower Europe (SPE)	Premium
German Solar Association	Member
Solar Energy Industries Association (SEIA)	Kilowatt member
Solar Stewardship Initiative (SSI)	Manufacturer Member
Japan Photovoltaic Energy Association	Member
SEMI SCC & ECOPV Cooperation Alliance	Core Member
China Resources Recycling Association	Governing Unit
China Photovoltaic Industry Association (CPIA)	Member
PV Committee of China Green Supply Chain Alliance	Deputy Director

Obtained a total of **153** patents

Invention patents **18**

Utility model patents **133**

Design patents **2**

Product Quality and Safety

Key Cooperation Projects in 2025

Project	Partner	Project Category
Development and application validation of high-speed, high-contrast perspective imaging sensitive components and sensors	Iray Group	National Key R&D Program
Key technologies and equipment for green recycling and resource utilization of retired crystalline silicon PV modules	ZJMI Environmental Energy Co.,Ltd.	Department of Science and Technology of Zhejiang Province "Pioneer and Leading Goose + X" Science and Technology Program
Research on ultra-lightweight PV module integration technology and its application in facility agriculture	Zhejiang Bofei Electric Co., Ltd.; Zhejiang Shengjie Titanium Industry Technology Co., Ltd.; Haining Institute of Product Quality Inspection and Testing	Haining Collaborative Innovation Project
Development and industrialization of X-ray equipment technology for PV module inspection	iRay Imaging Technology (Haining) Ltd.	Haining Collaborative Innovation Project
Research on high-efficiency solar cell technologies	Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences	Technical Cooperation Project
Application research on wide-bandgap perovskite solar cells prepared by co-evaporation method	Wenzhou Institute of Advanced Manufacturing, Huazhong University of Science and Technology	Technical Cooperation Project

CASE Astronergy Showcased at the BloombergNEF (BNEF) Summit London 2025

In October 2025, Astronergy was invited to attend the BloombergNEF (BNEF) Summit London 2025, where it participated in roundtable discussions and delivered a thematic presentation, sharing practical insights on topics including energy system flexibility, clean energy investment, and energy transition. Drawing on its overseas project experience, the Company presented its exploration in high-performance PV module R&D, digital empowerment, and the enhancement of system flexibility. It also highlighted the comprehensive advantages of the ASTRO N series modules in terms of power generation efficiency, reliability, and full lifecycle value, further demonstrating Astronergy's innovation capabilities and collaborative value in advancing the global energy transition.



CASE Astronergy Showcased at SNEC PV+ 2025

In June 2025, Astronergy showcased its products at the 18th International Photovoltaic Power Generation and Smart Energy Conference & Exhibition (SNEC PV+) in Shanghai. During the exhibition, the Company's ASTRO N series modules were recognized for their outstanding performance in quality, efficiency, and reliability, receiving the 2025 "Overall Highest Achiever" award in the PV module manufacturing category from the internationally recognized third-party testing organization, the Renewable Energy Test Center (RETC). In addition, Astronergy was named a 2025 "Top Performer" by the third-party testing laboratory Kiwa PV Evolution Labs (PVEL) for the ninth consecutive time, further demonstrating its global leadership in PV module reliability and performance.



Astronergy regards product quality and safety as the foundation of stable operations and long-term development. We continuously improve the quality governance structure, define quality management strategies, strengthen quality risk identification and control, and enhance the management of quality indicators and targets to deliver stable, reliable, and high-quality photovoltaic products.

Governance

Astronergy has established a comprehensive product quality and safety governance structure. A Quality Risk Management Committee, led by the President and composed of executive management members, has been set up, with a "one-vote veto" mechanism for major quality incidents. A Quality Risk Management Working Group is also established, led by the Vice President in charge of quality and comprising heads of business departments, with the Quality Management Department responsible for centralized management to ensure quality risk control is embedded throughout daily operations.

In 2025, the Company continuously optimized its quality management organizational structure by adding dedicated quality functions at each base, strengthening headquarters coordination, professional support, and base-level collaboration, and further enhancing the coordination and execution of quality risk management.

Governance Level

Quality Risk Management Committee

- A quality risk leadership body led by the President and composed of executive management members, chaired by the Vice President in charge of quality.
- The highest decision-making body for quality risk management, with a "one-vote veto" mechanism for major quality incidents.

Management Level

Quality Risk Working Group

- Responsible for formulating emergency plans for quality risk information/events, and organizing the investigation and handling of quality risk incidents.
- Responsible for establishing a special task force for external supervision and inspection, coordinating testing arrangements and information sharing with external supervisory bodies, and overseeing the implementation of product supervision and inspection.
- Responsible for determining the grading of quality risk incidents and penalties for responsible personnel, and reporting to the Quality Risk Management Committee and the Group Technology and Quality Committee as required.

Executive Level

The Quality Management Department serves as the centralized department for quality risk management

- Responsible for establishing and continuously improving the quality risk management system, and organizing quality risk prevention activities.
- Responsible for addressing major quality risk issues from the previous year, defining targeted improvement initiatives, and monitoring progress and outcomes.
- Responsible for managing and closing risks related to product quality, customer complaints, application of new materials, new processes, and new technologies ("three new"), as well as key product characteristics testing and reliability testing.

Product Quality Risk Governance Structure

Strategy

Product quality and safety are fundamental to Astronergy's stable operations and high-quality development. The Company dynamically identifies and analyzes related risks and opportunities, assesses their potential impacts on business operations and financial performance, and continuously improves management mechanisms and response measures accordingly.

The Company defines impacts that may arise within one year as short-term, those within one to five years as medium-term, and those beyond five years as long-term.

Analysis Results of Risks, Opportunities, and Impacts

Identification and Assessment of Potential Risks

Risk Point	Risk Description	Timeframe	Business Impact	Financial Impact
Quality risks in new product introduction	During new product development, validation, and introduction, insufficient front-end risk identification, design evaluation, or standard control may lead to latent defects emerging in mass production or delivery, affecting product quality stability and customer experience	Short-, medium-, and long-term	May affect the pace of new product introduction and the stability of mass production, placing higher requirements on coordination across R&D, manufacturing, and delivery	<ul style="list-style-type: none"> Increased R&D investment Increased operating costs
Supply chain quality risks	Unstable quality of raw materials or key components, or inadequate supplier process control, may affect product consistency, reliability, and manufacturing stability, thereby increasing the risk of quality issues	Short-, medium-, and long-term	Increase the complexity of procurement quality management and supply chain coordination, potentially affecting production efficiency and product quality performance	<ul style="list-style-type: none"> Increased operating costs Increased administrative expenses
Quality risks in production and delivery	During production, inspection, and product delivery, inadequate process control, exception handling, key process monitoring, or customer requirement identification may lead to quality deviations, customer complaints, or even recall risks	Short-, medium-, and long-term	May affect product yield, delivery quality, and customer satisfaction, placing higher requirements on quality management, delivery assurance, and after-sales response capabilities	<ul style="list-style-type: none"> Increased operating costs Increased administrative expenses Increased non-operating expenses

Identification and Assessment of Opportunities

Opportunity Point	Opportunity Description	Timeframe	Business Impact	Financial Impact
Brand and Market Opportunities	As customers place increasing emphasis on the reliability, safety, and lifecycle value of photovoltaic products, companies with strong quality management capabilities, comprehensive certification systems, and solid customer performance are more likely to gain market recognition	Short-, medium-, and long-term	Contribute to enhancing brand image, strengthening customer trust, and improving market competitiveness, while reinforcing the Company's capabilities in global market expansion and collaboration	<ul style="list-style-type: none"> Increased operating revenue Reduced selling expenses

Impacts, Risks and Opportunities Management

To effectively address product quality and safety-related risks, Astronergy continuously improves quality risk prevention and control mechanisms across the full product lifecycle, focusing on new product quality, supplier quality, process quality, delivery quality, and external supervision and inspection.

Continuously strengthen quality planning and risk identification in the new product development stage, front-loading quality management requirements into R&D through design evaluation and standard enhancement to improve quality assurance in new product introduction

Continuously optimize non-conforming product management and non-conformity handling processes, strengthen key process monitoring and error-proofing, and carry out targeted improvements for major quality issues to enhance process stability and standardization

Strengthen customer requirement identification and delivery risk assessment, conduct risk anticipation and control for key scenarios such as product acceptance and project delivery, ensuring on-time delivery and compliance with quality requirements

Strengthen supplier quality control for key categories and critical raw materials, continuously enhancing quality constraints and risk prevention through quality agreements, change control, and supervision and inspection



Establish an external quality risk monitoring system, tracking information released by market supervision authorities and relevant government departments at home and abroad, supervision and inspection updates, and standard revisions issued by industry associations, to promptly identify risks and effectively respond to external inspections

Quality Risk Prevention and Control Mechanism Across the Full Product Lifecycle

Management Strategy

To effectively address product quality and safety-related risks, Astronergy focuses on key areas such as quality inspection and auditing, full-process digital quality control, and quality culture development, continuously strengthening quality management capabilities and enhancing overall product quality and safety management.

Quality Management System Construction

The Company has established quality management policies such as the *Quality Manual*, the *Module Manufacturing Process Quality Management*, and the *Non-conforming Product Management*, continuously strengthening the foundation of product quality management. During the Reporting Period, in line with organizational restructuring, the introduction of the intellectual property management system, and operational practices of various departments, the Company revised documents including the *QCC Activity Management*, the *Internal Audit Management Procedure*, and the *Customer Audit Management Specification*, further improving the quality management system.

Full-process Digital Quality Management

In 2025, Astronergy continued to advance the digitalization of quality management. Leveraging the QMS, the Company launched multiple digital applications covering key areas such as new product project management, supplier quality management, non-conforming product control, inspection and audit, OEM product delivery, customer complaint handling, and testing management, enhancing transparency, coordination efficiency, and refined management. At the same time, the Company strengthened digital monitoring and analysis of key process indicators, quality costs, and static and dynamic production data, driving continuous improvement in quality management.

Meanwhile, Astronergy continues to advance the application of "AI+" in intelligent manufacturing. By introducing advanced AI technologies, the Company enhances automation and intelligence in production processes. AI has been widely applied in key areas such as photovoltaic manufacturing quality inspection, further improving product quality assurance and production efficiency.

CASE AI-based Defect Detection

As the first PV manufacturing enterprise in the industry to implement AI-based automatic defect detection, Astronergy continues to deepen the application of AI-driven defect inspection, focusing on key scenarios such as defect identification, quality control, and information traceability in the PV module production process. Leveraging AI visual recognition and deep learning algorithms, the Company has realized efficient identification and precise control of more than 50 types of product defects. The intelligent inspection coverage at the module level has reached 92%, with a detection accuracy of 99.7%. Achieving 100% online inspection across key processes, Astronergy has reduced labor requirements by 50% in pre-lamination electroluminescence (EL) inspection and by approximately 80% in post-lamination appearance inspection, effectively enhancing critical defect interception capabilities and full-process quality traceability.

Quality Inspection and Audit

Astronergy continuously conducts product quality and safety inspections and audits. Focusing on product quality, customer complaints, operational compliance, and quality improvement, the Company regularly carries out internal audits across all bases to identify improvement areas and drive optimization. During the Reporting Period, quality audits and targeted improvement initiatives were conducted for both module and cell sides, covering process and finished products, further strengthening product quality and safety assurance.

<div style="background-color: #4a5568; color: white; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> Module side </div>	<ul style="list-style-type: none"> Conducted four audits in 2025 on a quarterly basis Audit results show a downward trend in critical non-conformities and quality critical issues, with improvements in EL pass rate, appearance pass rate, and IV calibration pass rate compared with the previous year Targeted improvements were carried out for key issues, including adhesive-related defects and nameplate management 	<div style="background-color: #4a5568; color: white; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> Cell side </div>
	<ul style="list-style-type: none"> Conducted four quarterly audits in 2025 Non-conformities, quality red-line issues, and key process control non-conformities decreased by 39%, 80%, and 43% year-on-year, with overall product quality significantly improved Based on key issues identified in audits, the Company continuously improved the reliability prevention system, standardized change management, and carried out targeted improvements 	

Quality Culture Development

Astronergy continues to promote quality culture development. Through regular monthly training and leveraging the Quality Academy, the Company advances quality knowledge and tool application, enhancing employees' quality awareness and professional capabilities. During the Reporting Period, a total of 82 online and offline quality training sessions were conducted, with 8,797 participations and an average satisfaction score of 4.96 out of 5, further extending quality awareness across all employees and processes.

CASE Quality Academy Training

In 2025, Astronergy delivered quality-focused training across departments through the "Quality Academy", covering FMEA practices, traceability management, laboratory management system standards, module reliability testing, product carbon footprint management, and change management. These efforts continuously enhanced employees' quality awareness and application of quality tools, further strengthening a company-wide quality culture.

To promptly identify and address quality defects or safety risks in delivered products, Astronergy has established systems such as the *Module Customer Complaints and Feedback Management Specifications* and the *Global Module Manufacturing Product Recall Management Specifications*, clarifying recall criteria, procedures, and responsibilities. Recall actions are led by the Quality Management Department, in coordination with technical, R&D, and manufacturing teams to conduct root cause analysis, risk investigation, corrective verification, and returned product handling, while working with sales and marketing teams for customer communication and impact control, ensuring closed-loop management. During the Reporting Period, no recall incidents occurred.

Indicators and Targets

Astronergy has established clear quality management targets, continuously improved the product quality and safety management system, and strengthened the foundation of quality management through system certifications and supervisory audits.

During the Reporting Period, the Company successfully completed ISO 9001 Quality Management System certification, covering 12 entities. In addition, the Company continued to advance the IEC 62941 Photovoltaic Module Manufacturing Quality System certification, with all certified entities successfully passing surveillance audits in 2025, covering 6 entities and further strengthening quality assurance across the full product lifecycle.

During the Reporting Period, the Company did not experience any material product quality or safety incidents.

Targets	Progress in 2025
Product supervision inspection pass rate: 100%	100%
External audit pass rate: 100%	100%
Number of major quality and safety incidents: 0	0

Customer Relationship Management

Astronergy adheres to a customer-centric approach, continuously strengthening customer service management and responsible marketing, improving service quality, optimizing customer experience, and standardizing marketing communications to protect customers' legitimate rights and interests.

Customer Service Management

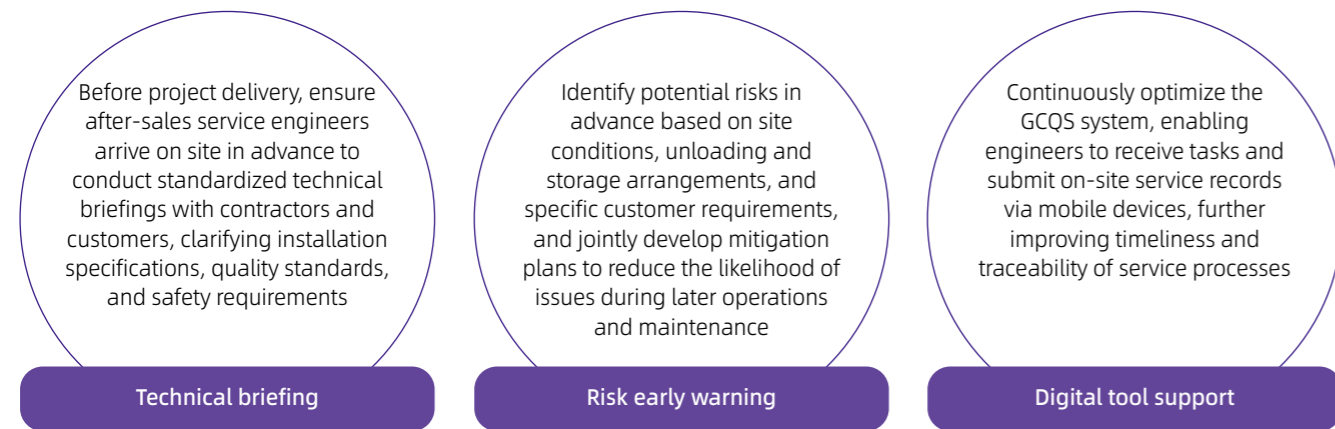
Astronergy has established internal policies such as the *After-Sales Service Management Specifications* and the *Module Customer Complaints and Feedback Management Specifications*, continuously strengthening the foundation of customer service management. During the Reporting Period, the Company launched the Global Customer Quality Service System (GCQS), enabling customers to submit issues online, track processing progress, and access service results. Simultaneously, the after-sales service official website provides functions such as SN inquiry and knowledge base search, continuously improving after-sales service efficiency and customer experience.

Astronergy continues to improve the response mechanisms and handling processes for customer feedback and complaints, establishing a multi-channel, tiered customer complaint management system. Customer issues are mainly received through sales interfaces, the GCQS system, after-sales service hotlines, and the Group's 400 hotline. For different levels of complaints, differentiated response mechanisms are in place, requiring responses within one working day and setting timelines for preliminary root cause analysis and solution development to enhance timeliness and standardization in issue resolution.

To continuously improve service quality and customer experience, Astronergy has implemented multiple initiatives focusing on enhancing service capabilities, customer audits, and customer satisfaction surveys, optimizing service processes, strengthening closed-loop management, and driving effective conversion of customer feedback into improvements.

Customer Service Capability Enhancement Program

In 2025, Astronergy continued to enhance customer service capabilities, optimizing service management in areas such as pre-delivery technical disclosure, risk prevention, and digital tool support.



Customer Service Capability Enhancement Program

Customer Audits

In 2025, Astronergy actively underwent customer and third-party audits, continuously improving customer service and product delivery management. During the Reporting Period, the Company received 81 customer audits, covering supplier onboarding, annual audits, pre-production audits, ESG audits, and product traceability audits. A total of 592 issues requiring rectification were identified in 2025 and all have been resolved under closed-loop management. Through these audits, the Company continuously identifies improvement areas, drives corrective actions and process optimization, and strengthens customer trust and service assurance.

Customer Satisfaction Survey

Astronergy strictly follows internal policies such as the *Customer Satisfaction Survey and Evaluation Management*, systematically conducting annual customer satisfaction surveys to identify customer needs and expectations. Survey results are fed back to relevant departments to drive issue analysis and improvement, continuously enhancing customer experience and service management.

During the Reporting Period, the Company conducted surveys across dimensions including product quality, service quality, logistics quality, brand influence, environmental satisfaction, and overall satisfaction, covering both project-based and distribution customers. The overall customer satisfaction score reached 96.49 points.

Responsible Marketing

Astronergy strictly complies with the *Advertising Law of the People's Republic of China* and the *Law of the People's Republic of China on the Protection of Consumers' Rights and Interests*, as well as other relevant laws and regulations. In accordance with internal policies such as the *Brand Management Policy*, the *News and Publicity Management Policy*, and the *Public Opinion Management Policy*, the Company continuously standardizes its brand communication, news publicity, and public opinion management practices.

The Company continuously strengthens responsible marketing management. Through measures such as public opinion risk control, brand communication and promotion, pre-exhibition training, and column guidance, Astronergy enhances employees' compliance awareness and standardization of brand communication. During the Reporting Period, Astronergy did not experience any violations related to product and service information and labeling, nor any violations related to marketing communications, with a 100% coverage rate for product information and labeling.

Public opinion risk control

Regularly organize public opinion risk control training for all employees, helping them understand evolving public opinion dynamics, master standardized emergency response procedures, and enhance awareness of responsible marketing

Pre-exhibition training

Before major marketing events and exhibitions, conduct joint training with relevant departments on external communication and on-site response, ensuring accurate and consistent information delivery



Brand communication and promotion

Distribute brand manual guidelines and monthly brand highlights to all employees via company email, continuously strengthening standardized brand communication awareness

Column guidance

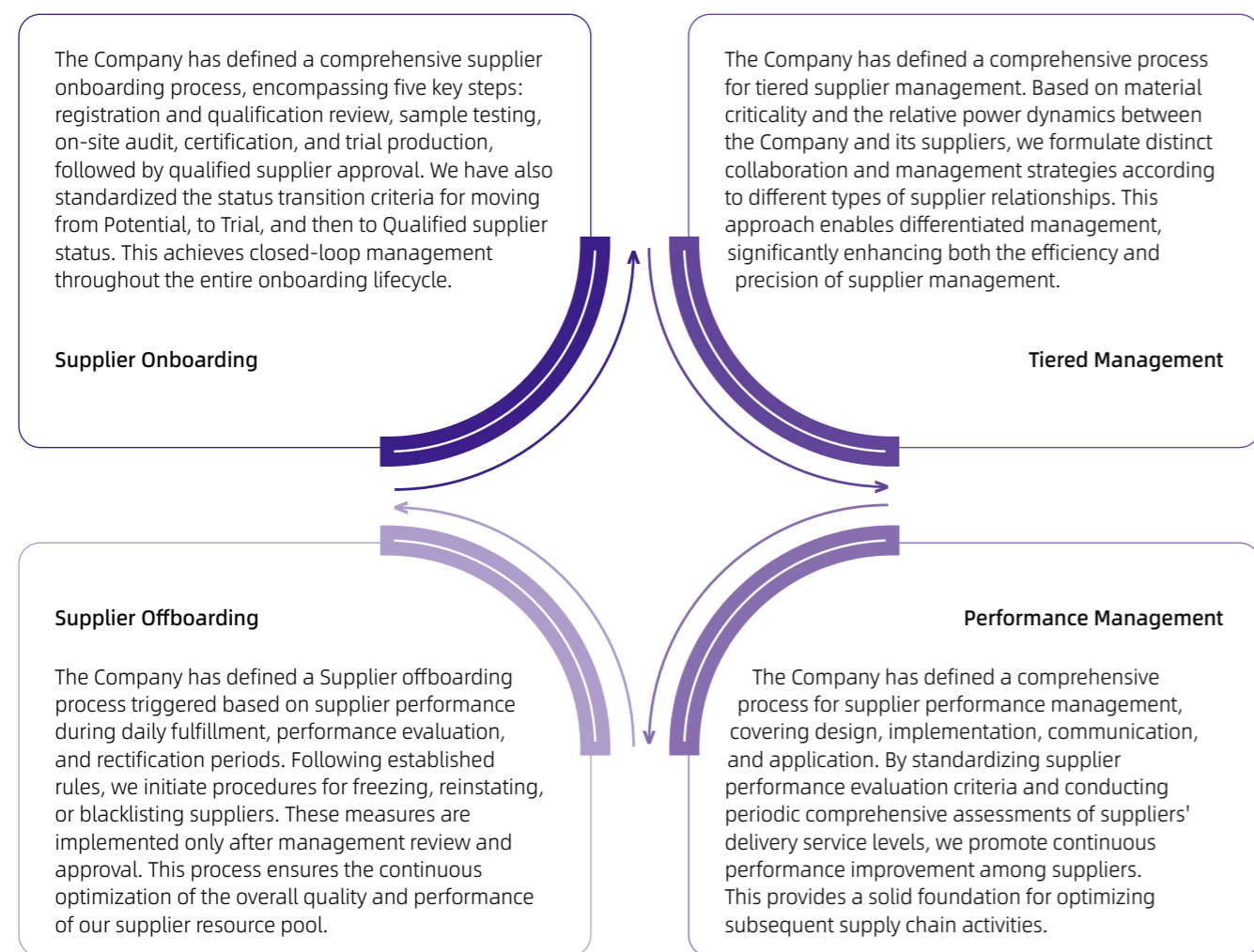
Promote exemplary employee stories through the *Chasing the Light* column, leveraging role models to enhance employees' awareness of responsible marketing

Sustainable Supply Chain

Supplier Management System

The Company continuously refines its supplier management system, formulating and implementing policies such as the *Supplier Management* and the *Supplier Management Methods*. By establishing a standardized, closed-loop management framework, we drive the steady improvement of our overall supply chain management capabilities.

The Company has established a well-defined and standardized supplier management process, covering the entire supplier lifecycle from onboarding and cooperation to performance evaluation and offboarding, ensuring that all stages are controllable, compliant, and efficient. During the reporting period, the Company upgraded its supplier management process by adding 14 new process nodes, further optimizing management granularity and operational efficiency.



Supplier Risk Identification

The Company has formulated the *Measures for Managing Supplier Risks*, systematically conducting risk identification, assessment, control, and ongoing monitoring across key dimensions such as supply risk, quality risk, technology risk, safety and environmental (HSE) risk, contract risk, financial risk, and ESG risk. This mechanism effectively mitigates the potential impact of various risks on business operations and development, ensuring stable operations and sustainable growth. We assess the likelihood and impact of supply chain risks, define corresponding risk management strategies, and establish a supply chain risk register to inform decision-making. During the reporting period, we completed risk assessment reports for 29 suppliers.

Supplier Audit and Assessment

We continuously communicate ESG compliance requirements and expectations to our suppliers, maintaining a systematic audit and assessment framework. We conduct audits or evaluations across multiple dimensions—including commercial, technical, quality, and ESG factors—to ensure that all cooperation fully aligns with the Company's sustainability standards.

The Company implements tiered management based on supplier categories, classifying suppliers into Class A, B, and C. We have established unified evaluation criteria to ensure objective and impartial assessments. Suppliers failing to meet audit standards are required to rectify issues within a specified timeframe. If non-compliance persists after rectification, we enforce the exit mechanism to safeguard the overall quality and sustainability of the supply chain.

<p>During the reporting period, a total of 54 suppliers were audited, covering core materials such as modules, cells, and main raw materials</p>	<p>As of the end of the reporting period, the percentage of major raw material suppliers that have undergone Corporate Social Responsibility (CSR) assessments reached</p> <p>100%</p>	<p>The percentage of those that have conducted environmental impact assessments also reached</p> <p>100%</p>
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Supplier Communication & Engagement

Astronergy remains committed to advancing alongside suppliers through shared development, providing partners with comprehensive empowerment and support. Through on-site inspections, specialized skill training, and annual supplier conferences, we have established an efficient and open platform for communication and interaction. Via regular exchanges and deep collaboration, Astronergy precisely identifies the developmental needs of suppliers. Together, we pinpoint pain points, optimize processes, and formulate pragmatic improvement plans and cooperative initiatives. These efforts break away from the traditional siloed management model, shifting the relationship from fragmented to close coordination, and from one-way management to two-way empowerment. This achieves high-efficiency synergy and holistic upgrading across the entire supply chain, laying a solid foundation for high-quality industrial development.



Conflict Minerals Management

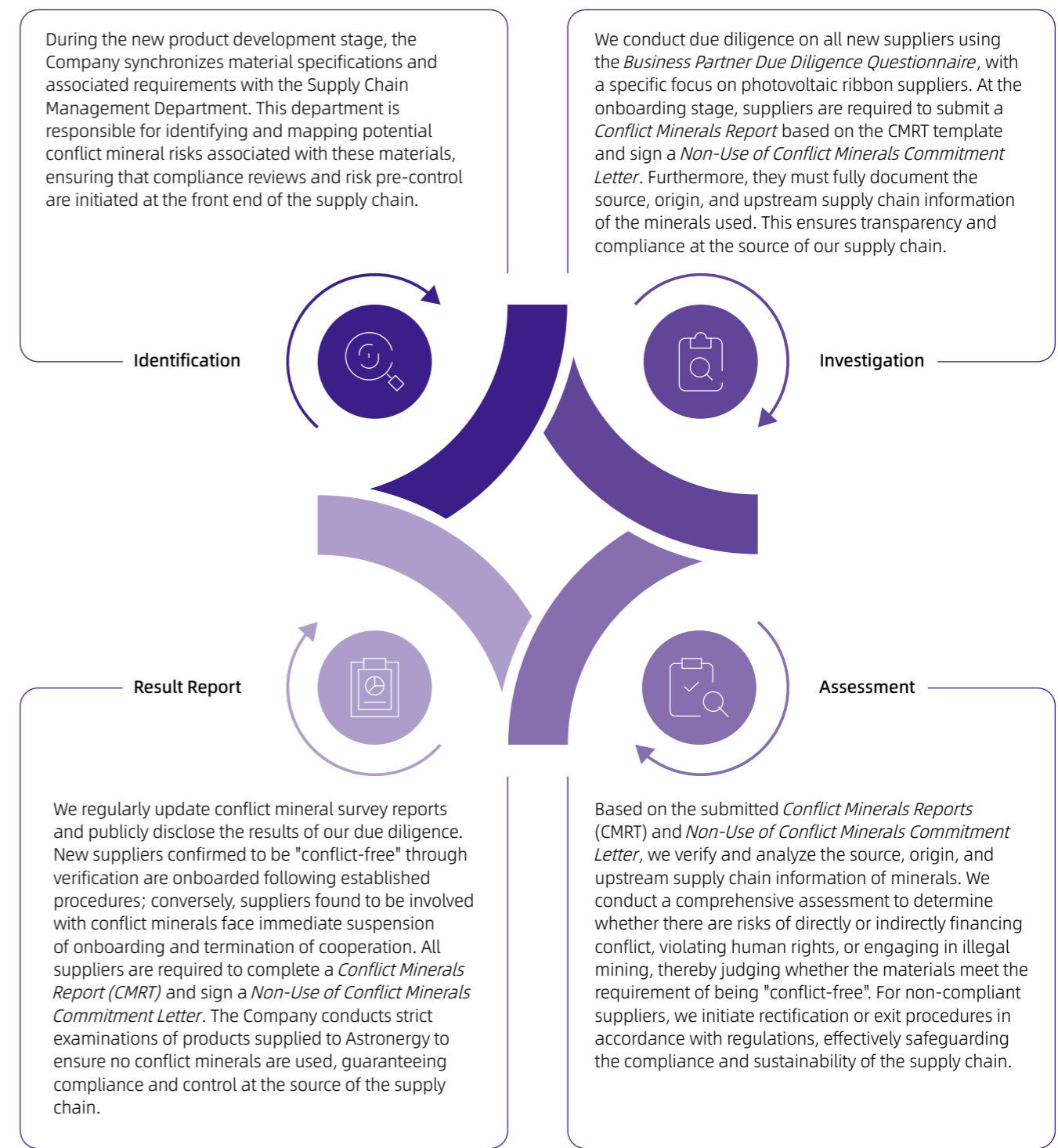
Astronergy strictly complies with the *UN Global Compact*, the *OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (Third Edition)*, the *Chinese Due Diligence Guidelines for Mineral Supply Chain (Second Edition)*, *Section 1502 of the U.S. Dodd-Frank Act*, the *EU Conflict Minerals Regulation*, and the ESG and Traceability Standards of the *Solar Stewardship Initiative (SSI)*.

We have established the goal of "Zero Conflict Minerals Procurement and Use". Astronergy does not procure or utilize any minerals that directly or indirectly finance conflict, violate human rights, or originate from illegal mining. This commitment covers 3TG minerals (tin, tantalum, tungsten, gold) as well as silicon materials, ensuring that our business activities do not contribute to conflict, human rights abuses, or environmental degradation.

Our conflict minerals governance is overseen by the Board of Directors, which serves as the highest decision-making and supervisory body. The Board is responsible for approving the *Responsible Mineral Procurement Policy* and directing related management efforts. The Supply Chain Management Department implements the Board's guidance by establishing and refining a regular review mechanism. Aligned with the standards of the *Solar Stewardship Initiative (SSI)*, evolving laws and regulations, and the Company's operational realities, we continuously assess and optimize the applicability, adequacy, and effectiveness of our policy. This ensures the system operates robustly, compliantly, and with forward-looking sustainable development capabilities.

In 2025, we continued to refine our conflict minerals policy framework by formulating and releasing the *Responsible Mineral Procurement Policy*. Building on the existing scope of due diligence, we expanded the coverage of mineral types from the previously disclosed "3TG" minerals (tin, tantalum, tungsten, gold) to include silicon materials. This extension achieves more comprehensive risk management and control over the core raw materials of the photovoltaic industry.

We require all suppliers to strictly adhere to the *OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas* and relevant Chinese due diligence standards. We have incorporated compliance requirements regarding conflict minerals and silicon materials into supplier contracts or cooperation agreements, aiming to build a transparent, compliant, traceable, and responsible global supply chain. Meanwhile, upholding the principle of openness and transparency, we regularly publish updates on our due diligence progress for stakeholders including clients, investors, and regulatory bodies. This commitment drives the continuous improvement of our supply chain's sustainability performance.



Conflict Minerals Management Mechanism

<p>7</p> <p>Potential conflict minerals risk suppliers identified</p>	<p>100%</p> <p>Of whom completed the conflict minerals survey</p>	<p>100%</p> <p>Of whom signed <i>Non-Use of Conflict Minerals Commitment Letter</i></p>
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Appendix 1: Key Performance Indicators

Indicator	Unit	2025	2024	2023
Corporate Governance				
Total number of directors	person	9	9	9
Number of female directors	person	2	2	2
Proportion of female directors	%	22.22	22.22	22.22
Number of executive directors	person	3	3	3
Number of non-executive directors	person	6	6	3
Number of independent directors	person	3	3	3
Proportion of independent directors	%	33.33	33.33	33.33
Average attendance rate of annual board meetings	%	100	100	100
Business Ethics				
Number of reports generated by whistleblowing procedures	/	0	0	0
Number of confirmed corruption incidents	/	0	0	0
Percentage of employees trained on business ethics issues	%	100	100	100
Percentage of risky trading partners covered by corruption due diligence process	%	100	100	100
Percentage of all premises that have undergone internal assessment or review for specific business ethics issues	%	33.33	30.00	16.67
Percentage of premises certified with ISO 37001 Anti-bribery Management System	%	33.33	30.00	33.33
Number of confirmed conflicts of interest violations	/	0	0	-
Number of confirmed money laundering or insider trading violations	/	0	0	-
Percentage of employee performance evaluation system incorporating compliance/code of conduct	%	100	100	-
Information Security and Privacy Protection				
Number of confirmed information security and customer privacy breaches	/	0	0	0
Percentage of key raw material suppliers covered by information security due diligence process	%	100	100	100
Percentage of premises certified with ISO 27001 Information Security Management System	%	100	100	33.33
Total number of verified complaints related to customer privacy breaches (from external sources and confirmed by Astronergy + from regulatory bodies)	/	0	0	-
Total number of confirmed leaks, thefts, or losses of customer data	/	0	0	-
Sci-tech Innovation				
Total number of R&D/technical personnel	person	291	454	367
New authorized patents	/	153	137	49
Total patents obtained in the year	/	153	137	49
Invention patents obtained in the year	/	18	26	5
Utility model patents obtained in the year	/	133	106	37
Design patents obtained in the year	/	2	5	7

Indicator	Unit	2025	2024	2023
Products and Services				
Percentage of premises certified with ISO 9001 Quality Management System	%	100	100	100
Number of product lines recalled due to quality issues	/	0	0	-
Costs incurred due to product recalls	ten thousand RMB	0	0	-
Number of complaints related to major quality and safety risks	/	0	0	-
Major quality and safety incidents	/	0	0	-
Number of quality-specific improvement projects released	/	70	120	88
Product supervision and sampling inspection pass rate	%	100	100	100
Total number of module categories undergoing life cycle assessment	/	30	38	-
Percentage of products undergoing life cycle assessment	%	100	100	100
Total amount of raw materials ¹⁵ saved through design optimization	tons	5,877.82	6,789.19	1,770.21
Total amount of silver paste saved	tons	1.10	24.80	0.01
Total amount of flux saved	tons	105.59	80.39	0.20
Total amount of aluminum material saved	tons	1,005.75	2,122.00	600.00
Total amount of adhesive film saved	tons	3,085.38	4,435.00	1,170.00
Total amount of silicone saved	tons	1,680.00	127.00	-
Customer satisfaction rate	points	96.49	97.37	92.90
Number of incidents violating product and service information and labeling regulations or voluntary codes	/	0	0	-
Number of incidents violating marketing (advertising, marketing, sponsorship) regulations or voluntary codes	/	0	0	-
Environmental Management System				
Percentage of employees who have received environmental-related training	%	100	100	100
Percentage of all operational premises that have undergone environmental risk assessment	%	100	100	66.67
Percentage of premises certified with ISO 14001 Environmental Management System	%	100	100	100
Percentage of premises certified with ISO 50001 Energy Management System	%	100	100	100
Number of environmental-related violation incidents	/	0	0	0
Total fines due to environmental violations	RMB	0	0	0
Capital expenditures related to environmental management or protection	RMB	20,134,000.00	9,521,000.00	-
Operating expenditures related to environmental management or protection	RMB	28,260,900.24	46,760,786.74	-
Total expenditures related to environmental management or protection	RMB	48,394,900.24	56,281,786.74	-
Costs avoided and saved from total investment in environmental management or protection	RMB	69,029,670.00	164,864,000.00	-

¹⁵ The saved raw materials include silver paste, flux, aluminum materials, adhesive film, etc.

Indicator	Unit	2025	2024	2023
GHG Emissions				
Total Scope 1 GHG emissions	tCO ₂ e	2,751.73	9,478.07	7,537.55
Total Scope 2 GHG emissions	tCO ₂ e	1,024,865.21	1,519,499.10	446,536.48
Total Scope 3 GHG emissions ¹⁶	tCO ₂ e	17,209,778.46	19,769,212.87	15,743,480.77
Total Scope 3 upstream GHG emissions	tCO ₂ e	16,736,112.75	18,905,724.33	15,365,244.67
Total Scope 3 downstream GHG emissions	tCO ₂ e	473,665.71	863,488.54	378,236.10
Scope 3-1: Purchased goods and services	tCO ₂ e	15,917,050.06	18,658,101.51	15,213,669.79
Scope 3-2: Capital goods	tCO ₂ e	1,630.30	6,646.59	-
Scope 3-3: Fuel and energy activities	tCO ₂ e	209,208.82	53,589.97	29,084.03
Scope 3-4: Upstream transportation and distribution	tCO ₂ e	458,153.89	168,590.87	83,524.31
Scope 3-5: Waste disposal	tCO ₂ e	144,168.04	11,966.00	6,737.75
Scope 3-6: Business travel	tCO ₂ e	2,250.91	2,316.42	1,801.43
Scope 3-7: Employee commuting	tCO ₂ e	2,173.66	2,698.83	28,168.25
Scope 3-8: Upstream leased assets	tCO ₂ e	1,477.07	1,814.15	2,259.11
Scope 3-9: Downstream transportation and distribution	tCO ₂ e	0.00	345,509.52	139,738.85
Scope 3-12: End-of-life treatment of sold products	tCO ₂ e	473,665.71	517,979.02	238,497.25
GHG emissions intensity per unit cell production (Scope 1 + Scope 2)	tCO ₂ e/MW	-	34.92	36.08
GHG emissions intensity per unit module production (Scope 1 + Scope 2)	tCO ₂ e/MW	-	6.47	8.65
Absolute Scope 1 and Scope 2 GHG emissions decreased compared to the base year (2024) ¹⁷	%	39.65	-	-
Scope 3 Category 1 GHG emissions from purchased goods and services per unit of product decreased compared to the base year (2024) ¹⁷	%	6.51	-	-
Ozone Depleting Substances (ODS) emissions	tCO ₂ e	10.62	9.02	-
Energy Management System				
Total energy consumption	GJ	6,973,795.55	9,658,534.12	3,034,321.29
Gasoline	liters	62,657.96	66,110.46	66,089.20
Diesel	liters	489,491.30	421,920.26	128,857.33
Natural gas	m ³	221,079.63	1,050,162.95	936,691.80
Electricity consumption	MWh	1,929,301.78	2,692,587.79	812,078.38
Purchased electricity	MWh	1,852,952.47	2,776,269.57	-
Self-generated and self-used solar energy	MWh	76,349.30	25,848.23	19,685.24
Total renewable energy consumption ¹⁸	MWh	139,367.30	25,848.23	19,685.24
Percentage of renewable energy in total energy consumption	%	7.20	5.00	2.34
Electricity consumption savings	100 million kWh	0.72	1.22	0.16
Energy consumption intensity per unit cell production	tons of standard coal /MW	5.82	6.91	7.61
Energy consumption intensity per unit module production	tons of standard coal /MW	1.30	1.60	1.78
Annual standard coal savings	tons of standard coal	11,150.02	15,074.71	2,708.47

¹⁶ The Company's greenhouse gas emissions cover Categories 1-9 and Category 12. Other categories are not involved in relevant emissions or have minimal emission volumes, and thus are not included in the accounting scope.

¹⁷ In 2025, the Company's science-based targets were officially validated by the Science Based Targets initiative (SBTi). Therefore, starting from 2025, the carbon reduction target has been revised to the SBTi carbon reduction target.

¹⁸ The main reason for the increase in the total renewable energy consumption in 2025 compared to 2024 is the expanded statistical scope. Starting in 2025, the statistical data includes Self-generated and self-used solar energy electricity, purchased electricity, and green certificates.

Indicator	Unit	2025	2024	2023
Water Resource Management				
Total water withdrawal	tons	9,859,962.00	16,293,994.00	6,847,488.64
Municipal water supply	m ³	7,652,317.00	13,225,738.00	-
Wastewater from other enterprises or organizations	m ³	2,523,471.00	3,204,729.00	-
Total water discharge	tons	8,212,353.60	13,647,040.90	5,745,698.00
Total water consumption	tons	1,647,608.40	2,646,953.10	1,101,790.64
Comprehensive water consumption intensity	tons/MW	24.79	34.74	41.56
Decrease ratio of water consumption intensity (taking 2022 as the base year)	%	55.53	37.67	25.43
Purchased reclaimed water	tons	2,207,645.00	3,190,445.00	-
Total amount of recycled and reused water	tons	146,304,648.82	176,759,562.70	69,000.00
Water resource recycling rate	%	93.69	91.56	-
Total ultra-pure water usage	tons	5,556,434.00	8,759,090.00	-
Emission and Waste Management				
Total waste generation	tons	49,753.37	74,846.98	36,813.96
Total hazardous waste generation	tons	658.98	670.25	143.43
Total hazardous waste disposal	tons	652.94	669.79	43.03
Hazardous waste disposal: Incineration (no energy recovery)	tons	272.18	454.30	-
Hazardous waste disposal: Incineration (energy recovery)	tons	48.42	-	-
Hazardous waste disposal: Recycling	tons	299.49	215.49	43.03
Percentage decrease in chemicals usage	%	47.28	33.00	-
Total non-hazardous waste generation	tons	49,094.39	74,176.73	36,670.53
Total non-hazardous waste disposal	tons	49,224.78	74,145.90	-
Non-hazardous waste disposal (sludge)	tons	22,551.48	43,516.65	-
Non-hazardous waste disposal (municipal solid waste)	tons	1,550.75	2,399.99	-
Non-hazardous waste disposal (kitchen waste)	tons	780.23	1,098.43	-
Non-hazardous waste disposal (broken silicon wafers)	tons	366.98	482.87	-
Non-hazardous waste disposal (wooden pallets, paper products, scrap iron, plastic, other scrap materials)	tons	23,590.27	26,647.96	-
Non-hazardous waste disposal: landfill	tons	0	0	-
Waste generation intensity	tons /MW	0.75	0.98	0.93
Non-hazardous waste disposal: incineration (no energy recovery)	tons	1,469.44	2,766.55	-
Non-hazardous waste disposal: recycling	tons	47,673.83	71,379.35	18,593.58
Non-hazardous waste disposal: other disposal methods	tons	0	0	-
Increase in non-hazardous waste recycling rate YoY	%	0.91	90.55	6.48
Total waste recycled	tons	47,973.32	71,594.84	18,636.61
Waste recycling rate	%	96.42	95.66	50.60
Non-hazardous waste recycling rate	%	97.11	96.23	50.50
Percentage of total operational waste diverted from landfills	%	96.42	95.66	50.60

Indicator	Unit	2025	2024	2023
Supply Chain Management				
Percentage of new suppliers screened using environmental and social evaluation dimensions	%	100	100	100
Total number of main raw material suppliers	/	172	177	0
Percentage of suppliers undergoing environmental compliance inspections	%	100	100	0
Number of suppliers conducting environmental impact assessments	/	172	177	0
Number of suppliers identified as having significant actual and potential negative environmental impacts	/	0	0	0
Percentage of suppliers from whom conflict minerals information has been obtained	%	100	100	100
Percentage of target suppliers ¹⁹ who have signed sustainable procurement charters/supplier codes of conduct	%	100	100	100
Percentage of suppliers with contracts including environmental, labor, and human rights requirements	%	100	100	100
Percentage of target suppliers who have undergone corporate social responsibility (CSR) assessments	%	100	100	100
Percentage of target suppliers who have undergone corporate social responsibility (CSR) on-site audits	%	100	100	100
Percentage of purchasers in all regions who have received sustainable procurement training	%	100	100	100
Total number of suppliers implementing environmental or social issue corrective measures	/	51	19	60
Number of audited or assessed suppliers engaged in corrective actions or capacity building	/	51	19	60
Number of suppliers conducting social impact assessments	/	172	177	0
Proportion of core suppliers certified with ISO 45001	%	100	100	100
Proportion of core suppliers certified with ISO 14001	%	100	100	82
Number of suppliers with national-level green factory qualifications	/	38	32	9
Total number of tier-1 suppliers	/	172	177	-
Total number of significant tier-1 suppliers	/	99	78	-
Percentage of total expenditure on significant tier-1 suppliers	%	85.70	74.95	-
Total number of significant suppliers (tier-1 and non-tier-1)	/	172	177	-
Employment Management				
Total number of employees	person	5,638	8,586	7,553
Total number of new employees	person	621	2,372	6,244
Percentage of male in new hires	%	69.40	71.29	-
Percentage of female in new hire	%	30.60	28.71	-
Percentage of new hires under 30 years old	%	52.50	52.70	-
Percentage of new hires aged 30-50	%	47.50	47.30	-
Percentage of new hires over 50 years old	%	0	0	-
Percentage of new hires from China mainland	%	95.33	99.96	-
Percentage of new hires who are general employees	%	97.75	96.84	-
Percentage of new hires who are ordinary management	%	1.45	2.23	-
Percentage of new hires who are middle management	%	0.64	0.84	-
Percentage of new hires who are senior management	%	0.16	0.08	-

¹⁹ The term "target supplier" refers to "key supplier", which refers to the core category suppliers of photovoltaic modules.

Indicator	Unit	2025	2024	2023
Percentage of employees filling vacant positions through internal competition	%	38.49	19.14	-
Average recruitment cost per new employee	RMB	1,448	1,829	-
Number of male employees	person	4,017	6,220	5,114
Number of female employees	person	1,621	2,366	2,439
Percentage of female employees	%	28.75	27.56	32.00
Number of employees under 30 years old	person	1,972	3,771	3,767
Number of employees aged 30-50	person	3,619	4,770	3,748
Number of employees over 50 years old	person	47	45	38
Number of employees with Han ethnicity	person	5,202	7,992	5,996
Number of employees from mainland China	person	5,503	8,582	6,488
Number of employees from outside mainland China (including Hong Kong, Macau, and Taiwan)	person	135	4	1,065
Number of full-time employees	person	5,638	8,586	7,553
Percentage of female employees in management	%	17.25	16.52	21.00
Total number of senior management	person	22	23	25
Number of localized senior management	person	6	8	-
Number of female employees in senior management	person	5	7	8
Percentage of female employees in senior management	%	22.73	30.43	32.00
Total number of middle management	person	171	211	153
Total number of female employees in middle management	person	27	32	31
Percentage of female employees in middle management	%	15.79	15.17	20.26
Total number of ordinary management	person	497	704	459
Total number of female employees in ordinary management	person	87	116	94
Percentage of female employees in ordinary management	%	17.51	16.48	20.78
Total number of general employees	person	4,948	7,648	6,916
Total number of female employees in general employees	person	1,502	2,211	-
Percentage of female employees in management of revenue-generating departments	%	26.84	14.78	-
Percentage of female employees in STEM-related positions	%	19.97	19.28	-
Percentage of female employees in technical staff	%	24.40	26.33	30.00
Total number of disabled employees	person	26	193	29
Percentage of employees from minority and/or vulnerable groups in total workforce	%	8.19	9.17	21.40
Percentage of minority and/or vulnerable group employees in senior management	%	0	0	0
Percentage of employees who have received diversity, discrimination, and/or harassment training	%	100	100	100
Turnover rate of technical talents	%	7.94	8.23	6.85

Indicator	Unit	2025	2024	2023
Compensation and Benefits				
Total weeks of paid parental leave provided to most female employees	weeks	76.86	135.86	-
Total weeks of paid parental leave provided to most male employees (non-primary caregivers)	weeks	247	327	-
Return-to-work rate for male employees after parental leave	%	98.40	100	100
Return-to-work rate for female employees after parental leave	%	96.43	100	93.97
Unadjusted average gender pay gap ratio	%	19.44	21.00	22.48
Percentage of direct employees covered by living wage benchmark analysis	%	100	100	-
Number of direct employees included in living wage benchmark analysis	person	5,638	8,586	-
Total number of direct employees	person	5,638	8,586	7,553
Number of employees earning below the living wage	person	0	0	-
Percentage of direct employees earning below the living wage	%	0	0	-
Percentage of all employees earning below the living wage	%	0	0	-
Percentage gap between the average wage of directly employed employees earning below the living wage and the living wage benchmark	%	0	0	0
Employee Rights Protection				
Employee satisfaction	points	79.17	83.93	83.78
Coverage rate of corporate social responsibility training	%	100	100	100
Number of discrimination and harassment incidents	/	0	0	0
Number of forced labor and child labor incidents	/	0	0	0
Percentage of security personnel who have received human rights training	%	100	100	100
Percentage of all operational sites that have undergone human rights review or impact assessment	%	100	100	100
Total number of employees who have received training on human rights-related policies or procedures during the reporting period	person	5,638	8,586	-
Percentage of employees who have received training on human rights-related policies or procedures during the reporting period	%	100	100	-
Percentage of operational sites with SA8000 certification	%	58.33	60.00	20.00
Percentage of employees at all company premises covered by formal collective agreements on working conditions	%	100	100	100
Percentage of employees who have signed women's protection agreements	%	100	100	100
Percentage of employees at all company premises covered by officially elected employee representatives	%	100	100	100
Employee Training				
Average training hours for male senior management	hours	66.94	78.13	69.60
Average training hours for female senior management	hours	63.20	76.00	69.60
Average training hours for male middle management	hours	70.53	32.41	22.00
Average training hours for female middle management	hours	54.89	35.69	22.00
Average training hours for male ordinary management	hours	52.60	60.83	75.00
Average training hours for female ordinary management	hours	51.79	66.10	75.00
Average training hours for male general employees	hours	21.72	31.98	28.41

Indicator	Unit	2025	2024	2023
Average training hours for female general employees	hours	19.29	36.19	28.41
Average training hours for male employees	hours	26.81	34.84	31.25
Average training hours for female employees	hours	21.76	37.77	31.25
Total training hours for employees	hours	142,968.00	306,070.00	236,031.25
Average training hours per employee	hours	25.36	35.65	31.25
Percentage of employees receiving vocational or skill-related training	%	100	100	67.13
Total training investment	RMB	8,269,805.64	9,811,000.00	-
Average training investment per employee	RMB	1,466.80	1,142.67	-
Percentage of employees receiving regular performance and career development assessments	%	100	100	100
Total expenses related to employees	ten thousand RMB	115,965.97	164,514.10	-
Number of employees supported to complete continuing education and upgrade academic qualifications (taking 2022 as the base year)	person	241	196	158
Occupational Health and Safety				
Percentage of premises obtaining ISO 45001 Occupational Health and Safety Management System certification	%	100	100	100
Percentage of employees covered by the occupational health and safety management system	%	100	100	-
Percentage of employees covered by the occupational health and safety management system audited internally	%	100	100	-
Percentage of employees covered by the occupational health and safety management system audited externally	%	100	100	-
Number of employees who died due to work-related injuries	person	0	0	-
Injury and fatality rate due to employee work-related accidents	%	0	0	0
Injury and fatality rate due to non-employee work-related accidents	%	0	0	0
Number of employees with serious consequences from work-related injuries	person	0	0	-
Serious consequence work-related injury rate for employees (excluding deaths)	%	0	0	0
Accident rate of minor injuries per thousand people	‰	0.77	0.70	1.23
Number of employees who died due to occupational diseases	person	0	0	0
Number of incidents related to occupational health issues	/	0	0	0
Number of days lost due to work-related injuries, deaths, and poor health conditions	Days	8,382.19	1,087	666.00
Number of work-related accidents	/	9	7	11
Percentage of operational premises covered by employee health and safety hazard identification and risk assessment	%	100	100	66.67
Absence rate	%	1.77	2.59	-
Number of EHS safety training sessions	sessions	567	885	675
Cumulative number of participants in EHS safety training	participants	8,490	92,071	18,666
Number of emergency drill activities conducted	sessions	312	330	86
Cumulative number of participants in emergency drill activities	participants	6,598	8,586	3,790
Community Welfare				
Percentage of operational premises with local community involvement, impact assessment, and/or development plans	%	100	100	100

Appendix 2: GRI Content Index

Statement of use	Chint New Energy Technology Co., Ltd. reported information referenced in this GRI content index during the period from January 1, 2025, to December 31, 2025, in accordance with GRI standards.
GRI used	GRI 1: Foundation 2021
Applicable GRI industry standards	None

Disclosure issue/item	Disclosure	Chapter index
GRI 2: General Disclosures 2021		
2-1	Organizational details	• Corporate Overview
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	• Explained in the corresponding sections of the report
2-5	External assurance	• Verification Statement
2-6	Activities, value chain, and other business relationships	• About Astronergy • A Green Network: Paving the Way for Ecological Development • Advancing Responsibility to Solidify the Foundation of Equitable Development • Sustainable Supply Chain
2-7	Employees	• Human Capital Development
2-8	Workers who are not employees	• Occupational Health and Safety
2-9	Governance structure and composition	• Corporate Governance
2-10	Nomination and selection of the highest governance body	• Corporate Governance
2-11	Chair of the highest governance body	• Corporate Governance
2-12	Role of the highest governance body in overseeing the management of impacts	• Corporate Governance
2-13	Delegation of responsibility for managing impacts	• Corporate Governance
2-14	Role of the highest governance body in sustainability reporting	• Sustainability Governance
2-15	Conflict of interest	• Corporate Governance
2-16	Communication of critical concerns	• Stakeholder Engagement • Corporate Governance
2-17	Collective knowledge of the highest governance body	• Sustainability Governance • Corporate Governance
2-18	Evaluation of the performance of the highest governance body	• Corporate Governance • Sustainability Governance • Labor Rights and Human Rights Protection
2-19	Remuneration policies	• Labor Rights and Human Rights Protection
2-20	Process to determine remuneration	• Labor Rights and Human Rights Protection
2-21	Annual total compensation ratio	• Labor Rights and Human Rights Protection
2-22	Statement on sustainable development strategy	• Sustainability Strategy
2-23	Policy commitments	• Stakeholder Engagement • Business Ethics • Labor Rights and Human Rights Protection
2-24	Embedding policy commitments	• Stakeholder Engagement • Business Ethics • Labor Rights and Human Rights Protection
2-25	Processes to remediate negative impacts	• Business Ethics • Labor Rights and Human Rights Protection
2-26	Mechanism for seeking advice and raising concerns	• Business Ethics • Labor Rights and Human Rights Protection

Disclosure issue/item	Disclosure	Chapter index
2-27	Compliance with laws and regulations	• Business Ethics
2-28	Membership associations	• Sci-tech Innovation
2-29	Approach to stakeholder engagement	• Stakeholder Engagement
2-30	Collective bargaining agreements	• Labor Rights and Human Rights Protection
GRI 3: Material Topics 2021		
3-1	Process to determine material topics	• Materiality Assessment
3-2	List of material topics	• Materiality Assessment
3-3	Management of material topics	• Materiality Assessment
GRI 201: Economic Performance 2016		
201-1	Direct economic value generated and distributed	• Our 2025
201-2	Financial implications and other risks and opportunities due to climate change	• Response to Climate Change
201-3	Defined benefit plan obligations and other retirement plans	• Labor Rights and Human Rights Protection
GRI 202: Market Presence 2016		
202-1	Ratios of standard entry level wage by gender compared to local minimum wage	• Due to a lack of information, Astronergy's confidential details will not be disclosed at this time
202-2	Proportion of senior management hired from the local community	• Due to a lack of information, Astronergy's confidential details will not be disclosed at this time
GRI 203: Indirect Economic Impacts 2016		
203-1	Infrastructure investments and services supported	• Community Engagement and Charitable Initiatives
203-2	Significant indirect economic impacts	• Community Engagement and Charitable Initiatives
GRI 204: Procurement Practices 2016		
204-1	Proportion of spending on local suppliers	• A Green Network: Paving the Way for Ecological Development
GRI 205: Anti-Corruption 2016		
205-1	Operations assessed for risks related to corruption	• Business Ethics
205-2	Communication and training about anti-corruption policies and procedures	• Business Ethics
205-3	Confirmed incidents of corruption and actions taken	• Business Ethics
GRI 206: Anti-competitive Behavior 2016		
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	• Business Ethics
GRI 207: Tax 2019		
207-1	Approach to tax	• Compliance and Risk Management
207-2	Tax governance, control, and risk management	• Compliance and Risk Management
207-3	Stakeholder engagement and management of concerns related to tax	• Compliance and Risk Management
GRI 301: Materials 2016		
301-2	Recycled input materials used	• Product Lifecycle Management • Emissions and Waste Management
301-3	Reclaimed products and their packaging materials	• Product Lifecycle Management • Emissions and Waste Management

Disclosure issue/item	Disclosure	Chapter index
GRI 302: Energy 2016		
302-1	Energy consumption within the organization	• Resource Utilization
302-3	Energy intensity	• Resource Utilization
302-4	Reduction of energy consumption	• Resource Utilization
302-5	Reductions in energy requirements of products and services	• Resource Utilization
GRI 303: Water and Effluents 2018		
303-1	Interactions with water as a shared resource	• Resource Utilization • Emissions and Waste Management
303-2	Management of water discharge-related impacts	• Emissions and Waste Management
303-3	Water withdrawal	• Resource Utilization
303-4	Water discharge	• Emissions and Waste Management
303-5	Water consumption	• Resource Utilization
GRI 304: Biodiversity 2016		
304-2	Significant impacts of activities, products and services on biodiversity	• Biodiversity Conservation
304-3	Habitats protected or restored	• Biodiversity Conservation
GRI 305: Emissions 2016		
305-1	Direct (Scope 1) GHG emissions	• Response to Climate Change
305-2	Energy indirect (Scope 2) GHG emissions	• Response to Climate Change
305-3	Other indirect (Scope 3) GHG emissions	• Response to Climate Change
305-4	GHG emission intensity	• Response to Climate Change
305-5	Reduction of GHG emissions	• Response to Climate Change
305-6	Emissions of ozone-depleting substances (ODS)	• Appendix 1: Key Performance Indicators
305-7	Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	• Emissions and Waste Management
GRI 306: Waste 2020		
306-1	Waste generation and significant waste-related impacts	• Emissions and Waste Management
306-2	Management of significant waste-related impacts	• Emissions and Waste Management
306-3	Waste generation	• Emissions and Waste Management
306-4	Waste diverted from disposal	• Emissions and Waste Management
306-5	Waste directed to disposal	• Emissions and Waste Management
GRI 308: Supplier Environmental Assessment 2016		
308-1	New suppliers that were screened using environmental criteria	• A Green Network: Paving the Way for Ecological Development
308-2	Negative environmental impacts in the supply chain and actions taken	• A Green Network: Paving the Way for Ecological Development
GRI 401: Employment 2016		
401-1	New employee hires and employee turnover	• Labor Rights and Human Rights Protection • Human Capital Development
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	• Labor Rights and Human Rights Protection
401-3	Parental leave	• Labor Rights and Human Rights Protection
GRI 402: Labor/Management Relations 2016		
402-1	Minimum notice periods regarding operational changes	• Labor Rights and Human Rights Protection

Disclosure issue/item	Disclosure	Chapter index
GRI 403: Occupational Health and Safety 2018		
403-1	Occupational health and safety management system	• Occupational Health and Safety
403-2	Hazard identification, risk assessment, and incident investigation	• Occupational Health and Safety
403-3	Occupational health services	• Occupational Health and Safety
403-4	Worker participation, consultation, and communication on occupational health and safety	• Occupational Health and Safety
403-5	Worker training on occupational health and safety	• Occupational Health and Safety
403-6	Promotion of worker health	• Occupational Health and Safety
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	• Occupational Health and Safety
403-8	Workers covered by an occupational health and safety management system	• Occupational Health and Safety
403-9	Work-related injuries	• Occupational Health and Safety
403-10	Work-related ill health	• Occupational Health and Safety
GRI 404: Training and Education 2016		
404-1	Average hours of training per employee per year	• Human Capital Development
404-2	Programs for upgrading employee skills and transition assistance programs	• Human Capital Development
404-3	Percentage of employees receiving regular performance and career development reviews	• Human Capital Development
GRI 405: Diversity and Equal Opportunity 2016		
405-1	Diversity of governance bodies and employees	• Corporate Governance • Labor Rights and Human Rights Protection
GRI 406: Non-Discrimination 2016		
406-1	Incidents of discrimination and corrective actions taken	• Labor Rights and Human Rights Protection
GRI 408: Child Labor 2016		
408-1	Operations and suppliers at significant risk for incidents of child labor	• Labor Rights and Human Rights Protection
GRI 409: Forced or Compulsory Labor 2016		
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	• Labor Rights and Human Rights Protection
GRI 410: Security Practices 2016		
410-1	Security personnel trained in human rights policies or procedures	• Labor Rights and Human Rights Protection
GRI 411: Rights of Indigenous Peoples 2016		
411-1	Incidents of violations involving rights of indigenous peoples	• Not applicable, operational activities do not involve violations of indigenous peoples' rights
GRI 413: Local Communities 2016		
413-1	Operations with local community engagement, impact assessments, and development programs	• Community Engagement and Charitable Initiatives
413-2	Operations with significant actual and potential negative impacts on local communities	• After assessment, Astronergy does not have operation premises with actual or potential significant negative impacts on local communities
GRI 414: Supplier Social Assessment 2016		

Appendix 3: Verification Statement

Disclosure issue/item	Disclosure	Chapter index
414-1	New suppliers that were screened using social criteria	• A Green Network: Paving the Way for Ecological Development
414-2	Negative social impacts in the supply chain and actions taken	• No such incidents occurred during the reporting period
GRI 415: Public Policy 2016		
415-1	Political contributions	• Not applicable
GRI 416: Customer Health and Safety 2016		
416-1	Assessment of health and safety impacts on product and service categories	• Product Quality and Safety
416-2	Incidents of non-compliance concerning the health and safety impacts related to products and services	• Product Quality and Safety
GRI 417: Marketing and Labeling 2016		
417-1	Requirements for product and service information and labeling	• Product Quality and Safety
417-2	Incidents of non-compliance concerning product and service information and labeling	• Customer Relationship Management
417-3	Incidents of non-compliance concerning marketing communications	• Customer Relationship Management
GRI 418: Customer Privacy 2016		
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	• Information Security and Privacy Protection

ATTESTATION
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 BESCHEINIGUNG
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 ATTESTATION

Independent Verification Statement



Verification Statement: EIV2 118117 0004 Rev. 00

To the management and stakeholders of Chint New Energy Technology Co., Ltd.,

TÜV SÜD Certification and Testing (China) Co., Ltd. (hereinafter referred to as "TÜV SÜD") has been engaged by Chint New Energy Technology Co., Ltd. (hereinafter referred to as "Astronergy" or "the Company") to perform an independent third-party verification on *The Chint New Energy Technology Co., Ltd. 2025 Sustainability Report* (hereinafter referred to as "the Report"). During this verification, TÜV SÜD's verification team strictly abided by the contract signed with Astronergy and provided verification regarding the Report in accordance with the provisions agreed by both parties and within the authorized scope stipulated in the contract.

This Independent Verification Statement is based on all the data and information collected by Astronergy and provided to TÜV SÜD. The scope of verification is limited to the given data and information. Astronergy shall be held accountable for the authenticity and completeness of the provided data and information (contains assumptions, projections, and/or historical facts).

Scope of Verification

Time frame of this verification:

- ❖ The Report contains the data disclosed by Astronergy during the reporting period from 01/01/2025 to 31/12/2025, including environmental, social and governance data and information, methods for management of material issues, actions/measures and the Company's sustainability performance during the reporting period.

Physical boundary of this verification:

- ❖ The on-site verification sampling took place at below listed location:
Headquarters of Astronergy, NO.1 Jisheng Road, Jianshan New Zone, Haining City, Zhejiang Province

Scope of data and information for the verification:

- ❖ The scope of verification is limited to the data and information of Astronergy and all companies under its operational control covered by the Report.

The following data and information are beyond the scope of this verification:

- ❖ Any relevant data and information beyond the reporting period;
- ❖ The data and information of Astronergy's suppliers, partners and other third parties; and
- ❖ The financial data and information disclosed in the Report that have been audited by an independent third party are not verified again herein.

Limitations

- ❖ The verification process is conducted in the above scope. Sampling and verification are adopted for the data and information in the Report by TÜV SÜD, and only the stakeholders within the Company are interviewed; and
- ❖ The Company's standpoint, opinions, forward-looking statements and predictive information as well as the historical data and information before 01/01/2025 are beyond the scope of this verification.
- ❖ The verification conclusions are based on the analysis of the data and information collected by TÜV SÜD and may not identify all problems and conditions, nor constitute any guarantee of the credibility or status of the subject of verification.

Independent Verification Statement



Verification Statement: EIV2 118117 0004 Rev. 00

Verification Methodology

This verification process was conducted by TÜV SÜD's expert team with extensive experience in environmental, social and governance and other relevant areas and drew the conclusions thereof. The verification conforms to the following requirements:

- ❖ *International Standard on Assurance Engagements (ISAE) 3000 (Revised), Assurance Engagements Other than Audits or Reviews of Historical Financial Information, Limited Assurance*
- ❖ *Sustainability Report Verification Operation Rule (CCB_EIV_GR_002E Rev04)*

In order to perform adequate verification in accordance with the contract and relevant assurance standards, and provide reliable verification for the conclusions, the verification team conducted the following activities:

- ❖ Preliminary investigation of the relevant information before on-site verification;
- ❖ Confirmation of the presence of the topics with high level of materiality and performance in the Report;
- ❖ On-site verification review of all supporting documents, data and other information provided by Astronergy; tracing and verification of key performance information;
- ❖ Special interview with the representative of Astronergy's management; and held interviews with the employees related to collection, compilation and reporting of the disclosed information; and
- ❖ Other procedures deemed necessary by the verification team.

Verification Conclusions

According to the verification, we believe that the data and information presented in Astronergy's report are objective, factual and reliable, without systematic problems.

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

Inclusivity	Astronergy has fully identified its internal and external stakeholders, including shareholders and investors, government and regulatory authorities, customers, the public and media, as well as academic and research institutions. The Company has established stakeholder communication mechanisms to gather authentic demands and expectations from stakeholders.
Materiality	Astronergy has established the identification and prioritization process of material topics determination, identified and assessed the priority of the sustainability topics which are highly related to the industry, and disclosed the governance structure, management approach as well as sustainability performance in corporate operation, therefore the Report's adherence to materiality principle is guaranteed.
Responsiveness	Addressing stakeholder concerns, Astronergy provides transparent disclosure on its management approaches and performance regarding high-materiality issues, including energy management, response to climate change, and product quality and safety—while establishing dedicated communication channels to comprehensively address stakeholder demands and expectations.
Impact	Astronergy has established a Strategic and Sustainable Committee, appointing an executive director as Chief Sustainability Officer to oversee, make decisions on, and supervise sustainability strategies, policies, and practices. The Company has implemented a materiality assessment process to evaluate impacts on stakeholders and the organization itself, leveraging comprehensive and balanced insights, with corresponding disclosures on material impacts.

Independent Verification Statement



Verification Statement: EIV2 118117 0004 Rev. 00

Recommendations on Continuous Improvement

- ❖ The auditors have conveyed the improvement suggestions to the management of Astronergy during the 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 Certification and Testing (China) Co., Ltd is one of TÜV SÜD's global branches and has an expert team whose members have professional background and rich industrial experiences.

TÜV SÜD and Astronergy are two entities independent of each other and both TÜV SÜD and Astronergy 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 Astronergy. TÜV SÜD has not been involved in preparation and drafting of the Report, except for the verification itself and issuance of this Independent Verification Statement.

Signature:

On Behalf of TÜV SÜD Certification and Testing (China) Co., Ltd.

Wenjun Zhu
TÜV SÜD Certification and Testing (China) Co., Ltd. Technical Certifier
Shanghai, China, 14/04/2026

Note: In case of any inconsistency or discrepancy, the simplified Chinese version "Independent Verification Statement" of this verification statement shall prevail, English translation are used for reference only.



ASTRONERGY



2006-2026
20th Anniversary