



SOLARSPACE TECHNOLOGY CO., LTD.

2025

Environmental, Social and  
Governance Report

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# About the Report

## Report Scope

The Report is the third *Environmental, Social and Governance Report* (hereinafter referred to as "the Report" or "ESG Report") issued by SolarSpace Technology Co., Ltd. and its subsidiaries (hereinafter collectively referred to as "SolarSpace," "the Company," "we," or "us"), presenting the Company's performance in environmental, social, and governance matters. Unless otherwise stated, the scope aligns with that of the consolidated financial statements in the prospectus of SolarSpace Technology Co., Ltd.; among them, the performance data and information in the Environmental chapter cover the Company headquarters and all five production bases.

## Reporting Period

The Report is an annual report, covering the period from January 1, 2025, to December 31, 2025 (hereinafter referred to as the "Reporting Period"). To enhance the comparability and completeness of the report, certain content extends beyond the aforementioned time frame.

## Basis of Preparation

This report has been prepared in accordance with the *Environmental, Social and Governance Reporting Guide* in Appendix C2 to the *Rules Governing the Listing of Securities* published by the Stock Exchange of Hong Kong Limited and refers to the Global Reporting Initiative (GRI) *Sustainability Reporting Standards* (2021 edition) (referred to as the "GRI Standards") and the United Nations Sustainable Development Goals (SDGs).

## Data Description

The data and cases presented in the Report are sourced from the Company's original operational records or financial statements. All financial data disclosed herein are denominated in RMB. In the event of any discrepancy between the financial data disclosed in the Report and the Company's annual report, the annual report shall take precedence.

## Assurance of Reliability

The Company affirms that the Report contains no false records, misleading statements, or material omissions. The Board of Directors assumes responsibility for the authenticity, accuracy. The Report is published upon confirmation by the Sustainable Development Committee.

## Access to the Report

The Report is available in both Chinese and English versions for readers' reference. In the event of any discrepancies, the Chinese version shall prevail. In consideration of environmental protection, the Report is published in electronic format. The electronic version can be accessed on the Company's official website.

## Contact Information

Email: [contact@SolarSpace.com](mailto:contact@SolarSpace.com)

Phone: +86 516 68000566

Address: 29 Gaoxin Road, Economic and Technological Development Zone, Xuzhou, China

## Company Names Mentioned in the Report

Full Legal Company Name	Company Abbreviation
SolarSpace Technology Co., Ltd.	SolarSpace, the Group
SolarSpace New Energy (Xuzhou) Co., Ltd.	SolarSpace Xuzhou, Tongshan Base
SolarSpace Technology (Xuzhou) Co., Ltd. (formerly Jiangsu Yuhui Photovoltaic Technology Co., Ltd.)	Yuhui Photovoltaic, Peixian Base
Jiangsu Longheng New Energy Co., Ltd.	Jiangsu Longheng, Suqian (Cell) Base
SolarSpace New Energy (Chuzhou) Co., Ltd.	SolarSpace Chuzhou, Chuzhou Base
SolarSpace Technology (Laos) Sole Co., Ltd.	SolarSpace Laos, Laos Base

# Chairman's Statement

Every energy transition in history has never been just a leap in technology; it is, more importantly, a reshaping of the industrial landscape and an iteration of corporate value. Today, the world is accelerating toward a new future centered on clean energy. Climate commitments are strengthening, technological innovation is advancing rapidly, and global competition is being fundamentally reshaped. The photovoltaic industry bears the green mission of the era while undergoing short-term structural pressures from cyclical fluctuations and structural transformation. As global growth shifts from rapid expansion to quality-driven growth, and as scale advantages are replaced by comprehensive competition based on efficiency and value, the industry is entering a truly mature stage.

In 2025, SolarSpace further embedded sustainability as the core principle of its development, guided by technological progress and long-term value creation.

In technology, we continued to push the boundaries of efficiency along the N-type technology roadmap, driving simultaneous improvements in product reliability and performance. In manufacturing, supported by digitalization and a lean production system, we strengthened quality assurance capabilities across the entire process. Across our global footprint, we focused on enhancing local operational capabilities and supply chain resilience, building stronger risk resilience capabilities and global synergies.

Energy transition is not only a technical challenge; it is also a matter of responsibility. In 2025, we deepened the implementation of the "SEED" strategic practice—Superiority, Environment, Empowerment, and Discipline—fully integrating environmental management, social responsibility, and governance requirements into our operations. We promoted the exploration and adoption of low-carbon materials and collaborated with upstream and downstream partners to build a green ecosystem. We have established a robust supply chain due diligence and zero-tolerance mechanism to ensure compliance and transparency throughout the entire value chain. We continuously improved risk management and internal governance structure, making standardized operations the solid foundation of corporate conduct.

Over the past year, we have maintained our leading position in the global photovoltaic cell sector. Our cell shipments have consistently ranked second globally, while our product mix continuing to upgrade. We achieved significant breakthroughs in the module business, with growing recognition in international markets. Our green governance framework became increasingly robust, earning important industry recognitions including the "EcoVadis Bronze Medal", "Top 500 Global New Energy Enterprises 2025", and "2024-2025 Forbes China Sustainable Development Industrial Enterprises". These achievements reflect the resilience and commitment of our people, and mark important progress in our journey toward sustainable growth.

Standing at a new starting point, our vision for the future grew clearer:

Growth will be defined by quality.

Development will be guided by discipline and rationality.

Value will return to its proper position.

Integrity serves as our foundation, and sustainability builds our legacy. Amid the global energy transition, we remain committed to driving competitiveness through technology and earning trust through quality. With value as our compass, we advance steadily toward enduring growth. Looking ahead, we will partner with stakeholders across the value chain to foster a healthy, orderly, and sustainable industry ecosystem, solidify the foundation for sustainable development, and build a new low-carbon ecosystem of shared value.

SolarSpace is committed to becoming a trusted participant, builder, and driver, advancing in step with the times and partnering with the global community.

**Chairman of SolarSpace Technology Co., Ltd.**  
**Long Daqiang**

# Annual Feature

## Integrated Drive for a Green Future:

### "R&D-Production-Supply-Sales-Service" System Reshapes Global Sustainable Competitiveness

In 2025, the photovoltaic industry reached a critical turning point. As PV technologies accelerate their iteration and the global push toward carbon neutrality gains momentum, regulatory frameworks worldwide are becoming increasingly stringent. Market competition has evolved from a singular focus on technology and cost to a comprehensive battle encompassing full-chain quality management and low-carbon practices. Through forward-looking strategic layout, SolarSpace has systematically upgraded its integrated "R&D, Production, Supply, Sales, and Service" system, establishing a differentiated competitive advantage in the global photovoltaic market and steering the industry toward a sustainable future.



### Deepening green technologies to lead product iteration and low-carbon innovation

R&D innovation serve as the core driver of SolarSpace's green competitiveness. The Company focuses on green technology breakthroughs in high efficiency, low carbon emissions, and long service life, embedding green principles at the source of product design. It systematically advances full-lifecycle carbon footprint management to build a green innovation framework tailored for global market. By the end of 2025, seven of the Company's products have obtained Environmental Product Declaration (EPD) certification and twelve have received French Carbon Footprint Certificates, delivering high-performance, low-carbon photovoltaic solutions to global customers.

Supported by an efficient cross-functional system, SolarSpace has accelerated the commercialization of R&D outcomes in low-carbon materials and lightweight modules, ensuring strong alignment with market demands. In 2025, the Company launched multiple full products, including the SLA-48HDB-N, SSA-66HD-N, and SS9-66HD-H modules, which feature market-leading conversion efficiencies. These products provide durable and efficient power generation solutions that precisely meet the high demand for green energy in international markets such as the U.S., Europe, and Japan.



### Implementing green intelligent manufacturing to solidify the foundations of quality and low carbon

An advanced manufacturing system is a critical link in converting green R&D outcomes into high-quality, low-carbon products. SolarSpace has established full-process production standards and operational specifications, strictly implements product lifecycle management, and has achieved 100% compliance with ISO 9001:2015 Quality Management System certification. The Company continues to refine its intelligent and digitalized production management system. By deploying online automatic inspection systems at critical process stages, the Company achieves precise control and real-time feedback throughout the production process, steadily improving product yield to 99.5%. Furthermore, we have established customized production lines that integrate standardization with flexibility, enabling agile and rapid responses to the differentiated global market demands for product performance and certifications.

While ensuring superior quality, we integrate green manufacturing throughout the entire production process and actively implement pollutant emission reduction, energy efficiency improvement, and resource recycling. In 2025, the Company continued to advance its ISO 14001:2015 Environmental Management System, ISO 50001:2018 Energy Management System, and ISO 14064:2018 Greenhouse Gas Verification certification. This resulted in 100% compliant disposal of pollutants, while renewable energy consumption reached 69,934.4 MWh, and greenhouse gas emission intensity decreased by 23%.

This resulted in compliant disposal of pollutants

100%

Greenhouse gas emission intensity decreased by

23%



**Supply****Strengthening sustainable standards and build a green, resilient value chain ecosystem**

SolarSpace collaborates with upstream and downstream partners to build a transparent, reliable, and responsible green supply chain ecosystem. The Company strengthens full-lifecycle management of suppliers by implementing annual audits and performance evaluations for key raw material suppliers. Beyond traditional metrics such as quality, cost, and delivery, the Company incorporates environmental compliance (e.g., *EU RoHS and REACH standards*), ESG performance, and carbon management capabilities into core evaluation dimensions. A tiered and dynamic management mechanism has been established to drive the sustainable transformation of the entire supply chain.

SolarSpace actively builds a high-resilience and sustainable supply chain system. The Company prioritizes suppliers with outstanding ESG performance in procurement decisions and collaborates with partners on innovation to jointly advance the reduction of auxiliary material design, explore the application of recyclable and recycled materials, and achieve proactive management of the carbon footprint across the entire product value chain. In 2025, SolarSpace obtained the ISO 20400:2017 Sustainable Procurement-Guidance issued by an authoritative third-party organization.

**Sales****Focusing on professional empowerment to expand the global market landscape**

Facing a complex and diverse global market, a robust sales system serves as the bridge connecting product technology with customer value. In 2025, the Company is committed to building a professional and forward-looking global marketing team. The team will conduct in-depth analysis of regional policies, regulations, and customer needs to formulate market and product strategies tailored to local conditions. We continue to strengthen our project-oriented, one-stop solution planning for the sales team, precisely aligning with diverse customer scenario requirements.

To address green trade barriers and customer demands for transparency, the sales team deepened the understanding and application of international green certifications, EPD declarations, and carbon footprint reports. This enables clear communication of the products' green value and provides compliance support. Furthermore, leveraging the digital sales management platform, the Company achieved full-process information transparency from order to delivery, enhancing customer experience and operational synergy efficiency, thereby driving SolarSpace from "product export" to "value export".

**Service****Enhancing the global network to safeguard the end-to-end customer experience**

Reliable service is the foundation for earning customer trust and fostering long-term partnerships. SolarSpace leverages the standardized and systematic global service network to ensure high-quality project delivery and sustainable operations. The Company adheres to market access regulations in various regions. By designing customized products to precisely meet international demands, it has established a closed-loop service management system covering pre-sales, during-sales, and post-sales stages, ensuring efficient responses to customer needs.

SolarSpace has established four domestic and international after-sales service institutions in key global markets to provide real-time support around the clock. The Company not only provides product warranty services to our customers but also actively explores value-added services such as system performance monitoring, operations and maintenance guidance, and energy efficiency optimization recommendations, helping customers achieve lifecycle returns and low-carbon operational goals. With end-to-end high-quality services, SolarSpace has become a trusted partner for clients in the energy transition, deepening cooperation and consolidating brand trust through the enduring and reliable performance.

SolarSpace has established

**4**domestic and overseas after-sales service centers across key global markets, offering **7×24-hour** real-time support

# About SolarSpace

## Company Overview

SolarSpace, established in January 11, 2011, is a company mainly engaged in the R&D, production, and sales of high-efficiency solar cells, while also investing in some module production capacity to optimize the industrial chain layout. Adhering to the innovation and development route of technology R&D, we are committed to promoting technological upgrading and product improvement, providing efficient and reliable PV products for global customers, and helping achieve the goal of green energy development and carbon neutrality.

## Development History of SolarSpace

### Startup Period – Strategic Deployment in the Solar Cell Sector

#### 2010

- The predecessor of SolarSpace, Zhongyu Photovoltaic, was established
- Engaged in the research, development, production, and sales of photovoltaic solar cells

#### 2011

- Built the Peixian base and officially put photovoltaic cells into production

#### 2016

- Phase I of Zhonghui commissioned; total solar cell production capacity surpassed 1GW

### Strategic Presence – Investment and Construction of Large-Size Solar Cell Production Capacity

#### 2020

- Investment in and construction of large-size monocrystalline solar cell production base: Longheng Phase I

### Brand Establishment – Dedicated to Monocrystalline Solar Cell Manufacturing

#### 2019

- Transition to large-scale production of monocrystalline solar cells
- According to PV Infolink statistics, the Company's photovoltaic cell shipments ranked among the top five global photovoltaic cell manufacturers

### Exploring Transformation – Initiation of Photovoltaic Module Business

#### 2021 to 2022

- A series of pre-IPO financings, with a total financing amounting to approximately RMB 2,364 million

### Rapid Development: Accelerated Expansion of Solar Cell Production Module Taking Shape

#### 2023

- SolarSpace Chuzhou Solar Cell Project commenced production, achieving photovoltaic solar cell conversion efficiency exceeding 25.5%, thereby maintaining industry leadership
- The overseas production base was commissioned in 2023

#### 2024

- Overseas photovoltaic cell production capacity exceeds 15 GW, with revenue from countries and regions outside China accounting for over 30% of total revenue
- The Company was recognized among the "Top 500 Global New Energy Enterprises in 2024" by the Taiyuan Energy Low Carbon Development Forum, and was also named one of the "Top 500 Chinese Manufacturing Enterprises" by the China Enterprise Confederation and the China Enterprise Directors Association

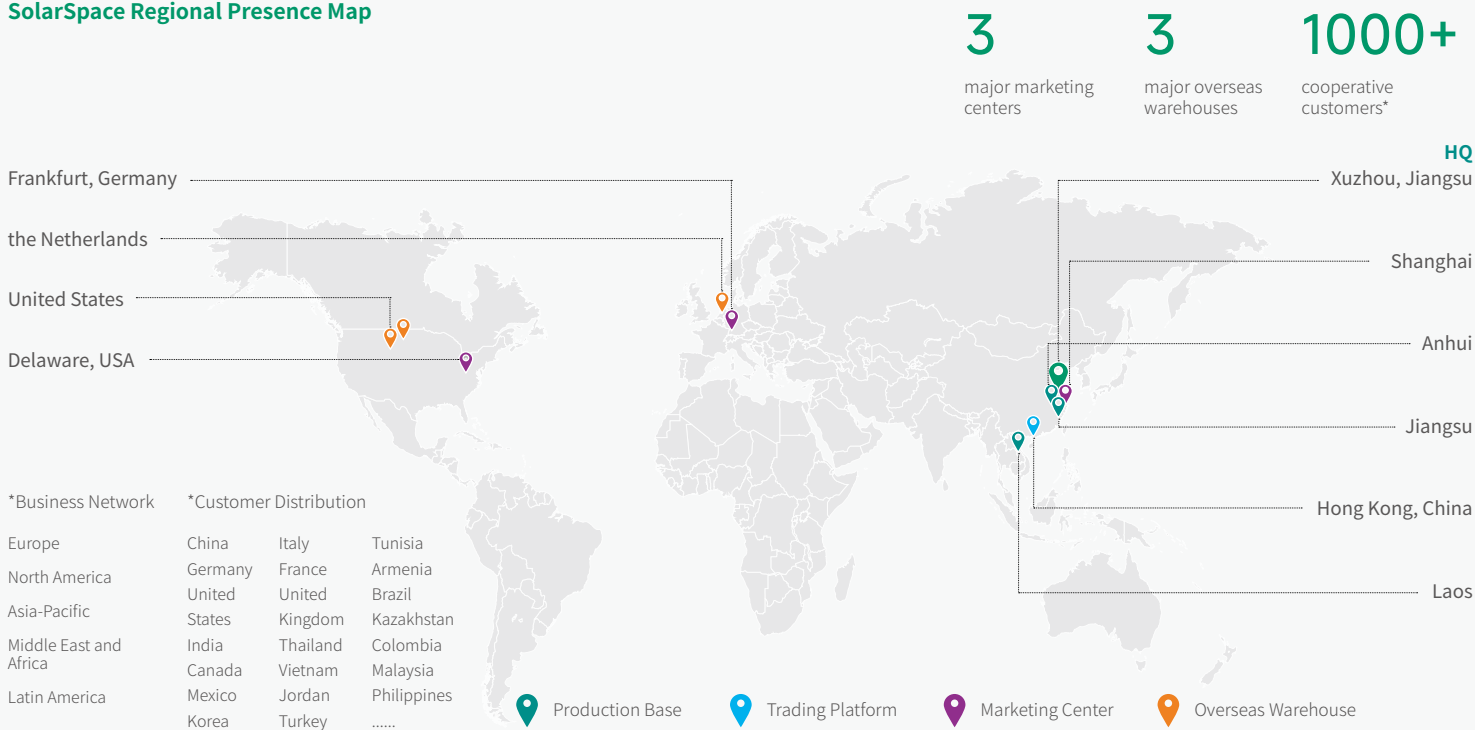
#### 2025

- According to InfoLink statistics, the Company ranked second globally in solar cell shipments in 2025
- The Company launched the new HJT high-efficiency modules and conducted a global tour
- The Company received the EcoVadis Bronze Certification and Dun & Bradstreet Registration Certification. It was also selected for the "Top 500 Global New Energy Enterprises 2025" jointly evaluated by *China Energy Daily* and the China Energy Economic Research Institute, as well as the "2024-2025 Forbes China Sustainable Development Industrial Enterprises" Selection Series published by Forbes China

## Business Presence

As a leading photovoltaic manufacturing producer in the industry, SolarSpace continues to provide high-value photovoltaic products and service solutions to customers globally. The Company's main business is the production and sales of N-type and P-type photovoltaic cells. While maintaining a continued focus on the photovoltaic cell industry, we have vertically expanded into the photovoltaic module industry to manufacture and sell photovoltaic modules. Our business operations span over 32 countries and regions, serving more than 1,000 clients.

### SolarSpace Regional Presence Map



## Product Overview

### Photovoltaic Cells

Conversion Efficiency

G12 TOPCon Solar Cells reaching more than

**27.2%**

G12R TOPCon Solar Cells reaching more than

**26.8%**

G12 PERC Solar Cell reaching more than

**23.6%**

M10 TOPCon Solar Cells reaching more than

**26.4%**

M10 PERC Solar Cells reaching more than

**23.4%**

### Photovoltaic Modules

Conversion Efficiency

High-efficiency N-type 210 TOPCon bifacial double-glass module (132 cells)

**23.0%**

High-efficiency N-type 210R TOPCon bifacial double-glass modules (132 cells)

**23.2%**

High-efficiency N-type 210R TOPCon Bifacial Dual-Glass Module (96 Cells)

**23.0%**

# Sustainable Development Highlights

## Superiority

### Excellence in New Energy



The Group and all production bases have obtained ISO 9001:2015 Quality Management System certification, with a coverage rate of

**100%**

The Group conducted a total of quality-related training sessions

**567**

with participant instances

**6,769**

a total training duration exceeding

**6,100** hours

Customer satisfaction for cell products reached

**90.18%**

while customer satisfaction for module products reached

**97.00%**



In 2025, R&D investment exceeded

RMB **267** million+

with the number of R&D personnel reaching

**426**



- **100%** of procurement personnel have completed sustainable procurement training and signed integrity agreements
- **100%** of suppliers have signed the *Supplier Product Quality Agreement*, *SolarSpace Supplier Trade Safety Commitment Letter*, *Supplier Environmental Occupational Health and Safety Agreement*, and the *SolarSpace Partner Code of Conduct*
- In 2025, ESG training was conducted for **113** suppliers, covering **100%** of Class A and B suppliers, with a total of **166** participants

## Environment

### Ecological Green Energy



The Group and all production bases have obtained ISO 14064:2018 Greenhouse Gas Management System certification, with a coverage rate of

**100%**

Compared to 2024, Scope 1 and Scope 2 greenhouse gas emission intensity decreased by

**23%**

- **3** products—PERC cells, TOPCon cells, and TOPCon modules—have been awarded Product Carbon Footprint Certificates by the National Inspection Group. **12** products have obtained French carbon footprint certificates. **7** products have received International Environmental Product Declaration (EPD) certification, and **11** products have obtained Life Cycle Assessment (LCA) Certification

The Group and **4** production bases have obtained ISO 14001:2015 Environmental Management System certification, with a coverage rate of

**83.3%**

The Group and **3** production bases have obtained ISO 50001:2018 Energy Management System certification, with a coverage rate of

**66.7%**

Compared to 2024, the electricity consumption intensity of cell products decreased by

**5.4%**

The water consumption intensity of cell products decreased by

**25.1%**



- The Chuzhou Base was awarded the title of "**Water-Saving Enterprise**"
- The Suqian and Peixian bases were awarded the title of **National Green Factory**, while the Chuzhou base was awarded **Municipal Green Factory**

# Empowerment

Value Creation



Employee training coverage reached

100%

with a cumulative training duration of

73,258 hours

The achievement rate of occupational health and safety goals across all manufacturing bases is

100%

The Group and 4 production bases have obtained ISO 45001 Occupational Health and Safety Management System certification, with a coverage rate of

83.3%

The coverage rate of safety and occupational health training across the Group and all bases reached

100%



- 470 sessions of three-level safety education for new employees were conducted, totaling 11,280 training hours and reaching 7,841 participants; 245 sessions of specialized occupational health and safety training were held, with a total duration of 245 hours and 114,936 participation instances

Actively fulfill local community responsibilities by organizing public welfare activities to care for special children in Laos and deepening cooperation with the National University of Laos, cumulatively creating local employment opportunities exceeding

1,500

# Discipline

Governance-Driven Excellence



Female Directors constitute

33%

of the Board of Directors



Conducted over

70 times

on-site investigations with existing shareholders

responded to more than

600

investor inquiry calls

- Achieved a 100% signing rate of the *employee Integrity Commitment* among newly hired employees and key personnel, and a 100% signing rate of the *SolarSpace Partner Code of Conduct* among partners
- Obtained ISO 37001:2016 Anti-Bribery Management System Certification
- 0 litigation cases arising from violations of business ethics or unfair competition

Business ethics training covered

100%

of Directors and Management

- 0 major information security incidents



# 2025 Honors and Awards



01

EcoVadis Bronze Medal



02

Selected for the "Certificate of China Corporate ESG 100 Index" list



06

ESG Excellence Practice Award



07

2025 Corporate Green Transformation and ESG Practice Cases



03

Selected for the "2024-2025 Forbes China Sustainable Development Industrial Enterprises" Selection Series



08

Award for Excellence in Sustainable Development



04

Selected for the 2025 "Global New Energy ESG Top 100"



05

Pioneer Enterprise in the "Dual Carbon" Practice



09

Sustainability Performance Award

Award	Awarding Organization
• 2025 China Energy Top 500 Enterprises	China Energy News
• "Helios" Global PV and Energy Storage · China's Business Card · 2025 Excellent Solar Cell Enterprises	China Business News
• 2025 Jiangsu Top 100 Manufacturing Enterprises	Jiangsu Province Enterprise Confederation
• MIIT PV Manufacturing Compliance List	Ministry of Industry and Information Technology
• Titanium Energy Award — Top 10 PV Cell Brands	International Energy Research Institution
• 2025 Global Top 500 New Energy Enterprises	China Institute of Energy Economics
• 2025 Jiangsu Unicorn Enterprise	Jiangsu New Quality Productivity Promotion Center
• PV Cell Innovation Pioneer Award	Shanghai Metals Market
• SMM 2025 H1 Tier1	Shanghai Metals Market
• Golden Cell Award	Moore PV
• Outstanding Enterprise Award	Moore PV
• PVBL Top 100 Solar PV Brands in the World	Century New Energy Network
• PVBL MOST INNOVATIVE ENTERPRISE IN PV & ES INDUSTRY 2025	Century New Energy Network
• A D-U-N-S Registered Company	Dun & Bradstreet

## The ISO management system certification status is as follows:

ISO Certification	Coverage
ISO 9001:2015 Quality Management System certification	the Group and all production bases
ISO 14064:2018 Greenhouse Gas Management System certification	the Group and all production bases
ISO 50001:2018 Energy Management System certification	the Group and 3 production bases
ISO 14001:2015 Environmental Management System certification	the Group and 4 production bases
ISO 45001:2018 Occupational Health and Safety Management System certification	the Group and 4 production bases
ISO 37001:2016 Anti-Bribery Management System certification	the Group
ISO 20400:2017 Sustainable Procurement — Guidance	the Group

## The status of product carbon footprint certification is as follows:

During the Reporting Period, SolarSpace continued the product carbon footprint assessment initiatives, accurately quantifying carbon emissions across the entire life cycle of its products. We have introduced third-party carbon footprint certification to rigorously audit and verify these life-cycle emissions.

### As of the End of the Reporting Period

**3** products

have obtained product carbon footprint certifications by the National Inspection Group

**12** products

have obtained French carbon footprint certifications

**7** products

have passed third-party EPD certifications

**11** products

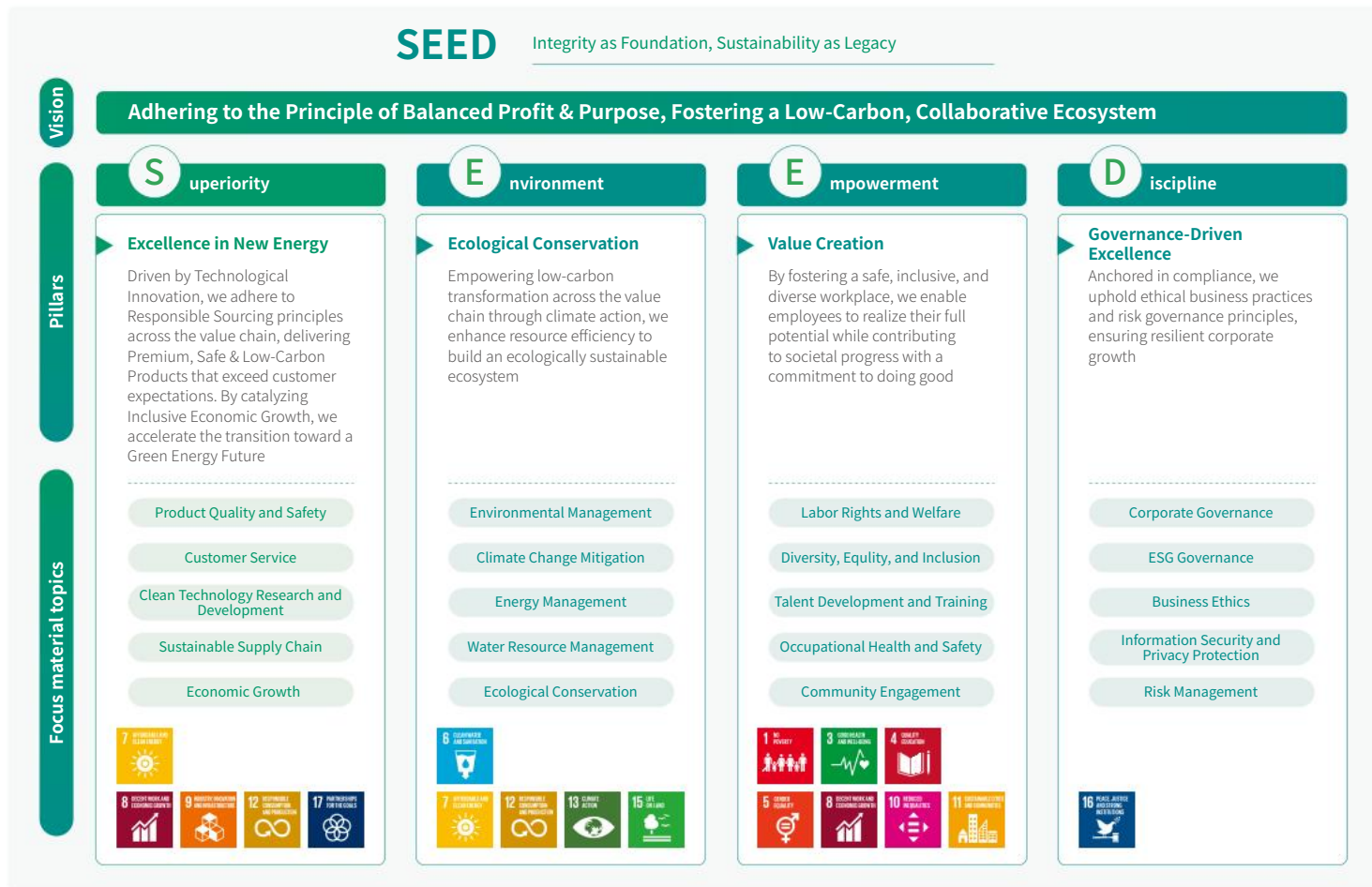
have received LCA certifications

# Sustainable Development Governance

SolarSpace has always positioned sustainable development as the core strategy for its long-term growth, comprehensively integrating Environmental, Social, and Governance (ESG) principles into corporate strategy and daily operations. We continue to refine the ESG governance structure and management system, actively listen to and respond to the voices of all stakeholders, and build a solid path toward a sustainable future through systematic and effective ESG practices.

## Sustainable Development Strategy

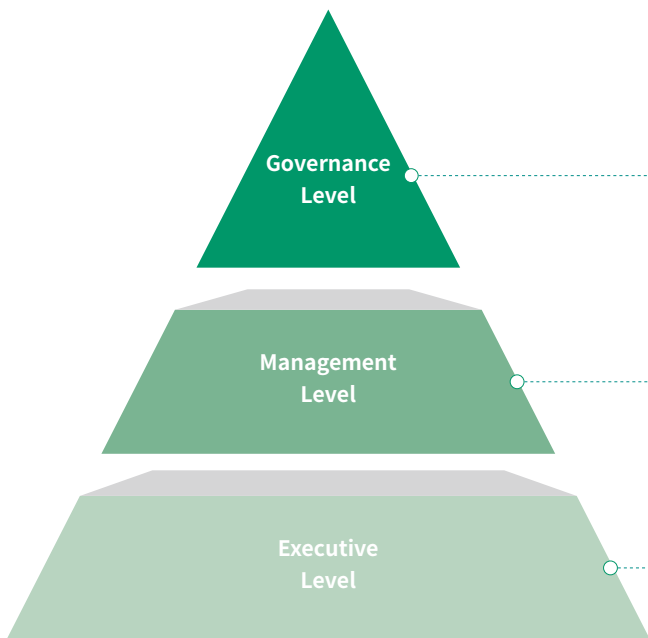
To systematically build sustainable capabilities and drive the realization of long-term value, we have formulated and implemented the SolarSpace SEED Sustainable Development Strategy. Guided by the philosophy of "Integrity as Foundation, Sustainability as Legacy", this strategy focuses on four key areas: Superiority, Environment, Empowerment, and Discipline. Through a systematic and structured action framework, it continuously strengthens the Company's ESG management foundation and responsible practices.



## Sustainable Development Governance

To ensure the systematic advancement and effective implementation of its sustainable development strategy, SolarSpace continues to refine its ESG governance framework by establishing the *Environmental, Social and Governance (ESG) Management System* and the *Board of Directors Strategy and Sustainable Development Committee Working Rules*, thereby clarifying responsibilities and collaboration mechanisms across all organizational levels. The Company has established a three-tier ESG governance structure covering the governance level, management level, and executive level. Through a mechanism characterized by clear responsibilities, regular reporting, and collaborative linkage, it promotes the comprehensive implementation of sustainable development goals across all levels of the Company.

### Sustainable Development Governance Framework



#### Board of Directors

The Board of Directors, as the highest decision-making body for ESG operations, provides overall leadership and decision-making for ESG management, including the approval and risk management of ESG matters, review of ESG strategies and objectives, supervision of target achievement, and review of the annual ESG report (including the materiality matrix).

#### Strategy & Sustainable Development Committee

The Strategy and Sustainable Development Committee, authorized by the Board of Directors, fulfills supervisory responsibilities for ESG matters in accordance with the *Rules of Procedure for the Board Strategy and Sustainable Development Committee*.

#### Sustainable Development Committee

Assists the Governance Level in formulating the Company's ESG strategy and objectives, oversees the implementation progress of ESG matters, and regularly reports to the Strategy and Sustainable Development Committee.

#### Sustainable Development Center

The Sustainable Development Committee has established the Sustainable Development Center (ESG Department), responsible for the overall coordination and advancement of ESG operations.

#### Working Group on Sustainable Development

The Sustainable Development Working Group comprises functional departments, the production base, and the marketing department, responsible for implementing ESG-related tasks.

SolarSpace has systematically advanced ESG capability building for all employees, covering directors, supervisors, and senior management. In 2025, the Company organized and conducted ESG general knowledge and practical training for all employees to comprehensively promote ESG concepts and implementation requirements.



Specialized Training and Capacity Building for ESG Report Assurance



EcoVadis Specialized Training

### 2025 SolarSpace ESG Training

ESG Management System Training

Supplier ESG Training

ESG Report Assurance Training

ISO 20400:2017 Sustainable Procurement-Guidance

EcoVadis Training in 2025

Training on the *Conflict Minerals Commitment and Management Policy*

ESG Report Training in 2025

Sustainable Development Sales Training

## Stakeholder Engagement

Through a sound communication mechanism, SolarSpace ensures smooth dialogue with stakeholders, actively responds to their expectations and needs, and ensures that our impact on the environment and society aligns with stakeholder expectations.

Key Stakeholders	Areas of Concern	Communication Methods
<p>Shareholders and Investors</p>	Corporate Governance Risk Management Business Ethics Economic Growth Clean Technology Research and Development Product Quality and Safety Environmental Management	Information Disclosure Shareholders' Meeting Financial Report ESG Report Investors Communication Meeting Investor Hotline Conference Call Online Meeting
<p>Customer</p>	Product Quality and Safety Clean Technology Research and Development Information Security and Privacy Protection Customer Service Business Ethics Environmental Management	New Product Launch Product Exhibition Product After-Sales Service On-Site Customer Research Customer Satisfaction Survey Routine Maintenance / Visit Interaction
<p>Employee</p>	Occupational Health and Safety Labor Rights and Welfare Talent Development and Training Industry Development and Cooperation Diversity, Equality, and Inclusion	Staff Representative Assembly Employee Activities Employee Training Employee Satisfaction Survey Employee Suggestion Box Employee Forums / Trade Union
<p>Government and Regulatory Authorities</p>	Corporate Governance Business Ethics Information Security and Privacy Protection Product Quality and Safety Occupational Health and Safety Community Engagement Climate Change Mitigation Environmental Management Energy Management Water Resource Management Ecological Conservation	Supervision and Inspection Meetings and Communication Policy Enforcement Information Disclosure On-site Investigation
<p>Suppliers and Partners</p>	Business Ethics Industry Collaboration and Development Labor Rights and Welfare Product Quality and Safety Sustainable Supply Chain	Supplier Audits and Training Partner Code of Conduct On-site Investigation Industry Exchange Forums
<p>Community and the Public</p>	Community Engagement Environmental Protection Climate Change Mitigation Water Resource Management Ecological Conservation Environmental Management	Community Volunteer Activities Public Welfare and Charitable Projects Information Disclosure
<p>Media</p>	Business Ethics Economic Growth Community Engagement Product Quality and Safety Clean Technology Research and Development Environmental Management Climate Change Mitigation	Telephone / Email Communication Media Interviews Information Disclosure Industry Conferences / Exhibitions

## Double Materiality Assessment

SolarSpace conducts an annual analysis of topic materiality, which is reviewed and ultimately approved by the Board of Directors. In 2025, in accordance with regulatory requirements and industry standards, the Company conducted a double materiality assessment on relevant topics through core department interviews, stakeholder engagement and feedback, questionnaires, and discussions among senior executives. Consequently, the 20 material ESG topics identified in 2024 were retained.

Based on the materiality assessment results derived from feedback from key stakeholders, we prioritized sustainability-related issues. The Board of Directors reviewed and confirmed the priority ranking of these material issues in alignment with the Company's strategy and operating policies.

The 2025 SolarSpace double materiality matrix is presented as follows:



SolarSpace Material Issues Table<sup>1</sup>:

Environmental	
● Environmental Management	● Water Resource Management
● Climate Change Mitigation	● Ecological Conservation
● Energy Management	

Social	
● Product Quality and Safety	● Diversity, Equity, and Inclusion
● Customer Service	● Talent Development and Training
● Clean Technology Research and Development	● Occupational Health and Safety
● Sustainable Supply Chain	● Community Engagement
● Labor Rights and Welfare	

Governance	
● Corporate Governance	● Information Security and Privacy Protection
● ESG Governance	● Risk Management
● Business Ethics	● Economic Growth

<sup>1</sup> Bolded topics represent double materiality issues.

# 01 Excellence in New Energy

SolarSpace remains dedicated to green manufacturing, pioneering technological advancements and collaborating with responsible suppliers to provide global customers with efficient, low-carbon, and reliable photovoltaic products and solutions. By driving technological innovation, implementing rigorous quality control, and optimizing customer service, SolarSpace continues to solidify its core competitiveness. It is committed to becoming a global leader in the photovoltaic industry, accelerating clean energy adoption, advancing the global net-zero agenda.

The United Nations Sustainable Development Goals (SDGs) relevant to this chapter include:

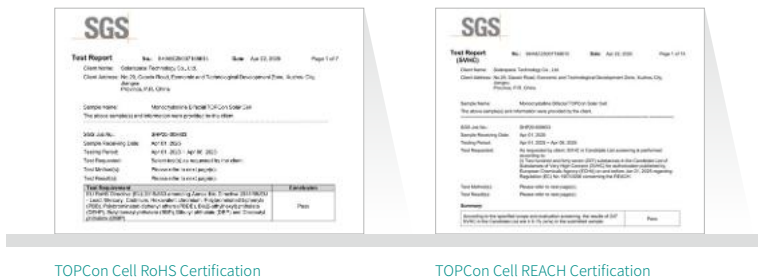


1.1

# Product Quality and Safety

SolarSpace has always placed product quality and safety at the core of its operations. By implementing rigorous quality control systems and processes, it consistently ensures that all products not only meet but exceed customer expectations.

The Company strictly complies with all applicable laws and regulations on environmental, health, and safety. It strengthens the management of hazardous substances throughout the entire product design and manufacturing process to ensure the safety of end products. The Company's TOPCon Cell products comply with the requirements of the European Union's *Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS)* and the *Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)* standards, with certification issued by the independent third party SGS.



## Quality Management System

SolarSpace established a series of policy documents, including the Quality Management Manual and Quality Inspection Standards, in accordance with applicable laws and regulations in its operating jurisdictions, such as the *Product Quality Law of the People's Republic of China*, the *Standardization Law of the People's Republic of China*, the *Renewable Energy Law of the People's Republic of China*, and the *Law on Industrial Processing*. These measures drive the standardization of product quality management. As of the end of the Reporting Period, the Group and all production bases have

obtained ISO 9001:2015 quality management system certification, achieving a coverage rate of 100%, and maintain regular annual reviews of their quality management system certificates.

The Company conducted diverse audit scenarios tailored to its business and management contexts, including specialized management audits, end-to-end order process audits, and on-site operational inspections at bases. For issues identified during the audit, the Company has established a full-process closed-loop management mechanism. Through issue classification and documentation, rectification progress tracking, and verification of rectification outcomes, the Company ensures that all issues are properly resolved, thereby promoting the effective operation of the quality management system.

The production bases achieved management upgrades through a standardized documentation system, the application of digital tools, and full-process quality traceability. The Chuzhou base strengthened process monitoring through automated inspection and intelligent early warning systems; the Laos base enhanced management efficiency by relying on systematic audit rectification and the implementation of the Manufacturing Execution System (MES). Each base integrated systematic construction with technological innovation to continuously optimize quality control capabilities.

### Highlights and Achievements of Quality Management Initiatives at Production Bases

Base	Initiatives	Achievements
Peixian Base	<ul style="list-style-type: none"> <li>Established a three-tier document system to standardize management across the entire process, including material inspection and process specifications</li> <li>Mitigated order management risks and ensure quality stability by implementing a proactive risk management process "Review - Trial Production - Mass Production"</li> </ul>	<ul style="list-style-type: none"> <li>The annual customer inspection pass rate reached 100%</li> </ul>
Chuzhou Base	<ul style="list-style-type: none"> <li>Optimized cross-departmental process forms and incoming inspection documents to enhance operational efficiency and quality</li> <li>Enabled real-time tracking of quality data and automated anomaly alerts through online sheet resistance testing, automated optical inspection (AOI), and intelligent MES and QMS systems</li> <li>Launched a targeted improvement initiative to optimize product packaging, reduced consumable usage, and enhanced delivery quality</li> </ul>	<ul style="list-style-type: none"> <li>Process management capabilities improved, and the in-process rework rate decreased</li> <li>A targeted packaging optimization initiative reduced overall packaging costs per 10,000 units by 13.42%</li> </ul>
Laos Base	<ul style="list-style-type: none"> <li>Completed four key improvement projects and conducted monthly quality meetings to drive goal achievement and ensure closed-loop management of non-conformities</li> <li>Conducted 19 quality system audit rectifications to continuously improve management processes</li> <li>Deployed the MES system to enable quality traceability, automated parameter verification, and real-time data feedback, thereby enhancing management precision and efficiency</li> </ul>	<ul style="list-style-type: none"> <li>Key improvement projects generated cost savings of RMB 2,178,662</li> <li>The recurrence rate of on-site non-conformities dropped by 40%, and the corrective action closure rate reached 100%</li> </ul>

### Module technology team optimized key material design for extreme weather to enhance product reliability



In response to the frequent hailstorms in the US Midwest and East, the module technology team optimized the design of key materials such as frames and glass based on test data and O&M feedback to enhance module impact resistance. The new generation of high-strength modules successfully passed the 55mm hailstone impact test. This product effectively reduced physical damage caused by extreme weather and minimized power generation losses, significantly enhancing the reliability of photovoltaic systems in disaster-prone environments.

### Laos base implemented product quality improvements driven by customer feedback



To improve the damage-free arrival rate of ILL products, the base established a cross-functional working group comprising members from customer service, engineering, warehousing, quality, and logistics. The team formulated and implemented an improvement plan, upgraded to heavier-duty, multi-layer cartons and standardized air freight packaging with steel wire reinforcement and foam cushioning. In October 2025, the base shipped a cumulative total of 21.47 million units. Customer feedback confirmed zero damage upon delivery, and the root causes were fundamentally resolved, safeguarding delivery quality and customer satisfaction.

## Quality Certification

The Company places high priority on product quality and actively pursued domestic and international certifications. The product has passed international standard tests including Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval (IEC 61215), Photovoltaic (PV) Module Safety Qualification (IEC 61730), Salt Mist Corrosion Testing of Photovoltaic (PV) Modules (IEC 61701), Environmental Testing – Part 2-68: Test L: Dust and Sand (IEC 60068-2-68), and Ammonia Corrosion Testing of Photovoltaic (PV) Modules (IEC 62716). Leveraging in-house cells and advanced encapsulation processes, the Company achieved power degradation rates during testing that fell well below IEC thresholds.

#### Product Certification Name

PCCC Certification

CQC Certification

IEC Certification

MCS Certification

## Product Compliance

The Company designed and developed products in strict compliance with energy efficiency, safety, and environmental labeling requirements for photovoltaic products issued by the State Administration for Market Regulation. Products exported to the U.S. market obtained Underwriters Laboratories (UL) safety certification. Additionally, the Company has obtained CEC energy efficiency certification and FSEC solar equipment performance certification for its flagship products. Products exported to the European market have obtained safety certifications issued by the German Technical Inspection Association (IEC certification) and EU mandatory CE marking.

## Product Life Cycle Management

The Company embedded a quality-first philosophy into every stage of product design, manufacturing, and application. By rigorously managing five key areas—raw material control, process control, reliability monitoring, finished goods shipment control, and after-sales service—the Company maintained consistent quality excellence in quality standards is maintained throughout the entire product lifecycle. In 2025, the Laos base optimized processes including incoming material inspection, customer audit and approval workflows, process change management, and warehouse inventory and shipment control. These measures significantly enhanced process stability and ensuring secure and fully controlled outbound shipments. The Company complies with regulatory requirements under the *Product Quality Law* and the *Interim Provisions on the Administration of Recall of Consumer Goods*, and established a recall management mechanism to standardize the processes for defect identification, assessment, recall, and corrective actions regarding photovoltaic module products. During the Reporting Period, the Company recorded zero product recalls.

#### Raw Material Control

- Supplier Source Management
- Raw Material Technical Inspection Standard Control
- Sorting Equipment Enhances Control Efficiency
- Traceability mechanism for feedback of substandard raw materials

#### Process Control

- Confirmation of Management Regulations
- Multiple Process Controls and Quality Inspections
- Unified Quality Control Process (QCP)
- Real-time push of SPC data anomalies
- CPK stabilization process capability analysis
- Highly accurate MES traceability

#### Reliability Monitoring

- High-frequency monitoring programme covering every BOM set
- Industry-leading Reliability Monitoring Frequency

#### Shipment Control Finished Goods Control

- Finished products off the line to shipment through a full range of inspection and confirmation, minimizing delivery risks and enhancing customer satisfaction.

#### Product After-sales Service

- Conduct special analyses of customer complaints, give rectification measures, and formulate corresponding 8D reports.

## Enhancement of Quality Awareness

All production bases of the Company conducted comprehensive quality training to enhance employees' quality awareness and skills, cultivating and embedding a quality-driven culture. During the Reporting Period, company-wide training programs covered content including training on quality awareness, quality policies, quality tools, operational competencies, management skills, and hands-on practical training.

### During the Reporting Period

The Company conducted a total of

**567**

quality-related training sessions

Participant

**6,769**

A total training duration exceeding

**6,100** hours

(Data encompasses five production bases)

All quality management objectives for the Peixian base in 2025 **have been achieved** ✓

The Grade A yield rate of modules

**≥ 99.5%**

Customer inspection pass rate

**100%**

Customer factory audit pass rate

**100%**

The pass rate of incoming raw materials

**≥ 97%**

All quality management objectives for the Chuzhou base in 2025 **have been achieved** ✓

Customer return rate

**≤ 0.3%**

The defect rate of finished product spot checks

**≤ 0.03%**

All quality management objectives for the Lao base in 2025 **have been achieved** ✓

Grade A yield rate

**≥ 99%**

Inspection pass rate

**97%**

Factory audit pass rate

**100%**

The pass rate of incoming raw materials

**≥ 97%**



## 1.2 Customer Service

SolarSpace consistently adhered to a "customer-centric" service philosophy, deeply focusing on customer needs. The Company has established a comprehensive, multi-tiered service system. Through the end-to-end support by its professional team, it implemented closed-loop service management ranging from pre-sales review and in-process follow-up to post-sales tracking, ensuring that customer needs were efficiently addressed and continuously met.

### Pre-sales Evaluation

The Company strictly complied with regulatory requirements in its operating jurisdictions, including the *Bidding Law of the People's Republic of China* and established a comprehensive compliance management framework. This framework encompassed specific policies such as the *Module Sales Management System*, the *Module Bidding Management Regulations*, and the *Module Order Review Management System*, ensuring transparent and accurate communication of accurate product and service information is conveyed to the market and customers. Concurrently, the Company has established a normalized product and technology training system. We regularly organized specialized training sessions for its sales and marketing teams, covering product introductions, new product launches, and competitive analysis. This ensured that the team comprehensively masters product knowledge and can

professionally and accurately convey product value and service information to customers.

The Company implemented a pre-delivery assessment mechanism. By proactively identifying customer needs and potential risk points, the Company coordinated production, R&D, and technical teams to evaluate project-specific variables, enabling precise identification and filtering of risk factors. Based on the assessment results, the Company established a two-way communication mechanism with customers to collaboratively address core requirements. At the same time, SolarSpace enhanced new product introduction efficiency by tracking manufacturing change requests, refining customer requirement data, and optimizing the import process, ensuring product performance closely matched market demands.

#### Deepening client engagement to expand cooperation scope

To further deepen the strategic cooperation with core customers, in April 2025, the North American sales and technical support team of SolarSpace made a dedicated visit to the client's Shanghai branch for in-depth strategic discussions.

The Company systematically presented the performance advantages and reliability data of its core module products. It focused on sharing enhanced modules and comprehensive solutions tailored for special application scenarios and elaborated in detail on the multiple internationally recognized certifications obtained by the products.

Through in-depth and comprehensive technical exchanges, the product reliability and project delivery capabilities of SolarSpace received high praise from customers. Customers have committed to extending their cooperation with SolarSpace from the North American market to the global market.

### Responsible Marketing

The Company strictly complies with the *Advertising Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, the *Law of the People's Republic of China on the Protection of Consumer Rights and Interests*, and the *Convention on Integrity Calibration and Traceability Self-Discipline of Photovoltaic Module Power Standards*. The Company has updated its *Cell Sales Management System* and established an external promotional material review mechanism to ensure that all advertising and promotional content is truthful and lawful, thereby eliminating false advertising or misleading claims. During the Reporting Period, no litigation or administrative penalties occurred due to promotional violations.



- Conducted monthly Marketing Department meetings and organized 3 brand compliance training sessions to enhance social media marketing efficiency.
- Strictly labeled product "power tolerance" to ensure customers' right to know.
- Clarified the sources of fonts, music, and images in promotional materials, eliminating copyright disputes.
- Established a promotional content filing system to ensure traceability.

### Sales Follow-up

The Company established a rapid response system by dynamically monitoring product usage data to provide customers with professional technical support and manufacturing integration recommendations. The Company established a multi-dimensional customer communication platform and regularly conducted customer exchange meetings and quarterly review sessions to actively solicited customers' feedback, fostering constructive two-way engagement.

During the Reporting Period, we conducted over 60 client visits to engage in in-depth discussions regarding industry development trends, clients' operational challenges, and future order requirements. We collected issues and client needs on-site and organized relevant internal departments to drive internal optimizations. Simultaneously, the Company advanced the introduction of new products and technologies to better serve our customers.

#### During the Reporting Period

We conducted client visits over

60



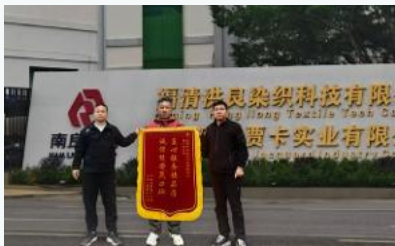
### SolarSpace's customer-centric approach earned high recognition



During client engagements, SolarSpace proactively identified specific operational requirements and provided value-added services for end-user power stations. By utilizing thermal imaging to detect module hot spots and promptly mitigating potential hazards, the Company optimized plant power generation yield and revenue. In recognition of these efforts, clients formally presented letters of appreciation and commemorative banners.



A letter of appreciation from customer



A commemorative banner presented by customer

To further enhance customer service capabilities, the Company conducted multiple training sessions for module customer service personnel, including technical training at on-site technical training, client reception protocols, and module fault diagnosis & resolution.

## After-sales Tracking

The Company established a post-sales management system encompassing the *After-sales Management System for Module Products*, *After-sales Management System for Cell Products*, and the *Customer Satisfaction Management Procedure*. The Company established dedicated communication channels, including a dedicated hotline, email address, a customer complaint and return application management system, and a quality reporting platform. By implementing rapid response protocols, the Company managed customer feedback end-to-end. Through internal investigations, root cause analysis, and complaint review meetings, the Company developed improvement plans aligned with *8D Corrective and Preventive Action Reports*, ensuring all resolutions met customer approval.

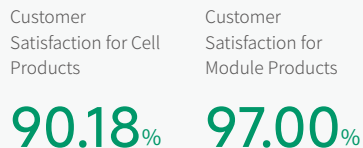
## After-sales Service

- 3 domestic after-sales service teams in Xuzhou (Jiangsu), Suqian (Jiangsu), and Chuzhou (Anhui)
- 1 overseas after-sales service team in Vientiane, Laos
- Globally available 7×24-hour real-time response
- 100% of customer complaints are addressed

## Customer Satisfaction

The Company strictly abides by the *Customer Satisfaction Management Procedure* and carries out regular customer satisfaction surveys, reviews and rectifications. Covering all aspects such as product quality, electrical performance, delivery timeliness, cost performance and after-sales service guarantee, these efforts form a complete closed-loop management system. Customer satisfaction surveys target battery cell clients with an annual procurement volume of no less than 20 million pieces and over three months of cooperation, module clients with an annual procurement volume of 50MW and above, as well as all clients with audit and supervision manufacturing orders.

### Customer Satisfaction Survey Results



### The Laos base launched a targeted improvement initiative based on the results of customer satisfaction surveys



Based on feedback from customer satisfaction surveys, the module team at the Laos base launched a targeted improvement initiative and conducted joint training for all departments. This initiative enabled effective on-site issue response within 5 minutes, prompt resolution of critical issues, report confirmation and delivery within 72 hours, and provision of required materials within 6 hours. Customer satisfaction with response speed increased from 9 to 10 (out of a maximum of 10), driving renewed interest in repeat business and follow-up orders.

## Customer Privacy Protection

The Company fully safeguarded customers' information rights and interests. It strictly adhered to the principles of lawfulness, fairness, transparency, and necessity when collecting data required for services, and ensures that customer authorization or consent is obtained prior to the collection of personal information. When collecting personal information via web platforms and official social media, the Company obtained explicit user consent through the User Agreement and a standalone Privacy Policy.

Additionally, the Company assigned dedicated customer service representatives, implemented a regular data cleanup protocol for client communication groups, and established an encrypted communication environment to safeguard data privacy. The Company ensured customers retained full data management rights, including access, correction, deletion, and data portability. During the Reporting Period, no complaints were received regarding infringement of customer privacy or loss of customer data. Specific implementation rules are detailed in the Information Security and Privacy Protection section.

## 1.3

# Clean Technology Research and Development

SolarSpace recognized the strategic importance of R&D innovation as the core engine for sustainable development. By establishing a continuously optimized R&D framework, the Company strengthened the synergistic focus on product iteration and technological breakthroughs. The Company actively participated in industry exchanges to ensure that our R&D outcomes closely aligned with market demands and consistently delivered industry-leading innovative outcomes.

## R&D System

The Company positioned R&D innovation as its strategic core, achieving vertical integration from PV cell technological breakthroughs to comprehensive module solutions. The Company proactively identified customer requirements and continuously advanced the iteration of high-efficiency, low-carbon technologies to deliver exemplary solutions for sustainable industry development.

### 2025 SolarSpace PV R&D Innovation Performance Report

Number of R&D Projects

36

R&D Investment

RMB 267 million+

R&D expenditure as a percentage of total revenue

1.67%

Number of R&D Personnel

426

Proportion of R&D personnel to full-time employees

9.00%

Furthermore, through the flexible design of production facilities, we are able to provide adaptable manufacturing processes for photovoltaic cells with various technical specifications, resulting in sustained improvements in conversion efficiency and a sustained reduction in non-silicon costs. During the Reporting Period, the Company's major technological innovations included high-surface shallow junction, rear-side dual-tunneling, rear-side polysilicon patterning, and laser grooving isolation passivation. Our R&D investment has effectively ensured product competitiveness.

The Company subjected to its core Lumina series N-type TOPCon modules to comprehensive accelerated aging tests under stringent requirements that exceed industry standards. The testing protocols were rigorously benchmarked against the enhanced standards of internationally recognized testing bodies such as PVEL and RETC. All test results were validated by third-party laboratories and documented in traceable reports.

## Accelerated Aging Test Results

### Damp Heat (DH) Aging Test

- The module power degradation rate was only 1.5%, significantly lower than the industry average (3%-5%)
- Achieved 100% encapsulation integrity

### Thermal Cycling (TC) Aging Test

- Limited power degradation to within 1.8%
- Demonstrated internationally leading resilience to drastic temperature fluctuations

### Ultraviolet-Induced Degradation (UVID) Test

- The appearance of the modules shows no signs of backsheet chalking or yellowing
- The power conversion efficiency degradation is only 1.2%, significantly lower than the industry average degradation level (2.5%)

### Combined Aging Test for Light-Induced Degradation (LID) and Light and Elevated Temperature-Induced Degradation (LeTID)

- Recorded a cumulative module degradation rate of <2%
- Maintained the "Best in Class" rating in PVEL benchmark testing, significantly outperforming the IEC maximum degradation limit of 5%

The Lumina series modules successfully underwent RETC's proprietary "Thresher" reliability testing program and earned the RETC 2025 "Overall Highest Achiever" award.

Through multi-dimensional and highly rigorous accelerated aging tests, along with verification from authoritative institutions via traceable reports, SolarSpace's module reliability not only met market entry and grid compliance standards of mainstream domestic and international markets and provided a 25+ year energy yield guarantee for downstream power station projects. This tangible fulfillment of the ESG commitment to "sustainability throughout the product lifecycle".

## Green and Intelligent Process Engineering

### Low-carbon Products

SolarSpace aligned with the national Dual Carbon strategy and systematically established a green product portfolio and service framework. The Company conducted product carbon footprint calculations, completed third-party verification of Environmental Product Declarations (EPD), and secured Life Cycle Assessment (LCA) verification and EPD certifications, continuously strengthening the sustainable competitiveness of its products.

As of the end of the Reporting Period, the Company obtained Carbon Footprint Certificates from CTC (China National Testing Group) for three products, French ECS-PPE2\_V1 certification, French ECS-PPE2\_V2 PV Bâtiment certification for two products, EPD third-party verification for seven products, and LCA certification for eleven products. At the same time, the Suqian Base and Peixian Base were recognized as National Green Factories, while the Chuzhou Base was recognized as a Municipal Green Factory.

This marked a significant breakthrough for the Company in low-carbon manufacturing and green development, laying a solid foundation for expanding into Europe's high-end markets.



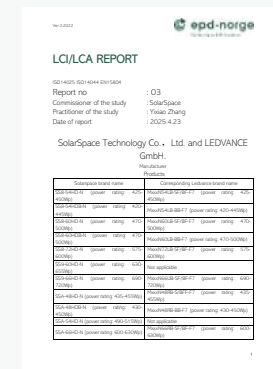
Carbon Footprint Certificate for Solar Cells and Modules



EPD Certification



Certificate of Carbon Footprint for Modules in France



Carbon Footprint LCA Certification

## Intelligent Manufacturing

The Company adjusted manufacturing processes in real time based on customers' production standards and process requirements, enabling the deployment of customized production lines. Building on this framework, the Company continuously advanced material selection, structural design, and process engineering to enhance product performance metrics and deliver solutions tailored to diverse requirements.

### Material Selection

- Utilized thinner silicon wafers to significantly reduce silicon material consumption and embedded carbon emissions
- Developed low-lead solar cells, reducing lead content while maintaining efficiency and reliability

### Structural Optimization

- Implemented multi-busbar (MBB) design to mitigate hot spot effects and enhance power generation efficiency
- Mitigated Light-Induced Degradation (LID) and Light and Elevated Temperature-Induced Degradation (LeTID), and enhanced low-light performance through optimized optical and circuit design
- Increased cell conversion efficiency and bifaciality, and improved overall performance through optimized protective structures
- Mitigated module degradation, extended operational lifespan, and reduced the failure rate

### Process Optimization

- Optimized thin-film stack design and deposition processes to enhance cell passivation and reduce degradation rates
- Refined cutting parameters and processes to minimize stress concentration and microcracks from mechanical stress, thereby increasing load-bearing capacity
- Incorporated advanced thermal management technologies, such as liquid cooling systems and heat pipes, to effectively regulate module operating temperatures
- Developed energy-efficient processes by lowering temperatures in key steps like boron diffusion, thereby reducing production-related carbon emissions
- Developed low-emission processes to decrease the consumption and release of hazardous chemicals

In 2025, the Company established an intelligent production system during the R&D pilot phase by deploying an end-to-end digital traceability system to aggregate cell-level manufacturing data. The system constructed a process parameter matrix to precisely correlate batch yield with conversion efficiency, establishing a data-driven foundation for product iteration.

## Digital and Intelligent Transformation

Building on its digital strategy, the Company advanced the development of an intelligent industrial ecosystem spanning the entire PV value chain. The Company promoted the deep integration of smart production lines and enterprise digital systems. By introducing smart factory paradigms, it built an end-to-end digital platform covering R&D, production, and delivery. This achieved lean, digital, and intelligent internal operations, alongside seamless external supply chain integration, driving the comprehensive transformation of smart manufacturing. Through digitalization, the Company effectively enhanced product quality stability, reduced energy and resource consumption, improved production efficiency, and lowered long-term operating costs.



## Open Innovation Ecosystem

SolarSpace upheld a philosophy of open collaboration and mutual benefit. The Company actively participated in industry organizations and exchange platforms, shared best practices in technological innovation and sustainable development, contributed to the industry's high-quality growth, and fostered a collaborative industry ecosystem.

### February



• World Smart Energy Week  
Tokyo, Japan



• Solar Pakistan  
Lahore, Pakistan



• Intersolar North America  
San Diego, USA

### March



• Solar Solution  
Amsterdam, Netherlands



• BEPOSITIVE  
Lyon, France

### April



• Solar Istanbul  
Istanbul, Turkey

### November



• Genera  
Madrid, Spain

### September



• RE+  
Las Vegas, USA

### July



• Asean Sustainable Energy Week  
Bangkok, Thailand

### June



• 18th (2025) International Photovoltaic Power Generation and Smart Energy Conference & Exhibition  
Shanghai, China

### May



• Intersolar Europe  
Munich, Germany



• America Clean Power  
Phoenix, USA

### SNEC PV Power Expo



The 18th International Solar Photovoltaic & Smart Energy Conference & Exhibition was held in June 2025 at the National Exhibition and Convention Center (Shanghai). SolarSpace showcased multiple high-efficiency new products and cutting-edge solutions under the theme "N-Type Power, Limitless Decarbonization," demonstrating its technical leadership in PV innovation and green energy development.

The SolarSpace ESG team delivered a keynote presentation on the Company's ESG strategy and practices, highlighting its strong commitment to sustainability and earning widespread industry recognition. The presentation emphasized: "Integrating ESG with the Dual Carbon strategy represents a development path with Chinese characteristics. SolarSpace will align with this global momentum, actively advance green practices, and contribute its expertise to global sustainable development."



SNEC PV Power Expo

### 2025 SolarSpace Industry Association Participation Table

Industry Association	Tenure
China Photovoltaic Industry Association	Member
China Chamber of Commerce for Import and Export of Machinery and Electronic Products	Member
Jiangsu Photovoltaic Industry Association	Governing Unit
Jiangsu Province Renewable Energy Industry Association	Permanent Member of Council
Xuzhou Photovoltaic Industry Association	Governing Unit
Solar Energy Industries Association (SEIA), USA	Watt Member
Laos Chinese New Energy Development Enterprise Association	Ordinary Member
Unión Española Fotovoltaica	Member

## Intellectual Property Protection

SolarSpace strictly complied with laws and regulations such as the *Patent Law of the People's Republic of China* and the *Trademark Law of the People's Republic of China*. The Company systematically established an intellectual property management system, formulated internal policies including the *Trademark Management System*, the *Patent Management System*, and the *Intellectual Property Management System*, and established an intellectual property reward mechanism to provide legal safeguards for technological innovation and R&D activities.

### Intellectual Property Protection Measures

- Maintained cross-departmental communication during the R&D process to stay abreast of technological advancements and file patent applications in a timely manner
- Maximized the protection of technology by incorporating as many details as possible in patent applications
- Evaluated and select qualified patent agencies to ensure the smooth filing of patent applications
- Monitored patent litigation involving industry peers and develop targeted workaround solutions
- Developed trademark strategies based on market conditions, and promptly pursue new registrations and class expansions for international trademarks



### Intellectual Property Protection Training

- Provided patent application training for the Technical Center Department
- Organized IP-related training focused on listed companies for the Intellectual Property Department
- Participated in government-sponsored intellectual property training sessions



### As of the End of the Reporting Period

The Company had accumulated a total of

**515** patents

Comprising invention patents

**97**

Utility model patents

**418**



# 1.4 Sustainable Supply Chain

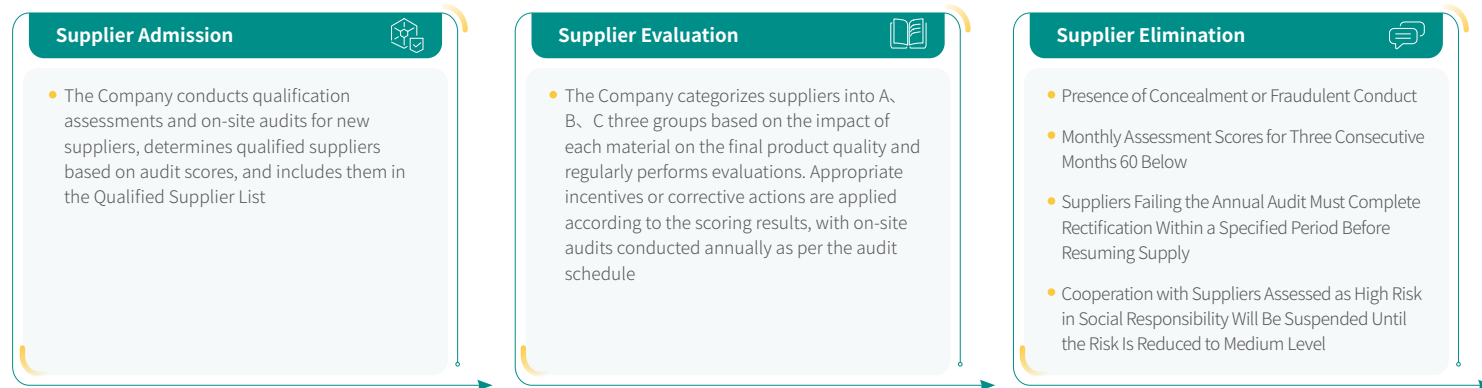
SolarSpace has established a sustainable supply chain system to ensure stable product and service quality and uninterrupted supply. By prioritizing suppliers that meet social responsibility requirements, strengthening social responsibility audits for suppliers, and promoting collaborative innovation across upstream and downstream enterprises, the Company advanced the development of sustainable supply chain ecosystem.

## Supplier Management

The Company continuously refined its supplier management system by establishing a full lifecycle management framework for suppliers, spanning from onboarding to exit. This framework encompassed key policies including the *Supplier Management Control Procedures*, the *Production Materials Procurement Management System*, the *Raw Material Abnormality Management Regulations*, and the *ECCB Management Regulations*, thereby comprehensively standardizing supplier management.

As of the end of the Reporting Period, SolarSpace had 127 raw material suppliers, including 115 suppliers in mainland China, 2 suppliers in the Hong Kong, Macao and Taiwan regions of China, and 10 overseas suppliers.

### Supplier Management Mechanism



Through the implementation of a robust supplier management framework, incoming material quality stability consistently improved, and the Company's overall supply chain quality performance demonstrated a steady upward trend. During the Reporting Period, the Incoming Quality Rate<sup>2</sup> increased to 99.42%, representing a year-over-year improvement of 0.57 percentage points.

<p>Percentage of procurement personnel who have completed sustainable procurement training</p> <p style="font-size: 2em; color: #008080;"><b>100%</b></p>	<p>Signing Rate of <i>Employee Integrity Commitment</i> for Procurement Personnel</p> <p style="font-size: 2em; color: #008080;"><b>100%</b></p>	<p>Supplier<sup>3</sup> Code of Conduct Agreement Signing Rate (The Code of Conduct encompasses key ESG considerations including business ethics, labor human rights, environmental health and safety, and integrity in professional practice)</p> <p style="font-size: 2em; color: #008080;"><b>100%</b></p>
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<sup>2</sup> Incoming Quality Rate = Qualified Batches / Total Batches \* 100%.

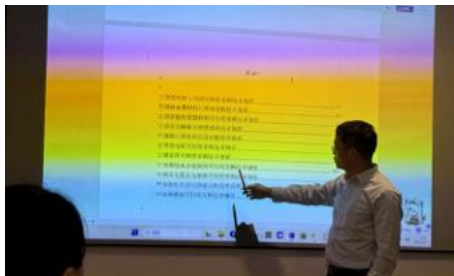
<sup>3</sup> Here, "supplier" refers specifically to raw material suppliers.

## Sustainable Procurement

SolarSpace has established a sustainable procurement management system and obtained a conformity statement for ISO 20400:2017 Sustainable Procurement-Guidance from an authoritative third-party institution. This integration of environmental and social responsibility, and economic benefits provided a practical model for achieving the Company's sustainable development goals and driving sustainable transformation across the industry. During the Reporting Period, the Company has conducted sustainable procurement training for all purchasers.



Compliance Statement with ISO 20400:2017



April 2025 ISO 20400:2017 Sustainable Procurement-Guidance Training

The Company incorporated sustainable procurement requirements into its management policies, including the *Supplier Management Control Procedure*, the *Regulations on the Management of Raw Material Suppliers*, the *Sustainable Supply Chain Due Diligence Management Regulations*, and the *SolarSpace Partner Code of Conduct*. In procurement decision-making, the Company considered suppliers' environmental performance, social responsibility, and business ethics. Furthermore, the Company established a rigorous screening mechanism within the supplier qualification process to ensure compliance with international social responsibility standards and applicable environmental regulations. During the Reporting Period, we conducted ESG questionnaire assessments for new suppliers and selected 23 new suppliers based on their ESG performance. Simultaneously, we explicitly required suppliers to adhere to sustainability requirements through contractual clauses and conducted regular assessments and on-site audits to drive continuous improvement. In 2025, we conducted on-site audits of 42 key suppliers in our cooperation network, comprising 26 Class A suppliers<sup>4</sup> and 16 Class B suppliers<sup>5</sup>.

We actively promoted green procurement practices by prioritizing the purchase of low-carbon, recyclable, or renewable materials. Through training, capacity building, and joint improvement programs, we enhanced suppliers' sustainability capabilities. Additionally, the Company established an independent grievance and reporting mechanism to ensure that any violations of sustainability principles within the supply chain were promptly identified, investigated, and remediated.

### The Three Core Elements of SolarSpace's Sustainable Procurement Policy

#### Environmentally Friendly

- Prioritized suppliers that provided products and services compliant with environmental standards when selecting suppliers
- During the supplier onboarding phase, required suppliers to provide ISO 14001 certifications such as Environmental Management System and corporate carbon footprint. ESG Relevant management certification documents



#### Social Responsibility

- During procurement, the Company emphasized social responsibility within the supply chain, ensuring that suppliers adhere to labor and human rights, refrain from using heavy or forced labor, and maintain fairness and transparency throughout the supply chain
- Suppliers were encouraged to adopt fair and transparent business practices and to respect human rights and labor rights



#### Economic Benefits

- Sustainable procurement requires enterprises to comprehensively consider economic benefits throughout the procurement process, ensuring that procured products and services are economically viable
- By implementing rigorous cost control and optimizing supply chain management, achieved sustained economic benefits



<sup>4</sup> Class A suppliers refer to those supplying key raw materials (materials that significantly impact product performance).

<sup>5</sup> Class B suppliers refer to those providing auxiliary materials (materials that have a certain impact on product performance).

## 2025 Performance Table of SolarSpace class A and class B Suppliers' ISO System Certifications

Percentage of suppliers certified under the ISO 9001:2015 Quality Management System

**98.23%**

Percentage of suppliers certified under the ISO 14001:2015 Environmental Management System

**93.81%**

Percentage of suppliers certified under the ISO 45001:2018 Occupational Health and Safety Management System

**92.92%**



## Number of suppliers with other certifications

Certification Name	Number of Certified Suppliers
ISO 50001:2018 Energy Management System Certification	21
Green Factory Certification	10
ISO 14067:2018 Product Carbon Footprint Certification	9
SA 8000 Social Responsibility Management System Certification	5
ISO 14064:2018 Greenhouse Gas Management System Certification	5

The Company continued to advance ISO 50001:2018 Energy Management System certification among its silicon wafer suppliers. During the Reporting Period, 13 of the 15 silicon wafer suppliers obtained certification, achieving a coverage rate of 86.67%, an increase of 57.26% compared to 2024. This initiative provided strong support for the Company's low-carbon transformation and responsible procurement strategy implementation.

To achieve green and responsible procurement, the Company required all suppliers to sign the *SolarSpace Supplier Trade Safety Commitment Letter*, the *Supplier Environmental Occupational Health and Safety Agreement*, and the *SolarSpace Partner Code of Conduct*, ensuring that their cooperative practices comply with international standards regarding anti-corruption, labor rights, health and safety, and environmental protection.

### As of the End of the Reporting Period

Class A and Class B raw material suppliers<sup>6</sup> have signed the *SolarSpace Supplier Trade Safety Commitment Letter*, the *Supplier Environmental Occupational Health and Safety Agreement*, and the *SolarSpace Partner Code of Conduct*.

**100%**



<sup>6</sup> The data scope covers Class A and Class B raw material suppliers of SolarSpace.

## Supply Chain ESG Risk Management

The Company conducted ESG surveys for qualified suppliers and social responsibility risk assessments. Through the *Supplier ESG Questionnaire*, information regarding labor rights, environmental protection, business ethics, and sustainable procurement for qualified Category A and B suppliers is collected. Based on the completed questionnaire, the *Supplier KYS Risk Assessment Summary Table* is filled out. The Company implemented corresponding measures for suppliers based on the risk level assessment results. Furthermore, during the Reporting Period, the Company updated the *SolarSpace Partner Code of Conduct* to incorporate descriptions related to anti-money laundering, occupational health and safety, and environmental protection, thereby enhancing ESG risk management within the supply chain.

### As of the End of the Reporting Period

**96%**

of suppliers had undergone ESG surveys

**37%**

had undergone on-site ESG audits



## Raw Material Procurement Management

The Company implemented strict entry standards for chemical raw material suppliers, requiring hazardous substance test reports issued by laboratories accredited by the China National Accreditation Service for Conformity Assessment (CNAS) to ensure compliance of the raw materials.

We established a digital traceability system to achieve dynamic tracking of materials throughout the entire process. The procurement management system integrated core supplier relationship management functions, including supplier management, bill of materials (BOM) management, procurement requirement management, and material inquiry. By linking with the finance and inventory systems, it significantly shortened the procurement approval cycle and reduced comprehensive operating costs.

### Enterprise Resource Planning

- Implemented in warehousing, material issuance, material returns, inventory management, first-in-first-out control, and incoming material traceability.
- Provides an intuitive display of basic material information, facilitating material traceability and management.

### Warehouse Management System

- Applied to the traceability of solar cells, finished module inbound and outbound processes, finished warehouse area placement, inventory management, and shipment.
- Standardized management of the finished warehouse, enabling traceability of finished product material information.

### Manufacturing Execution System

- Used for tracking production status on the shop floor, monitoring quality anomalies, material traceability, and duration control.
- Tracks module materials, controls curing duration, monitors defect data, and issues quality anomaly alerts.

## Responsible Minerals

The Company actively implemented the *Conflict Minerals Commitment and Management Policy* by sourcing conflict-free raw materials. Through the *Supplier Product Quality Agreement*, the use of raw materials from conflict-affected areas is explicitly prohibited. Furthermore, training sessions have been conducted for Departments including Procurement and Sales to fully uphold commitments to social responsibility and sustainable development. We established a mineral traceability management system to strengthen the enforcement of supply chain ethical standards and continuously promote humanistic care and compliant development throughout the industrial chain.

To strengthen supply chain ethical standards and traceability, the Company has established and implemented a routine supplier due diligence mechanism. In terms of mineral traceability management, regarding the conflict minerals involved, we have refined control requirements in relevant management policies and conducted CMRT surveys with corresponding suppliers. For responsible minerals (such as silicon), we have established a raw material traceability management system for polysilicon suppliers.

### During the Reporting Period

The Company achieved

# 100%

coverage of conflict mineral investigations across all suppliers

All key suppliers involving conflict mineral risks have signed the *Commitment Letter on the Non-Use of Conflict Minerals* at a rate of

# 100%

At the same time,

# 100%

of polysilicon suppliers have also completed raw material traceability and continue to promote compliance development and humanistic care within the supply chain



## Supplier Collaboration and Empowerment

The Company has established a supplier communication mechanism. Through multiple reporting channels, including telephone, email, and mail, the Company responds to supplier requests and promptly investigates illegal activities. We implemented an information encryption protection mechanism and established an independent evidence storage system to isolate whistleblower information, strictly prohibiting disclosure to the accused party. When whistleblowers face security threats, the Company activates its safety shelter contingency plan to effectively safeguard their legitimate rights and interests.

The Company conducted social responsibility capacity-building training and supplier exchange meetings for its suppliers. Through knowledge transfer and experience sharing, the Company effectively enhanced suppliers' quality management capabilities and established a sustainable development cooperation mechanism based on mutual empowerment.

We provided guidance, conducted ESG-specific audits and implemented corresponding improvement measures based on supplier risk assessment scores, and delivered ESG training to suppliers.

During the Reporting Period, the Company conducted 42 supplier training sessions and provided 20 health and safety improvement coaching sessions for suppliers. A total of 113 Class A and B suppliers participated in the training, achieving a 100% participation rate with 166 attendees. Through training, suppliers have significantly improved their understanding of ESG requirements, laying a solid foundation for collaboratively advancing the construction of a green, compliant, and responsible supply chain.

### During the Reporting Period

The Company conducted supplier training sessions

42

Provided health and safety improvement coaching sessions for suppliers

20



Total number of suppliers who participated in the training on the <i>SolarSpace Partners Code of Conduct</i>	113
Total number of Class A suppliers who participated in the training on the <i>SolarSpace Partners Code of Conduct</i>	65
Total number of Class B suppliers who participated in the training on the <i>SolarSpace Partners Code of Conduct</i>	48
Percentage of audited/assessed suppliers participating in EHS improvement initiatives or capability development programs	17.7%

Training Content	Scope	Training Duration
The connotation and extension of ESG concepts, international and domestic development trends, risk assessment matrices, and digital empowerment tools	Class A and Class B cooperative raw material suppliers	22 hours



# 02 Ecological Conservation

A sustainable ecological environment is a critical guarantee for long-term economic prosperity and development. SolarSpace actively addresses climate risks and opportunities by enhancing energy efficiency and transforming its energy structure to fully advance energy conservation and carbon reduction. Furthermore, we continue to strengthen the construction of its environmental management system to ensure that pollutant emissions comply with regulations, improve resource utilization efficiency, and practice ecological environment and biodiversity protection. We are committed to exploring a win-win path for sustainable development and the common progress of society and the economy.

The United Nations Sustainable Development Goals (SDGs) relevant to this chapter include:



## 2.1 Climate Change Mitigation

Climate change poses a threat to human well-being and the ecological balance of the Earth. SolarSpace recognizes the impact of climate change on its long-term development and continues to build its resilience to address climate change. We actively respond to the national dual-carbon goals, continue to explore low-carbon operation and development pathways, and are committed to creating opportunities for global climate action through photovoltaic products with a low carbon footprint, thereby achieving our sustainable development goals.



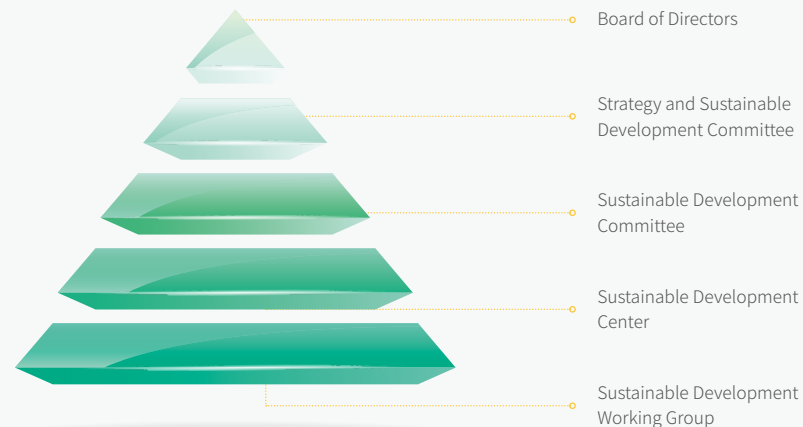
### Governance

SolarSpace attaches great importance to climate change governance and has integrated climate change into its ESG governance framework, continuously enhancing the effectiveness of its governance system. The Company has established a multi-level climate change governance structure with the Board of Directors as the highest decision-making body to guide and supervise the management of climate strategy, policies, measures, and target performance. Through collaborative management and collaboration across all levels, we have achieved efficient climate change governance, ensuring the effective implementation of all initiatives. Annual meetings are held to review climate management progress, complemented by climate-related training sessions. This ensures management has the required expertise, stays current with regulations and industry developments, and is equipped to carry out its oversight duties.

### Strategy

SolarSpace continues to monitor changes in the external environment and internal operations, regularly refining its climate change management strategy. During the Reporting Period, the Company updated its climate-related risks and opportunities list and refined response measures in accordance with the Task Force on Climate-related Financial Disclosures (TCFD) guidelines, in light of the macroeconomic environment, industry practices, and the Company's strategic planning to ensure relevance and timeliness.

### Climate Change Governance Structure



Types of Climate Change-Related Risks and Opportunities	Potential Impacts	Mitigation Measures
Physical Risk	Acute Physical Risks Increasingly frequent natural disasters, such as typhoons, floods, and droughts, may cause damage to daily production and operational facilities, resulting in asset losses. Furthermore, extreme weather and natural disaster events may increase supply chain disruption risks, impacting the Company's business continuity.	<ul style="list-style-type: none"> <li>Regularly update emergency plans for extreme weather and natural disasters. Upon occurrence of such situations, promptly activate the emergency response mechanism, allocate necessary resources, and ensure employee safety and business continuity.</li> <li>Regularly conduct employee training and emergency drills and maintain an emergency supplies stockpile.</li> <li>Issue risk avoidance recommendations and safety alerts promptly during extreme weather events.</li> <li>Logistics transportation plans and routes are adjusted in advance based on extreme weather warnings, and warehouses are established in multiple locations to mitigate the risk of delivery delays.</li> </ul>
	Chronic Physical Risks Rising global average temperatures have led to an increase in the number of days with extreme heat. To maintain suitable temperatures at the operational facilities, the Company may need to consume more energy and could even face power rationing or supply disruptions.	<ul style="list-style-type: none"> <li>Continuously enhance energy management capabilities through measures such as energy conservation, efficiency improvement, and optimization of the energy structure to ensure the stability of production and operational power supply systems while reducing costs.</li> </ul>
Transition Risks	Policy and Legal As climate change policies evolve, regulatory standards are becoming increasingly stringent, which may increase compliance costs and legal risks.	<ul style="list-style-type: none"> <li>Continuously monitor climate-related laws and regulations in the regions where operations are conducted and implement necessary energy-saving and carbon-reduction measures.</li> <li>Regularly monitor operational risks arising from changes in external laws and regulations, promptly optimize the Company's policy system, and ensure compliance in production operations.</li> </ul>
	Technology As the energy and low-carbon transition continues to advance, the Company needs to increase investment in low-carbon technologies, while existing production and operation models may face compatibility issues with new low-carbon technologies.	<ul style="list-style-type: none"> <li>Conduct comprehensive feasibility studies and risk assessments. While ensuring normal operations, we actively drive process optimization and technological innovation to facilitate the Company's technical transition.</li> </ul>
	Rising Raw Material Costs As supply chain partners gradually establish their own decarbonization plans, raw material and transportation costs may rise, increasing the Company's production costs.	<ul style="list-style-type: none"> <li>Foster sound supplier partnerships to ensure price stability and supply continuity.</li> <li>Gradually launch low-carbon collaboration projects with suppliers to jointly explore pathways for supply chain decarbonization.</li> </ul>
	Changes in Customer Behavior As the pace of low-carbon transition accelerates and customer demand for low-carbon products continues to grow, the Company must promptly adjust its strategies in response to market changes to mitigate the risks of losing customers or declining sales.	<ul style="list-style-type: none"> <li>Establish daily communication and cooperation mechanisms with customers to promptly understand their requirements regarding the Company's greenhouse gas emission reduction practices.</li> <li>Establish greenhouse gas emission reduction targets and strategies, implement energy-saving and carbon-reduction measures and actions, and commit to reducing the carbon footprint of products.</li> </ul>
Opportunities	Products and Services Customer preferences for low-carbon and environmentally friendly products and services have created market demand and development opportunities for the Company's photovoltaic products.	<ul style="list-style-type: none"> <li>Promote low-carbon product design and transformation, improve energy and resource efficiency, and reduce carbon emissions across the full product lifecycle.</li> <li>Actively obtain relevant international certifications to enhance the green attributes of products and promptly respond to stakeholders' demand for low-carbon and environmentally friendly products and services.</li> </ul>
	Market Competitiveness The Company's low-carbon development strategy will drive technological innovation and product optimization, thereby enhancing the Company's competitiveness and brand image.	<ul style="list-style-type: none"> <li>Integrate climate change into the Company's development strategy and continuously advance low-carbon innovation and transformation practices.</li> <li>Proactively disclose information and promote products to build a positive brand image.</li> </ul>
	Energy and Resource Efficiency Optimize the energy and resource management system to improve utilization efficiency, reduce operating costs, and simultaneously contribute to the Company's development of a green and low-carbon brand image.	<ul style="list-style-type: none"> <li>Implement equipment upgrades, technological advancements, and process optimization to achieve energy and resource conservation and efficiency improvements.</li> <li>Leverage digital technologies to enhance refined management capabilities and provide support for data analysis and management decision-making.</li> </ul>

## Impact, Risk, and Opportunity Management

SolarSpace has established a comprehensive climate change risk and opportunity management process. The Company systematically manages this process through three key stages: identification, assessment, and response, and integrates it into the overall corporate risk management framework. We have established a clear reporting mechanism to regularly report progress on relevant performance and goal achievement to the Board of Directors. This enables timely adjustments to climate strategy and operational decisions, thereby enhancing the effectiveness of the Company's climate management.

### Climate Change Risk and Opportunity Management Process



- Based on the TCFD framework and peer practices, SolarSpace identifies climate-related risks and opportunities that have a significant impact on its business operations. These are categorized into lists of physical risks, transition risks, and opportunities

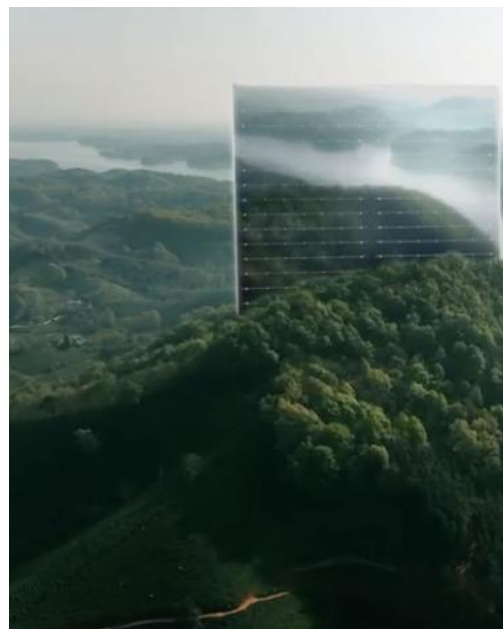


- In conjunction with the Company's operational status, strategic plans, industry characteristics, and stakeholder expectations, the identified climate risks and opportunities are evaluated and prioritized



- Based on climate change analysis and forecasts, and considering factors such as operations, geographic conditions, and industry trends, SolarSpace formulates response measures for the identified risks and opportunities
- Climate risk monitoring is integrated into the Company's overall risk management process. The identified risks and opportunities are subject to regular review and reassessment

While enhancing climate resilience, SolarSpace continues to strengthen its carbon emission management system in accordance with higher standards and conducts product carbon footprint calculations and certifications. The Company is committed to achieving its sustainable development goals through low-carbon operations and product transformation.



### As of the End of the Reporting Period

- The Group and all production bases have obtained ISO 14064:2018 greenhouse gas certification, achieving a coverage rate of 100%. This has systematically enhanced the monitoring and management capabilities for carbon emissions across the entire value chain, laying a solid foundation for the implementation of low-carbon goals.
- The PERC cells, TOPCon cells, and TOPCon modules have been awarded Product Carbon Footprint certificates by the National Institute of Metrology (NIM). The low-carbon attributes enhance market competitiveness, particularly supporting expansion into international markets such as Europe that impose strict carbon footprint access requirements.
- Twelve cell and module products have obtained French carbon footprint certificates, seven products have received International EPD certification, and eleven products have achieved Life Cycle Assessment (LCA) certification. These international certifications have become a critical entry requirement for the Company's products to access the European market and continue to drive the upgrade of the Company's product structure toward lower carbonization.

## Metrics and Targets

In response to and implementation of the national dual-carbon goals, SolarSpace has progressively strengthened carbon emission measurement and disclosure, while systematically evaluating, tracking, and managing its low-carbon operational performance. We integrate low-carbon principles into every stage of product development, manufacturing, and corporate operations. Capital expenditures are focused on developing low-carbon products, enhancing energy efficiency, and retrofitting facilities for climate resilience, in full support to achieve carbon reduction targets.

### Climate Change Management Targets



Identify and assess climate change risks, continuously improve climate risk response mechanisms, implement green and low-carbon production and operational models, persistently reduce greenhouse gas emissions, and contribute to a low-carbon economy.

Reduce Scope 1 and 2 greenhouse gas emission intensity by 2% in 2025 compared to 2024.

In 2025, Scope 1 and Scope 2 greenhouse gas emission intensity for the Company decreased by 23% year-over-year, achieving the greenhouse gas reduction target.



### 2023-2025 SolarSpace Greenhouse Gas Emission Management Performance

Indicators	Unit	2023	2024	2025 <sup>7</sup>
Scope 1 Greenhouse Gas Emissions <sup>8</sup>	Tonnes of Carbon Dioxide Equivalent	21,396.44	21,766.24	<b>4,100.08</b>
Scope 2 Greenhouse Gas Emissions	Tonnes of Carbon Dioxide Equivalent	964,674.12	1,141,615.73	<b>997,973.64</b>
<b>Total Scope 1 and Scope 2 Greenhouse Gas Emissions</b>	Tonnes of Carbon Dioxide Equivalent	986,070.57	1,163,381.97	<b>1,002,073.72</b>
Scope 1 and Scope 2 Greenhouse Gas Emissions Intensity	Tonnes of Carbon Dioxide Equivalent per MW	25.39	29.50	<b>22.84</b>
<b>Total Scope 3 Greenhouse Gas Emissions</b>	Tonnes of Carbon Dioxide Equivalent	11,948.69 <sup>9</sup>	1,731,545.87 <sup>10</sup>	<b>6,364,975.82<sup>11</sup></b>

<sup>7</sup> The 2025 Scope 1, 2, and 3 carbon emission statistics boundary includes SolarSpace, SolarSpace Xuzhou, Yuhui Photovoltaic, SolarSpace Laos, SolarSpace Chuzhou, and Jiangsu Longheng.

<sup>8</sup> In 2025, the Company optimized our Scope 1 calculation methodology by adjusting the quantification approach for greenhouse gas emissions from refrigerants, fire extinguishers, and SF6 in substations from the average emission factor method to the fill method.

<sup>9</sup> The 2023 Scope 3 carbon emission statistics boundary includes Jiangsu Longheng and Yuhui Photovoltaic.

<sup>10</sup> The 2024 Scope 3 carbon emission accounting boundary includes the Group, Yuhui Photovoltaic, and Solarspace Laos.

<sup>11</sup> The 2025 Scope 3 carbon emission statistics categories include Category 3 (indirect emissions from transportation), Category 4 (indirect emissions from the use of sold products and services by the Company's customers), and Category 6 (other indirect emissions).

## 2.2 Environmental Management

SolarSpace upholds the concept of sustainable development, internalizing responsibility in its heart and fulfilling it through action. We continue to improve our environmental management system, optimize and implement mechanisms for environmental risk and emergency response, and focus on cultivating employees' green environmental awareness, thereby effectively enhancing the level of environmental management.

### Environmental Management System

SolarSpace has established a systematic environmental governance structure. The Environment, Health, and Safety (EHS) department continuously refines internal policies and technical standards in response to external regulatory dynamics, monitors the progress of daily environmental management activities, and submits regular reports to the Vice President of the Company to ensure the effective operation of the environmental management system.

The Company strictly complies with laws and regulations in its operating locations, including the *Environmental Protection Law of the People's Republic of China* and the *Environmental Protection Law of the Lao People's Democratic Republic*. We have formulated and improved

policies such as the *Environmental Management Commitments and Policies*, the *Environmental Inspection Management System*, and the *Environmental Aspect Identification and Evaluation Form* to provide scientific guidance for environmental management work.

To ensure the effective operation of the environmental management system, the Company accepts environmental inspections and audits from external regulators and third-party institutions, and implements 100% rectification for all issues identified during the audit process. During the Reporting Period, the Group and four production bases obtained ISO 14001:2015 Environmental Management System certification, achieving a coverage rate of 83.3%.

#### During the Reporting Period

The Group and four production bases obtained ISO 14001:2015 Environmental Management System certification, achieving a coverage rate of

# 83.3%

## Environmental Risk Management

SolarSpace has fully implemented the annual identification and evaluation of environmental risk factors across the Group and all production bases in accordance with the *Environmental Aspect Identification and Evaluation Control Procedure*. In 2025, the Company conducted environmental risk factor identification covering 100% of its operational sites across dimensions including air, water, and solid waste, resulting in the creation of the *Environmental Aspect Identification and Evaluation Form* and the *List of Important Environmental Aspect and Control Measures*. To address identified risks and issues, we have implemented measures such as refining environmental risk assessment units to identify gaps and are progressively launching a special internal management improvement plan, effectively enhancing the level of environmental risk management.

SolarSpace has established a comprehensive internal environmental inspection mechanism and actively cooperates with various environmental inspections conducted by external regulatory authorities to mitigate potential environmental risks to the maximum extent and ensure the stable operation of the business. In 2025, the Group and our production bases collectively underwent 26 environmental protection inspections by competent ecological environment authorities. No major environmental risk incidents occurred, nor were there any violations of laws and regulations concerning environmental protection.

### Environmental Inspection and Management Mechanism

#### Internal Inspections

- Strictly implement the *Environmental Protection Inspection Management System*, requiring all production bases to develop annual inspection plans and carry out related inspection activities.
- Employ diversified methods, including routine inspections, special inspections, and quarterly EHS cross-base audits, to enable dynamic identification and systematic management of various risks and potential hazards.

#### External Inspections

- Undergo environmental protection inspections conducted by competent ecological and environmental authorities.
- Ensure 100% closed-loop correction of all identified non-conformities, continuously improving the environmental management system

## Enhanced Environmental Awareness

The Company attaches great importance to the potential impacts of sudden environmental incidents. In 2025, we continued to improve the environmental emergency architecture and revised the *Emergency Response Plan for Environmental Emergencies* to strengthen the construction of the emergency management system. Concurrently, we organized and conducted 26 environmental emergency drills covering hazardous waste and chemical leaks, abnormal pollutant emissions, and emergency evacuations, effectively enhancing our environmental emergency response and disposal capabilities.

SolarSpace regards the advocacy of green and low-carbon practices as a key factor in advancing sustainable actions. We conduct systematic environmental training sessions to build a green and low-carbon culture and cultivate employees' awareness and capabilities in sustainable development. During the Reporting Period, the Company conducted a total of 18 environmental protection training sessions, with participation reaching 5,200 person-times.

### Chuzhou Base Environmental Protection Training



In 2025, the Chuzhou Base conducted comprehensive environmental protection training programs covering environmental laws and regulations, identification and evaluation of environmental factors, and solid waste management. The total participation reached 1,532 person-times. We provided professional training to enhance employees' compliance awareness and work capabilities, thereby effectively standardizing the Company's environmental protection workflow.



### Laos Base Environmental Protection Training



To strengthen employees' environmental awareness and practical capabilities, the Laos Base commissioned a qualified third-party agency in 2025 to conduct systematic environmental training for staff through knowledge sharing and on-site Q&A sessions. This initiative effectively reduced the risk of environmental incidents caused by improper operations and ensured that daily operations comply with Lao environmental standards.



In addition, SolarSpace actively advocates for green office and lifestyle concepts, encourages employees to adopt paperless operations, and improves resource utilization through measures such as double-sided printing and the reuse of waste paper. We have posted energy-saving signage in our office premises and integrated low-carbon practices into the details of daily work and management, working alongside employees to create long-term green value.



## 2.3 Energy Management

In response to global climate challenges, the Company has established a comprehensive energy management system and actively promoted practices for improving energy efficiency and transitioning energy sources. These efforts have effectively reduced energy consumption and greenhouse gas emissions generated by the Company's operations, making a positive contribution to achieving China's dual-carbon goals.

### Energy Management System

SolarSpace has established a multi-level energy management structure. The leader in charge of energy conservation provides overall coordination and supervision of energy management activities, while the head of energy management guides daily energy management operations across all business segments to ensure the effective functioning of the energy management system. Furthermore, the Company strictly complies with laws and regulations in its operating locations, such as the *Energy Conservation Law of the People's Republic of China*, and continues to improve the construction of its energy management system.



The types of energy consumed by SolarSpace in its business operations mainly include natural gas, diesel, gasoline, electricity, and steam. As the Company advances its sustainable development strategy, we align with external policy dynamics and business development plans to refine energy management objectives at each stage and continuously track progress toward their achievement. We are committed to leveraging energy management as a key driver for reducing greenhouse gas emissions across operational processes.

### Energy Management Targets



#### Short-term

- Annual Plan: Reduce the electricity consumption intensity of cell products and module products by **2%** each in 2025 compared to 2024 levels

Completion Status: Compared to 2024, the electricity consumption intensity of cell products decreased by **5.4%** in 2025



#### Medium- to Long-term

- Achieve

**100%**

ISO 50001 Energy Management System certification for all operational factories by the end of 2028

In 2025, SolarSpace advanced the continuous improvement of its operations and management through certification under an energy management system. As of the end of the Reporting Period, the Group and three production bases have obtained ISO 50001:2018 Energy Management System certification, with a coverage rate of 66.7%.



# Energy Action

Improving energy efficiency is one of the key pathways for advancing its low-carbon operational strategy. SolarSpace continues to strengthen its energy management system construction by implementing equipment energy-saving retrofits and refined energy management, striving to comprehensively enhance the level of energy management.

## Energy Efficiency Enhancement Initiatives

### Equipment Energy-Saving Retrofits

- Implement energy-saving retrofits on high-energy-consumption equipment such as blowers and furnaces. Enhance operational efficiency through technical upgrades and parameter optimization to achieve significant energy conservation

### Refined Energy Management

- Utilize an energy management system for real-time monitoring and dynamically adjust on-site energy usage based on actual demand
- Conduct regular energy inspections to promptly identify and resolve abnormal energy consumption issues, thereby minimizing energy waste

### Optimization of Air Compressor Supply Pressure Reduction at Chuzhou Base

During the Reporting Period, the Chuzhou Base continued to carry out energy-saving retrofitting and carbon reduction initiatives. By lowering the alarm pressure thresholds for compressed air in workshops where conditions permitted, the Base achieved significant energy savings while ensuring stable equipment operation. The estimated annual energy saving is projected to reach 900 MWh.

Leveraging renewable energy to replace traditional fossil fuels provides strong support for the transformation of the energy structure. SolarSpace actively promotes the deployment and application of renewable energy. Through measures such as purchasing green electricity, installing photovoltaic power generation facilities, and recovering energy, the Company continuously increases the proportion of renewable energy usage.

### During the Reporting Period

SolarSpace's renewable energy consumption reached

**69.93** million kWh

Representing a increase compared to 2024

**2.31%** ↑

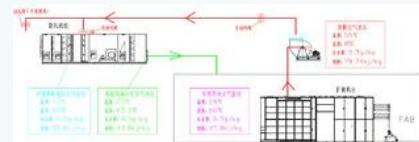
### Peixian Base Photovoltaic Power Generation Project

In 2025, the Peixian Base advanced the construction and application of photovoltaic power generation, successfully connecting a 3.7 MW photovoltaic power station to the grid. While supplying our own operations, the station also fed excess electricity into the grid to promote the development of a cleaner power system.

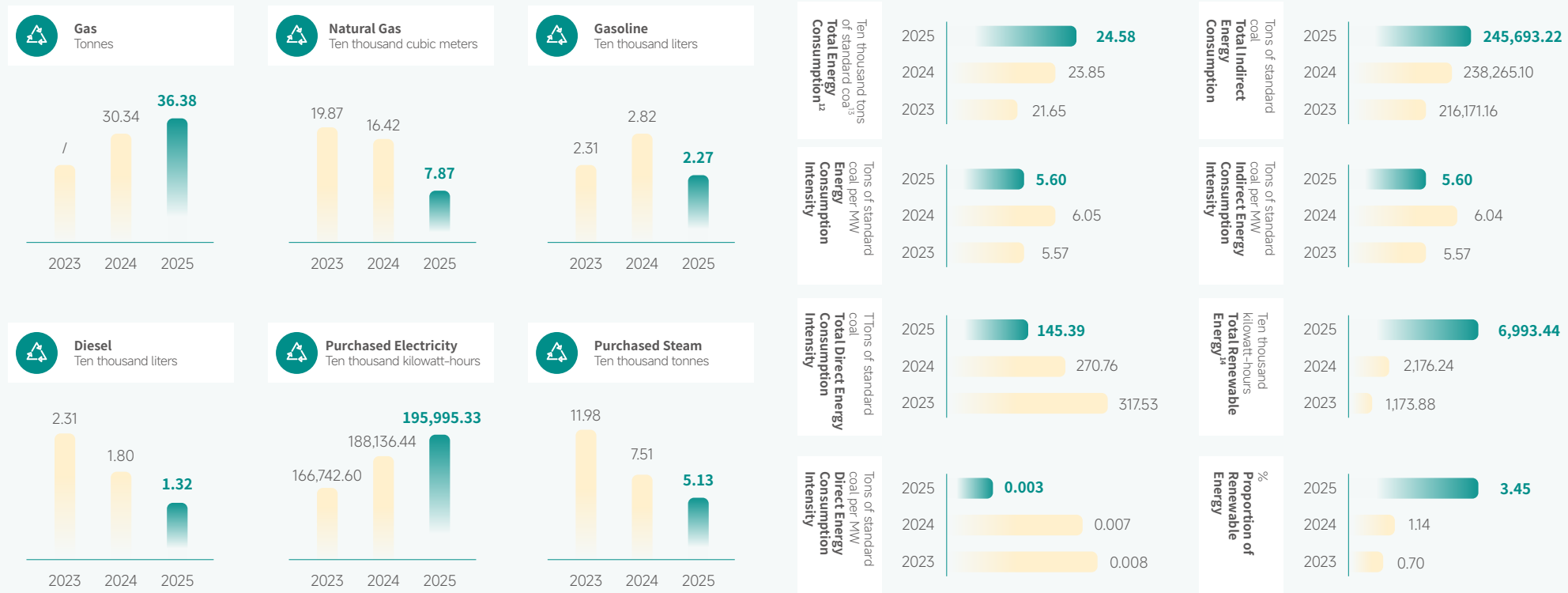


### Heat Exhaust Recovery and Reuse at Suqian Base

In 2025, the Suqian Base launched a project to recover and reuse waste heat exhaust. By redirecting the recovered exhaust air to the reheating section of the MAU, the project maintained workshop temperature and humidity levels while replacing original steam consumption, achieving annual steam savings of 5,400 tons.



## 2023-2025 SolarSpace Energy Management Performance



<sup>12</sup> The statistical scope for total energy consumption and intensity includes direct energy consumption (natural gas, gasoline, and diesel) and indirect energy consumption (purchased electricity and purchased steam).

<sup>13</sup> The calculation methods and coefficients for energy consumption units (converted to standard coal) are based on the *General Rules for Comprehensive Energy Consumption Calculation (GB/T 2589-2020)* issued by the State Administration for Market Regulation and the Standardization Administration of China.

<sup>14</sup> In 2025, the total electricity consumption at the Laos base exceeded 800 million kWh. According to publicly available data, approximately 95% of the electricity in the national grid of Laos is generated from hydropower, approximately 2% from solar power, approximately 1% from biomass power, and the remaining 2% from coal-fired power.

## 2.4 Water Resource Management

SolarSpace attaches great importance to water resource management and actively improves its water resource management system to reduce water consumption, enhance water use efficiency, and minimize the impact of the Company's operations on the resource environment.

### Water Resource Management System

SolarSpace complies with the *Water Law of the People's Republic of China* and other applicable laws and regulations in its operating locations to promote standardized management of water resources. The Company's daily production and operational water supply is primarily sourced from the municipal network. We have established short-, medium-, and long-term water resource management goals, regularly review the achievement of water conservation targets, continuously identify new opportunities for water saving, and strengthen water resource risk management. In 2025, the Company's total consumption of fresh water and recycled water was approximately 15.96 million tonnes.

#### Water Resource Management Targets



- Annual Plan: Reduce the water consumption intensity of cell products by **2%** in 2025 compared to 2024 levels

Completion Status: Compared to 2024, the water consumption intensity of cell products decreased by **25.1%** in 2025



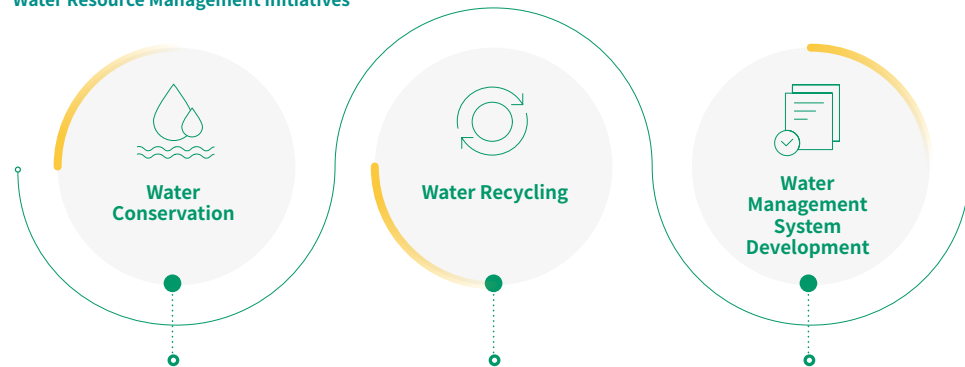
- Proactively implement water conservation and recycling projects to continuously increase the water recycling rate



## Water Resource Management Practices

Effective water resource management is of significant importance to ecological environmental protection. During the Reporting Period, the Chuzhou base and the Laos base conducted annual water resource management practices, systematically evaluated water use efficiency, and identified areas for improvement. In response to the issues identified during the audit, the Company has formulated corrective measures and an improvement plan to continuously promote water conservation and cycle optimization, while strengthening the construction of the water resource management system. In 2025, the Chuzhou Base was recognized as a city-level water-saving enterprise.

### Water Resource Management Initiatives



- Implement a stepwise water-saving process to replace continuous running water rinsing, reducing the total water usage in wet processes.
- Install water-saving faucets, showerheads, and other water-efficient fixtures to minimize the waste of domestic water.

- Reuse rinse water from the later stages of wet processes in earlier stages, achieving cascaded reuse of cleaning water.
- Return air conditioning cooling water to the cooling tower, reducing the need for system makeup water and blowdown.

- Conduct daily water usage inspections to promptly identify and address abnormal consumption.
- Install flow meters at key facilities such as HVAC water supply pipes, pure water stations, and wastewater stations to improve water metering coverage.



The Chuzhou Base was awarded the title of "Water-Saving Enterprise"

### Suqian Base Water Resource Recovery Project

The Suqian Base implemented a series of water resource recovery projects to achieve the recycling of water resources. In 2025, the Suqian Base achieved approximately 400,000 tonnes per year of water resource recycling through projects including the recovery of air conditioning condensate to cooling towers, and the recovery of ultrafiltration concentrate from the pure water station and drainage from cooling towers to the raw water pool.



### Construction of a Water-Saving Enterprise at the Chuzhou Base



In 2025, the Chuzhou Base focused on optimizing and recycling within the process water system. By installing an independent tap water cooling circulation system for air compressors, the facility achieved zero consumption of fresh water in this segment. Additionally, cascaded reuse of process cleaning water was implemented to significantly reduce the replenishment of fresh pure water. Through comprehensive management measures implemented across multiple dimensions, the Chuzhou Base achieved efficient water resource utilization and was recognized as a City-level water-saving enterprise.



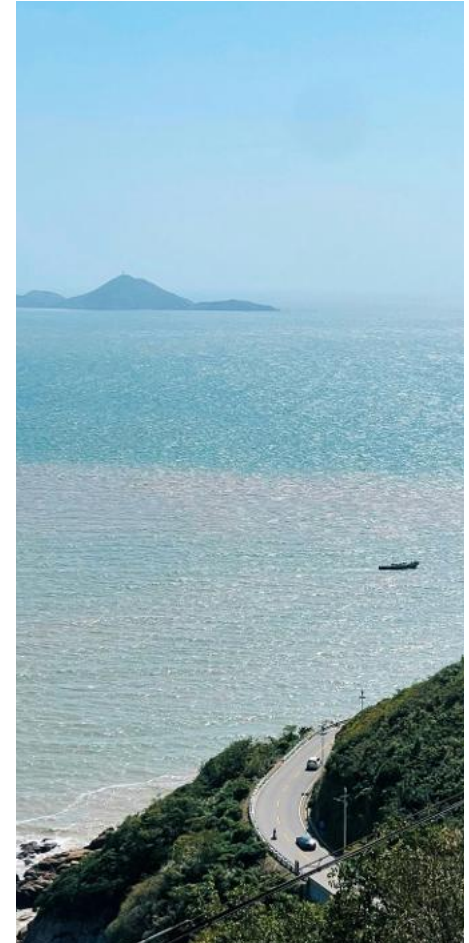
In 2025, SolarSpace further strengthened the promotion and training of water conservation awareness by organizing activities such as "Water Conservation Awareness Week" and regular specialized training sessions to enhance water conservation awareness among all employees.



Water Resource Management Training and Dissemination

### 2023-2025 SolarSpace Water Resource Management Performance

Indicator	Unit	2023	2024	2025
Total Water Resource Consumption	Ten thousand tonnes	1,859.89	1,655.33	<b>1,409.89</b>
Water Resource Consumption Intensity	Tonnes per MW	478.89	419.71	<b>321.31</b>
Total Water Resource Recovery and Reuse	Ten thousand tonnes	226.22	228.33	<b>186.42</b>



## 2.5 Ecological Conservation

SolarSpace has consistently adhered to the principle of compliant emissions and progressively refined its pollutant management measures, is dedicated to minimizing the impact on the surrounding environment. Furthermore, we practice the concept of a circular economy, promote the recycling and utilization of packaging materials, and carry out ecosystem and biodiversity conservation to make positive contributions to planetary protection.

### Emission Management

SolarSpace adheres to the laws and regulations of its operating locations, strictly implements compliant pollutant discharge standards, and explores emission reduction practices to minimize environmental impact. During the Reporting Period, SolarSpace did not experience any environmental pollution incidents, and all pollutant emissions 100% complied with the relevant standards of the operating location.

#### During the Reporting Period

SolarSpace did not experience any environmental pollution incidents, and all pollutant emissions

**100%**

complied with the relevant standards of the operating location

### Exhaust Gas Management

The primary types of waste gas pollutants at SolarSpace are nitrogen oxides (NO<sub>x</sub>), volatile organic compounds (VOCs), and particulate matter generated during production and operations. The Company strictly complies with laws and regulations applicable to its operations, including the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution*, and implements policies such as the *Exhaust Gas Emission Control Management System*, the *Environmental Protection Facility Operation Management System*, and the *Outfall Management Approach* to provide a standardized basis for the whole-process management of waste gas.

To ensure compliant emission of waste gases and effectively reduce their impact on the surrounding environment, the Company regularly maintains environmental protection equipment, optimizes processes to reduce pollutant emissions in certain production stages, and applies intelligent monitoring systems to achieve real-time management of organic waste gas emissions.

#### Waste Gas Management Initiatives



##### Facility Maintenance

- Perform regular maintenance on waste gas treatment facilities (e.g., replacing packing material in spray towers and activated carbon, cleaning pipelines) to ensure stable operation.
- Continue upgrading older equipment to improve the operational efficiency of waste gas treatment systems.



##### Process Optimization

- Explore and adopt processes and equipment with low pollutant emissions to reduce waste gas pollutants at the source.
- Employ multi-stage treatment technologies such as acid/alkali spray scrubbing and activated carbon adsorption, supplemented with stainless steel combustion barrels to enhance pollutant removal efficiency.



##### Application of Intelligent Management Systems

- Install online monitoring equipment to establish a foundation for real-time pollutant emission tracking.
- Utilize IoT technology for digital emission monitoring, enabling prompt detection of equipment fluctuations and potential risks, and facilitating dynamic operational adjustments.

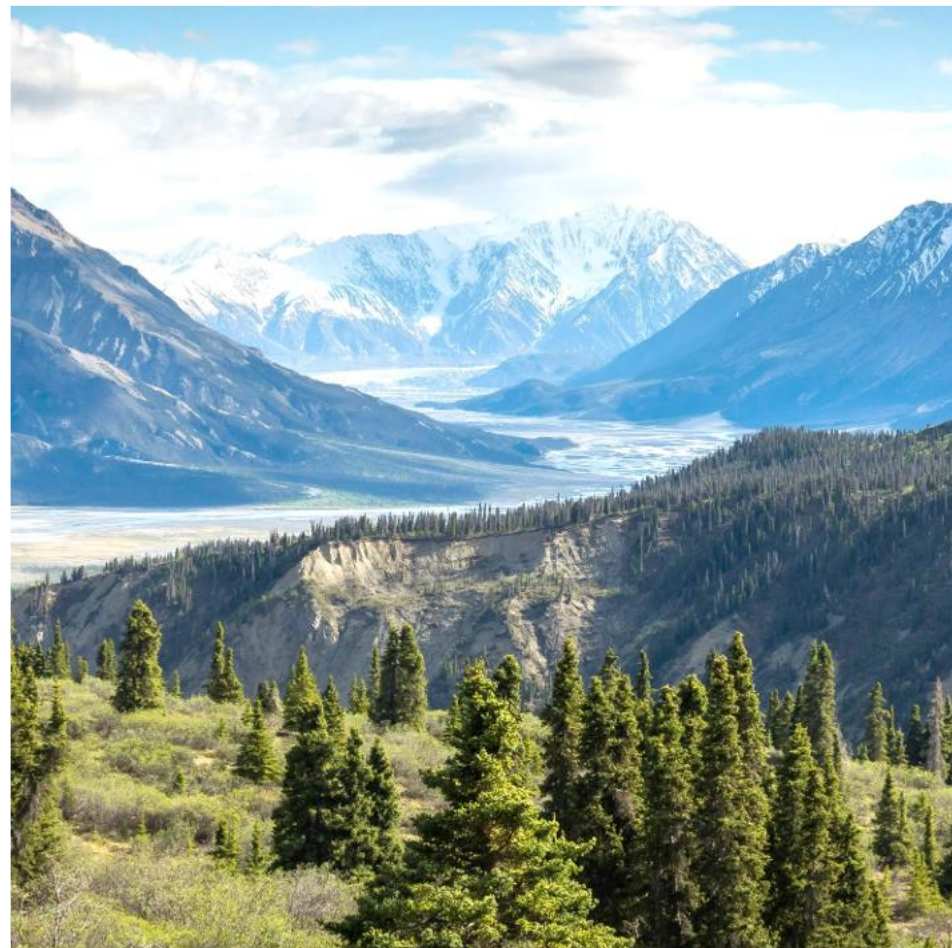


In addition, the Company has established an annual self-monitoring plan and entrusted qualified third-party institutions to conduct regular inspections. The compliance rate for waste gas pollutant monitoring reached 100% in 2025.

## 2023-2025 SolarSpace Exhaust Gas Emission Management Performance

Indicator	Unit	2023	2024	2025
Total Exhaust Gas Emissions <sup>15</sup>	Tonnes	54.54	35.80	<b>58.98</b>
Exhaust Gas Emission Intensity	Tonnes per MW	0.0014	0.0009	<b>0.0013</b>
Volatile Organic Compound (VOC) Emissions	Tonnes	7.04	7.39	<b>11.73</b>
Nitrogen Oxides Emissions	Tonnes	8.53	4.21	<b>8.09</b>
Sulfide Emissions	Tonnes	0.04	0.00	<b>0.01</b>
Particulate Matter Emissions	Tonnes	7.01	6.59	<b>8.99</b>
Emissions of Other Exhaust Gas Pollutants	Tonnes	31.91	17.61	<b>30.18</b>

<sup>15</sup> There is a discrepancy between the waste gas emission data and the Discharge Permit Compliance Report, as other pollutant categories not mandatorily required in the implementation report were included.



## Wastewater Management

SolarSpace's wastewater is primarily categorized into two types: production wastewater and domestic sewage. The Company strictly complies with laws and regulations in its operating locations, including the *Water Law of the People's Republic of China*, and implements internal policies such as the *Wastewater Discharge Control Management Policy*, the *Environmental Protection Facility Operation Management System*, and the *Outfall Management Approach*. These measures define standards and requirements for wastewater control to ensure that pollutant discharges meet compliance standards.

The Company has established a comprehensive rainwater and sewage diversion drainage system and strictly implements wastewater classification collection and treatment processes, ultimately discharging the treated water into downstream sewage treatment plants for further processing. In 2025, the Chuzhou base continued its wastewater treatment and monitoring efforts while prioritizing the control of fluoride-containing wastewater. By introducing advanced defluorination equipment, the company strictly maintained fluoride concentrations within regulatory limits to prevent pollutant dispersion from adversely affecting the surrounding environment.

### Wastewater Management Measures



#### Production Wastewater

- Collected separately based on wastewater characteristics.
- Treated on-site to meet standards through systems including equalization tanks, neutralization, physicochemical treatment, and biological treatment, before discharge to downstream wastewater treatment plants for further processing.



#### Domestic Sewage

- Treated in grease traps and septic tanks, then discharged into the sewer network for collection and final treatment at a centralized wastewater treatment station.

### Hydrofluoric Acid Recycling and Utilization Project



In 2025, bases in Chuzhou, Suqian, Tongshan, Laos, and other locations actively advanced hydrofluoric acid recovery. Waste hydrofluoric acid generated from the PSG removal and BSG removal processes during production were utilized for cleaning graphite boats. This initiative reduced hydrofluoric acid consumption and effectively minimized the generation of fluoride-containing wastewater.



### 2023-2025 SolarSpace Wastewater Discharge Management Performance

Indicator	Unit	2023	2024	2025
Total Wastewater Discharge <sup>16</sup>	Ten thousand tonnes	1,038.10	1,148.23	<b>1,101.64</b>
Wastewater Discharge Intensity	Tonnes per MW	267.29	291.13	<b>251.06</b>
Chemical Oxygen Demand (COD) Discharge	Tonnes	471.75	423.32	<b>455.26</b>
Total Nitrogen Discharge	Tonnes	87.62	86.00	<b>108.29</b>
Ammonia Nitrogen Discharge	Tonnes	32.44	25.86	<b>45.21<sup>17</sup></b>
Total Phosphorus Discharge	Tonnes	3.24	3.18	<b>6.60<sup>18</sup></b>

<sup>16</sup> There is a discrepancy between the wastewater discharge data and the *Discharge Permit Compliance Report*, as other pollutant categories not mandatorily required in the implementation report were included.

<sup>17</sup> In 2025, SolarSpace optimized workshop production processes and increased ammonia usage, resulting in elevated ammonia nitrogen concentrations in wastewater.

<sup>18</sup> In 2025, to meet production requirements, the usage of phosphine as a raw material and auxiliary increased, resulting in higher total phosphorus emissions.

## Waste Management

Non-hazardous waste generated by SolarSpace includes general industrial waste, domestic refuse, sludge, and other similar materials. Hazardous waste comprises spent acid/alkali filter cartridges, spent activated carbon, waste oil, and related items. The Company strictly complies with applicable laws and regulations in its operating locations, including the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes* and *Waste Management and Disposal Guidance Manual of the Lao People's Democratic Republic*. The Company has established internal policies such as the *Solid Waste Discharge Management System* and maintains a waste management inventory to ensure standardized

handling and disposal of all types of waste, thereby guaranteeing compliance in waste management.

The Company has established and implemented a comprehensive waste management mechanism. By enforcing measures for the classification, collection, storage, and treatment of waste, the Company ensures that all types of waste are disposed of properly and in compliance with applicable regulations. In 2025, the Company strengthened waste recycling by entrusting qualified entities to comprehensively utilize waste activated carbon, calcium fluoride sludge, and waste mineral oil, effectively reducing pollutant emissions and enhancing the value of resource utilization.

## Waste Management Initiatives

### Non-hazardous Waste

- Entrust professional waste management vendors for the disposal of general waste with no recycling value.
- Sell recyclable waste for comprehensive utilization or have it collected for recycling by qualified resource recovery entities.
- Conduct regular vendor qualification audits.

### Hazardous Waste

- Submit the *Annual Hazardous Waste Management Plan* to the local competent ecological and environmental authority each year.
- Regularly organize relevant departments to warehouse the hazardous waste. Manage waste transfers via the provincial hazardous waste management platform, entrust qualified vendors for collection and disposal, and conduct regular vendor qualification audits.
- Maintain accurate records of hazardous waste management logs, such as in-and-out inventory records.

### Resource Utilization of Spent Activated Carbon



In 2025, the Chuzhou, Suqian, and Tongshan bases engaged service providers with qualifications for the recycling of waste activated carbon to recover and utilize the generated waste activated carbon. This initiative aims to reduce hazardous waste disposal costs while enhancing resource utilization efficiency.



### Purification and Recycling of Fluorite Sludge



In 2025, the Chuzhou, Suqian, and Tongshan bases actively advanced waste resource utilization practices. By optimizing the sewage treatment process to increase the purity of calcium fluoride in sludge and recycling the purified calcium fluoride, we reduced sludge disposal costs and enhance resource utilization value.

**Comprehensive Utilization Project for Waste Mineral Oil at the Laos Base** 

The Laos base has achieved comprehensive utilization of waste oil generated from mechanical equipment maintenance by engaging professional agencies, thereby replacing the original incineration disposal method. In 2025, the proportion of outsourced comprehensive utilization of waste mineral oil at the Laos base increased to 81.3%, achieving resource recovery from waste and reducing environmental impact.



**2023-2025 SolarSpace Waste Management Performance**

Indicator	Unit	2023	2024	2025
Total Hazardous Waste Generated	Tonnes	164.60	146.90	<b>130.34</b>
Hazardous Waste Generation Intensity	Tonnes per MW	0.0042	0.0037	<b>0.0030</b>
Total Non-Hazardous Waste Generated <sup>19</sup>	Tonnes	50,367.68	41,585.94	<b>25,428.72<sup>20</sup></b>
Non-Hazardous Waste Generation Intensity	Tonnes per MW	1.30	1.05	<b>0.58</b>
Total Waste Recycled <sup>21</sup>	Tonnes	7,515.09	8,232.15	<b>3,289.60</b>



<sup>19</sup> During the Reporting Period, only calcium fluoride sludge was included in the statistics for non-hazardous waste.

<sup>20</sup> Through measures such as hydrofluoric acid recovery and optimization of wastewater treatment processes, the generation and discharge of calcium fluoride sludge have been effectively reduced.

<sup>21</sup> Based on the estimated producer responsibility under the WEEE framework, agreements are signed with European compliance recycling organizations and periodically reconciled by the Company.

## Circular Economy

SolarSpace actively explores resource recycling practices, implements the concept of a circular economy across all aspects of its production and operations, and is committed to balancing sustainable relationships between economic growth and environmental protection to promote the Company's sustainable development.

The Company strictly complies with the requirements of the EU WEEE Directive and establishes cooperation with local certified recycling agencies to promote the development of a circular economy. In 2025, the Company actively organized the collection, transportation, and disposal of waste electrical and electronic equipment (WEEE), advanced the relevant procedures for registration under Italy's National WEEE Register (Registro AEE), and fulfilled the statutory recycling targets in compliance with applicable laws. In addition, we submit necessary declarations to the competent authorities based on sales data and manage annual reports and compliance records related to the recycling and environmentally sound disposal of solar products.

Simultaneously, the Company optimizes packaging materials and promotes recycling. Furthermore, the Company encourages upstream silicon wafer suppliers to utilize the same packaging materials as those used for its finished cells to package silicon wafers, thereby increasing the frequency of reuse. These actions demonstrate the Company's commitment to resource efficiency and environmental responsibility.

## Biodiversity Protection

The protection of ecosystems and biodiversity is closely linked to human well-being and serves as a critical foundation for human survival and development. SolarSpace has consistently integrated ecosystem and biodiversity conservation into the full lifecycle management of its production operations. By strictly avoiding ecological protection red lines during the engineering planning phase and conducting environmental impact assessments in compliance with relevant laws, regulations, and standards, the Company effectively reduces its impact on ecosystems and promotes harmonious coexistence between humanity and nature.

### Initiatives for Ecosystem and Biodiversity Conservation



During project site selection, given that both cell and module manufacturing are categorized as pollution-generating projects, we choose industrial lands such as economic development zones for our construction projects to minimize their ecological impact.



For photovoltaic power plant projects involving natural resources like farmland, grassland, barren hills, or deserts, we conduct advance biodiversity impact assessments.

The SolarSpace construction project is located within the development zone and does not involve protected or restored habitats. As of the end of the Reporting Period, the Company's production and operation activities are not located within ecological protection red lines and will not have a significant impact on ecosystems and biodiversity in areas with important ecological functions or ecologically sensitive and fragile zones.

# 03 Value Creation

SolarSpace is committed to fostering a diverse, equitable, and inclusive workplace culture. We pledge to provide equal employment and career development opportunities for all job seekers and employees globally, actively recruit talent, strengthen talent pipeline construction, and drive the Company's long-term development.

The United Nations Sustainable Development Goals (SDGs) relevant to this chapter include:



## 3.1 Labor Rights and Welfare

### Labor Rights

SolarSpace strictly complies with labor laws and regulations in all jurisdictions of operation, including the *Labor Law of the People's Republic of China* and the *Labor Contract Law of the People's Republic of China*. The Company adheres to the core conventions of the International Labor Organization (ILO) and international human rights standards. Internally, the Company has established a series of policies, such as the *Recruitment Management System*, *Welfare Management System*, *Remuneration Management System*. On the basis of ensuring compliance in recruitment processes, the Company provides employees with a comprehensive compensation incentive and welfare guarantee system. It actively fosters a fair, safe, and harmonious work environment to ensure that the legitimate rights and interests of every employee are respected and protected.

SolarSpace adheres to compliant and equal employment practices and firmly prohibits the occurrence of child labor, forced labor, and other such violations. We have issued the *Human Rights Commitments and Policies* to ensure that employees are not discriminated against during employment due to differences in gender, age, nationality, race, religious belief, marital status, etc., thereby safeguarding their equal right to employment. We also respect employees' rights to freedom of assembly and freedom of association as guaranteed by law. The Company has established the Digital Human Resources (DHR) system to conduct information verification and human resource compliance checks prior to employee onboarding, ensuring compliant employment. During the Reporting Period, the Group did not experience any incidents of employment discrimination, child labor, or forced labor.

The percentage of employees covered by formally elected employee representatives or collective agreements

100%



During the Reporting Period, SolarSpace has steadily advanced the implementation of the SA8000 social responsibility system certification. A three-tier document system has been established, encompassing the Social Responsibility Manual, Labor Rights Procedures, and Human Resources and Administrative Operation Documents.

### Talent Acquisition

High-quality talent is the inexhaustible driving force for the Company's development. We closely align with business and organizational development needs to proactively plan talent acquisition. By establishing diversified recruitment channels and implementing special initiatives such as the "Light Pursuit Program" and the "Global Talent Recruitment Plan", we actively recruit top talent and continuously expand our high-quality talent reserve.

#### SolarSpace Talent Acquisition Program

##### Light Pursuit Program

- SolarSpace offers graduates diversified employment channels through the light pursuit program, offline campus presentations, online webinars, dual-selection fairs, and online application platforms



##### Global Talent Recruitment Plan

- Aligned with the company's global strategy and talent development needs, we aim to build a sustainable global talent pipeline by attracting overseas-educated talent and retaining international professionals

Driven by business development and global strategic layout, the Company has established a systematic talent acquisition framework. Through external hiring and internal referrals, we actively attract experienced engineering and technical professionals from the industry to build a core team with strong R&D capabilities, supporting the development of our main business. Simultaneously, we have established partnerships with universities to attract and develop high-potential graduates, building a sustainable talent

pipeline and enhancing organizational vitality. To support our international strategy, we continue to hire overseas-educated professionals and international experts, while advancing a localization hiring approach in key markets. These efforts support effective cross-cultural collaboration and strengthen our global workforce. As of the end of the Reporting Period, the Company had a total of 4,684 formal employees.

### SolarSpace has established a school-enterprise cooperation with the National University of Laos

In 2025, SolarSpace deepened its cooperation with the National University of Laos by signing the *Agreement on the Joint Establishment of Engineering Education School-Enterprise Cooperation Internship and Training Base in Lao PDR*, officially launching the tripartite joint training program. This collaboration not only consolidates the partnership between both parties but also effectively supports the Company in establishing its overseas image, expanding regional influence, and reserving and recruiting high-quality local talent through the co-construction of a practical platform.



SolarSpace has established an internship and employment cooperation agreement with the National University of Laos

### SolarSpace promotes local employment

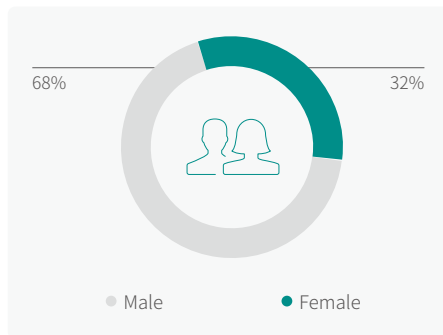
In 2025, the Company successfully held a campus recruitment presentation at the National University of Laos, attracting over 200 students on-site and receiving more than 50 inquiries and applications in total. This recruitment initiative is a key component of the Company's overseas talent strategy and has injected new vitality into the local talent market. To date, the Company has cumulatively created over 1,500 jobs for the local community in Laos, continuously supporting regional economic development and the realization of talent value.



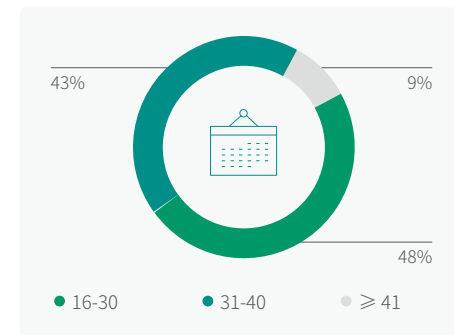
On-site Recruitment Fair in Laos

## SolarSpace Performance Table

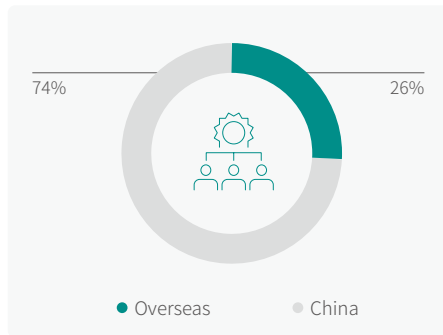
### By Gender



### By Age Group



### By Region



## Compensation and Benefits

Upholding the principles of "determining job levels based on positions, setting salaries based on levels, and adjusting both upon level changes", SolarSpace continuously optimizes its compensation management system to provide employees with competitive compensation and benefits. We have established the *Remuneration Management System* internally to clarify the mechanisms for determining and adjusting compensation, ensuring the fairness and rationality of compensation distribution.

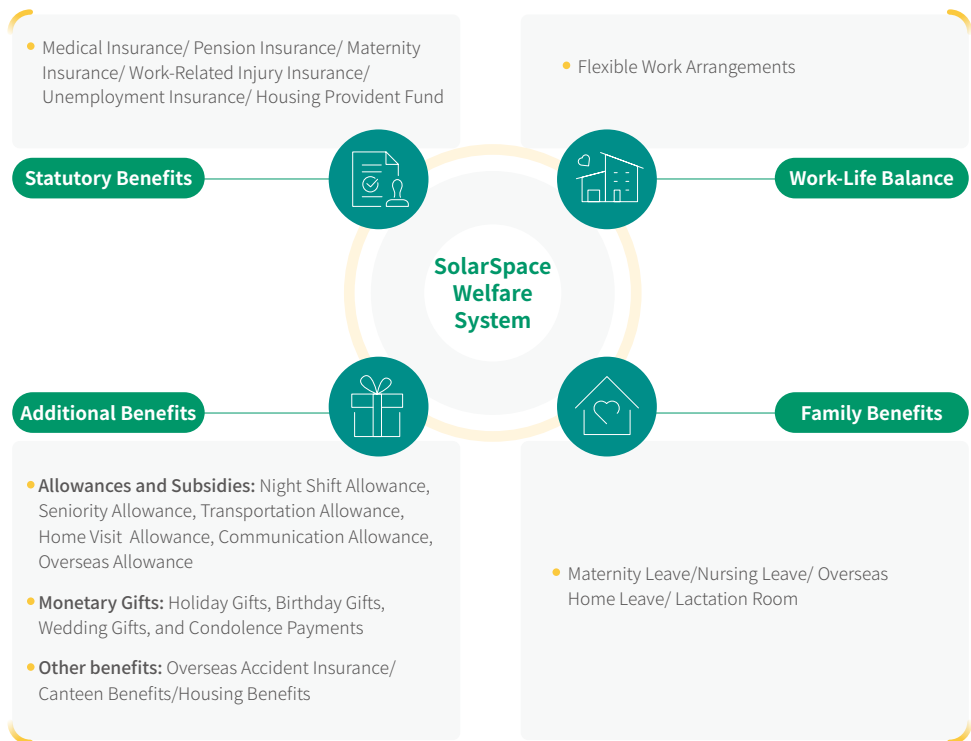
To effectively attract and retain talent, SolarSpace has established a comprehensive compensation system encompassing fixed pay, variable pay, bonuses, and equity incentives, supported by an implementation of dynamic adjustment mechanisms. This mechanism ensures the internal fairness and external competitiveness of employee compensation through regular market benchmarking and reviews of corporate operations, enabling flexible optimization of pay levels.

### SolarSpace Compensation and Incentive Mechanism

The Company has established multiple incentive mechanisms, including sales bonuses, technological innovation awards, and intellectual property awards, to provide substantial rewards for employees who have made significant contributions in areas such as sales, technological innovation, and intellectual property creation, thereby continuously stimulating employee creativity.

The Company has implemented an equity incentive plan for three consecutive years, with over 60 employees participating. The coverage includes senior management personnel, key middle-level staff, and core technical professionals.

SolarSpace recognizes that employees are the cornerstone of the Company's development. We continuously monitor employee needs by establishing the *Welfare Management System* to build a comprehensive employee welfare system. We actively provide various benefit safeguards beyond compensation for all employees and continuously improve and optimize these measures based on employee feedback.



## Employee Care

The Company advocates the work philosophy of "Happy Work, Happy Life" and continuously carries out diversified employee care activities. Through policy guarantees and resource investment, it is committed to enhancing employees' well-being and sense of belonging.

### Employee Care Initiatives

#### Work Environment Care

- Provide free ginger tea and mung bean soup in the pantry during extreme cold or heat to help employees warm up or cool down
- Offer dinner and late-night meals for night-shift staff
- Arrange shuttle buses to ensure convenient commuting



#### Policy and Life Support

- Assist eligible employees in applying for talent allowances, introduce outstanding talents to local governments, and secure entitled subsidies for staff
- Provide on-site fitness facilities to help employees balance work with exercise and improve physical well-being



#### Overseas Employee Care

- Grant monthly overseas allowances to expatriate staff
- Offer paid home leave every six months with round-trip travel expenses reimbursed



We place full emphasis on the physical and mental well-being of female employees. We have established a Women's Employee Committee to regularly organize care activities for them. Simultaneously, we have improved infrastructure for pregnant employees by equipping nursing rooms and providing more flexible and humanized work arrangements. In addition, the Company provides maternity leave and lactation leave to female employees in accordance with the law. The return-to-work rate for female employees after marriage or childbirth leave is 100%.



Gifts for Women's Care Activities



## 3.2 Diversity, Equity, and Inclusion

### Talent Diversity

We believe that a diverse team brings richer perspectives and ways of thinking, thereby stimulating collective intelligence to drive continuous business innovation and the Company's long-term development.

To facilitate the deep integration of its international team, the Company places high importance on the cultural adaptation process for expatriate employees. We systematically planned and provided diverse cross-cultural exchange platforms to assist expatriate employees in deeply understanding and identifying with the core essence and values of the Company's corporate culture. This initiative aims to bridge cultural divides and fundamentally enhance team cohesion and collaborative effectiveness.

#### 2025 SolarSpace Diversity, Equity, and Inclusion Data

Number of Discrimination Incidents

0 Cases

Proportion of women in senior management positions

20.40%



Percentage of employees from minority and/or underrepresented groups<sup>22</sup>

28%

Percentage of new employees who have received training on awareness of child labor, forced labor, and/or human trafficking issues

100%



Percentage of new employees who have completed diversity, discrimination, and harassment awareness training

100%

Unadjusted average gender pay gap

19.70%



Percentage of employees from minority and/or vulnerable groups in the senior management team

1.90%

Percentage of women on the Board of Directors

33.33%



<sup>22</sup> Minority groups refer to various characteristics such as race, religion, disability status, or gender identity.

Vulnerable groups refer to populations facing greater burdens and risks in the workplace due to special circumstances in their physical, social, political, economic, or personal characteristics. For example, children and adolescents, the elderly, persons with disabilities, or refugees.

#### Warm Care and Cultural Integration



SolarSpace has consistently focused on the diverse needs of its employees. To better accommodate the dietary habits of Lao nationals, the Laos base has established a dedicated Lao cuisine window in the cafeteria. This initiative not only allows employees to savor the flavors of their hometowns but also demonstrates the Company's respect for and inclusivity toward diverse cultures, further fostering a harmonious, warm, and inclusive work environment.

Furthermore, the Company fully respects the religious needs and traditional cultural customs of its Lao employees. During public holidays in Laos, the Company provides leave benefits to employees and distributes gifts as a token of appreciation.



Diverse Service Windows at the Laos Base Canteen

## Employee Communication

The Company strictly prohibits employment discrimination and workplace harassment. By setting up a reporting mechanism, the Company ensures that employees are protected from sexual harassment, threats, and intimidation in the workplace. Simultaneously, we have incorporated content on anti-discrimination and anti-harassment into the new employee orientation program to ensure full awareness of the Company's management philosophy regarding equal employment practices and the prevention of workplace harassment. Employees may report any incidents of inequality, discrimination, or harassment encountered in the workplace via the DingTalk platform, Office Automation (OA) email, or the reporting hotline. Regarding reported incidents, we will conduct a serious investigation and take necessary measures to ensure that the legitimate rights and interests of employees are effectively protected.

In addition, to facilitate employee communication and integration, the Company regularly organizes employee symposiums covering all organizational levels. These sessions jointly discuss compensation, benefits, health, training, and other issues of concern to employees, effectively establishing a robust communication channel between the Company and its workforce while strongly safeguarding employee rights.



2025 SolarSpace Employee Symposium Site



SolarSpace regularly conducts employee satisfaction surveys to gain a deeper understanding of employees' needs and concerns. In 2025, the employee satisfaction survey conducted by SolarSpace focused primarily on dining satisfaction. The survey covered dimensions including food hygiene, dish flavor, variety and combination of menu items, dining environment, service attitude, and the status of rectification from previous periods. This year's survey covered a total of 3,219 participants across the Group and its major bases, with a dining satisfaction rate of 82%. The Company also launched a special initiative to enhance catering services based on employee feedback, actively improving the dining experience for employees.

In 2025

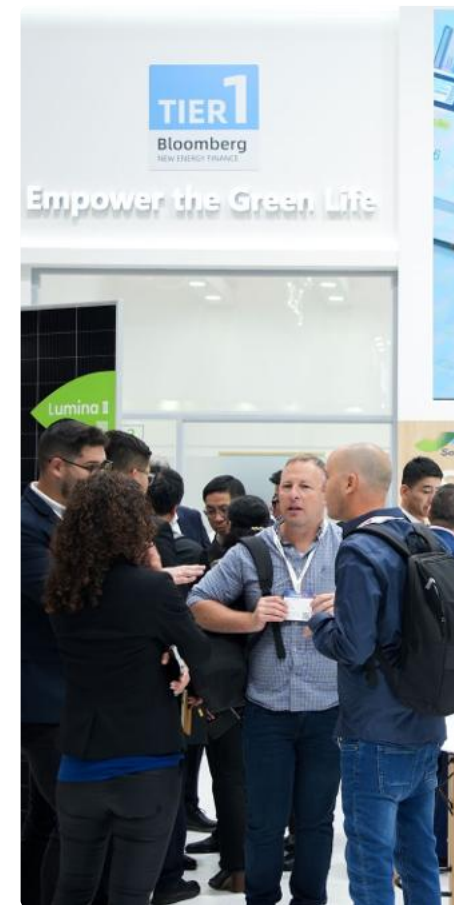
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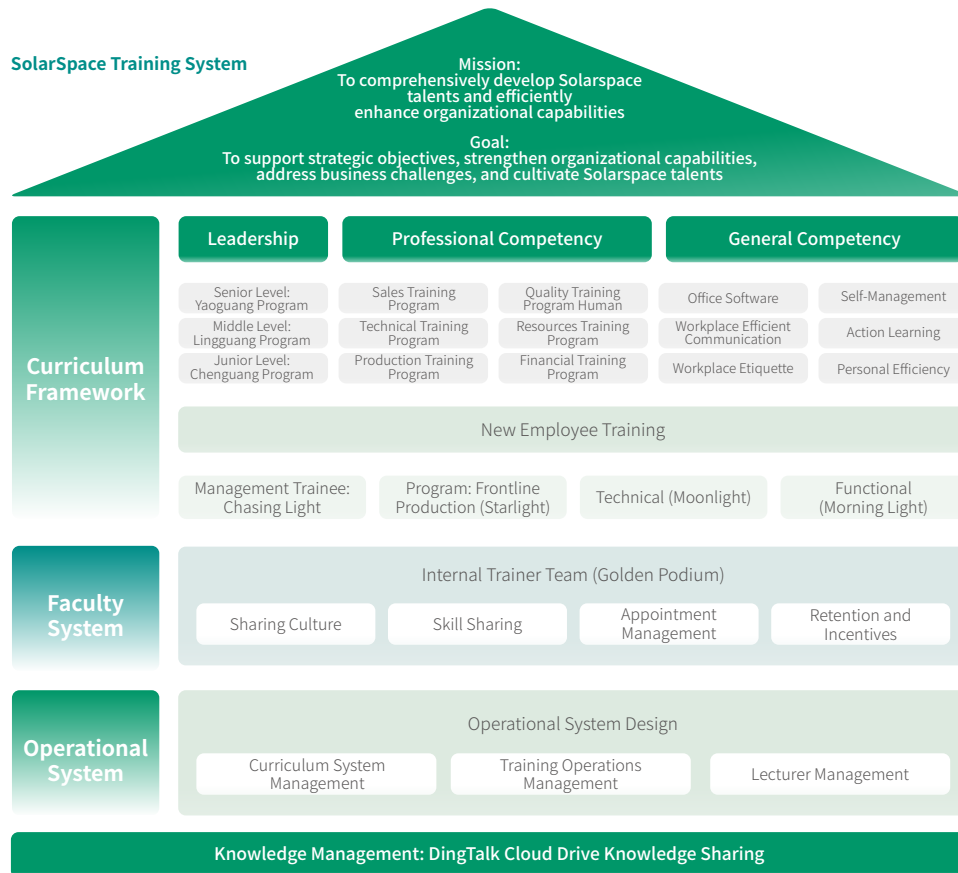
### 3.3 Talent Development and Training

SolarSpace attaches great importance to talent team building, has established a systematic talent development system, and provides employees with customized career development pathways.

#### Talent Training

The continuous development of the workforce serves as the driving force propelling the Company forward. Guided by the objectives of "serving strategic goals, enhancing organizational capabilities, resolving business challenges, and cultivating SolarSpace talent", we have established a comprehensive and scientific training system to ensure our employees empower the Company's long-term development and technological innovation through professional expertise.

SolarSpace attaches great importance to the construction of its training system. It has successively revised and improved the *Training Management System* and the *Internal Lecturer Management System*, integrated internal instructor resources within the Company, we advocate a learning culture of "rapid learning and continuous iteration". Based on business needs and employee development goals, we implement targeted programs tailored to different groups and competency requirements. We are progressively building an experienced training team to effectively support the implementation of training operations and foster a learning organization. Furthermore, the Company has established a comprehensive training curriculum system covering production, technical research and development, and quality improvement.



SolarSpace places emphasis on enhancing employee capabilities. Based on job requirements and competency standards, while considering external market developments and technological iterations, the Company introduces professional resources from outside and consolidates experience extraction internally to conduct various management and professional capability improvement training programs. The content covers enhancing management capabilities, improving operational skills, acquiring business knowledge, and sharing external market insights, thereby supporting employees' continuous growth and progress. Simultaneously, the Company systematically encourages and supports all employees in obtaining skill certificates relevant to business operations and future-oriented competencies. The Company has established policies for external training applications and expense reimbursement, demonstrating its investment in the professional and personal capability development of its workforce. During the Reporting Period, 95% of employees at the Company received training related to skills.

**During the Reporting Period**

**95%**

of employees at the Company received training related to skills

## Training for Organizational Management



We provide specialized training for managers focused on "high-efficiency team building" and "localized operations management," aiming to comprehensively enhance their practical leadership capabilities and cross-cultural adaptability, thereby continuously strengthening the Company's organizational backbone.



Management Training: Building an Efficient Team



Management Training: Localized Management Courses

## Organize Professional Skills Training



To support employees' continuous growth and meet the practical needs of business development, we systematically organize and conduct professional skills training. These trainings are meticulously designed around core competency requirements and emerging technology trends. Through a variety of formats including theoretical instruction, practical drills, and case studies, they aim to enhance employees' deep expertise in their respective professional fields, their ability to resolve complex issues, and their overall job competency.



Professional Skills Training



### During the Reporting Period

SolarSpace conducted employee training with a cumulative total duration of

# 73,258 hours

The average number of training hours per employee was

# 15.64 hours

And the completion rate of the employee training plan reached

# 100 %

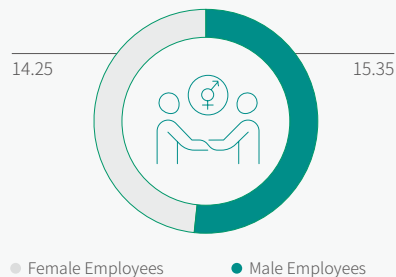
### Number of Employees Trained by Gender



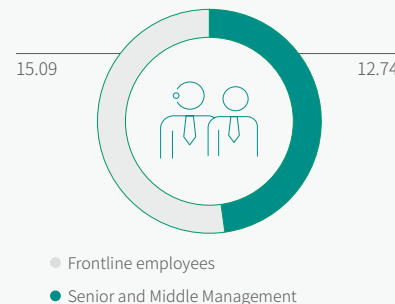
### Number of Employees Trained by Job Level



### Average Training Hours by Gender



### Average Training Hours by Job Level



## Talent Development

SolarSpace attaches great importance to talent development and regards talent as the core driving force for the Company's growth. Through the formulation of a series of management policies, including the *Performance Management System*, we have established a performance management system centered on key performance indicators (KPIs) and key work indicators to ensure comprehensive and objective evaluation of employee performance.

We scientifically evaluate employees' value contributions. Based on strategic development requirements, job functions and responsibilities, as well as comprehensive capabilities and qualities, the Company establishes differentiated performance appraisal systems for employees at different levels. We conduct regular performance appraisals and utilize the results as a basis for employee promotions, training and development, and compensation adjustments. This approach aims to stimulate employee enthusiasm while continuously enhancing individual performance and overall company effectiveness. 100% of SolarSpace's employees undergo regular performance evaluations.

In addition, SolarSpace has established management policies such as the *Promotion Management System*. Through dual career pathways comprising professional and managerial tracks, employees can select a growth direction aligned with their individual career development plans, achieving personal growth and development across various domains. During the Reporting Period, a total of 175 employees participated in internal competitive selection, further promoting job specialization and the optimization of the Company's organizational structure.

We firmly believe that employees are the Company's most valuable assets and the core force driving sustainable development. We continue to advance the annual selection and incentive program for outstanding individuals. Our objective is to stimulate employee potential and foster a positive organizational atmosphere of 'striving to learn from, surpass, and catch up with others' through fair, transparent, and timely positive feedback. The selection criteria for Outstanding Individuals encompass KPI assessments, work safety, and team empowerment. In the 2025 fiscal year, a total of 92 Outstanding Individuals were recognized across all departments of the Company. We provide material rewards and promotion opportunities to award winners, deeply integrating recognition with career development.

### 3.4

# Occupational Health and Safety

SolarSpace attaches great importance to safety management, deeply integrating safety considerations into every aspect of the Company's operations. The Company continuously improves its safety management system, enhances employee safety awareness, and safeguards employees' occupational health and safety.

## Occupational Health and Safety Management System

SolarSpace strictly complies with all applicable laws and regulations at its operational locations, including the *Work Safety Law of the People's Republic of China*, the *Law of the People's Republic of China on Prevention and Control of Occupational Diseases* and the *Labor Law of the People's Republic of China*. The Company ensures the continuous improvement and effective operation of its work safety management mechanism through policies such as the *Safety Production Objective Management System*, *Development, Communication, Training, Evaluation, Revision, and Assessment Management System for Safety Production Responsibility System*, the *Occupational Disease Hazard Prevention and Control Responsibility System*, *EHS Education and Training Management System*, *Contractor Management Regulation*, *Security Risk Identification and Control Procedure*, and the *Hazard Investigation and Control System*. As of the end of the Reporting Period, the Group and four production bases have obtained ISO 45001:2018 Occupational Health and Safety Management System certification, with a coverage rate of 83.3%.



### As of the End of the Reporting Period

The Group and four production bases have obtained ISO 45001:2018 Occupational Health and Safety Management System certification, with a coverage rate of

# 83.3%



SolarSpace has established a safety production governance structure covering both the Group and its bases. At the Group level, a Safety Production Committee composed of the Chairman and heads of all business units is established to coordinate management matters related to occupational health and safety during business operations. At each operating base, a Base Safety Production Committee led by the base head was established concurrently to ensure that safety management requirements are vertically implemented and reach the frontline directly. We convene safety committee meetings on a quarterly basis to comprehensively review, coordinate, and advance the implementation of all health and safety initiatives.

To further implement accountability, the Company has integrated workplace safety into its operational goal management and assessment framework. Through a hierarchical decomposition from departments to individuals, safety responsibilities and assessments have been assigned to every position, continuously promoting the enhancement of health and safety awareness among all employees and fostering a sustainable safety culture. At the beginning of each year, we establish occupational health and safety management objectives and continuously monitor progress through monthly tracking, evaluation, and improvement. During the Reporting Period, all occupational health and safety objectives at each production base were achieved.

## Occupational Health and Safety Risk Management

SolarSpace continuously strengthens the management of occupational health and safety. It regularly conducts hazard identification and risk assessments, rectifies identified hazards, and formulates corresponding control measures for potential risks.

SolarSpace strictly adheres to the *Classification and Codes of Hazardous and Harmful Factors in the Production Process* (GB/T 13861) and the *Classification for Casualty Accidents of Enterprise Staff and Workers* (GB 6441), conducting a systematic identification of hazard sources across all production stages from four dimensions: personnel, objects, environment, and management. During the Reporting Period, the pass rate for occupational hazard factor testing at all bases reached 100%. Specifically, the Peixian base completed the safety and occupational health status assessment; the Tongshan base completed the safety acceptance and occupational health control effectiveness evaluation for the technical renovation project in Workshop No. 2; and the Suqian base completed the preliminary safety and occupational health evaluation and the specialized design chapter for the Phase III technical renovation project. All evaluation conclusions comply with regulatory requirements. In addition, the Group conducts hazard identification and assessment at each base at least once annually, formulates control measures, and continuously monitors and evaluates their implementation, thereby achieving systematic risk identification, compliant operations, and closed-loop management.

### Group Annual Management Objectives

Emergency Drill Completion Rate

≥ 90%

Special Equipment Regular Inspection Plan Completion Rate

100%

Certified Special Operations Personnel Rate

100%

Safety, Environmental Protection, and Occupational Health Training Completion Rate

100%

EHS Group System Document Update Rate

100%



Special Inspection of Major Hazard Sources



Safety Inspection at the Managerial Level for SolarSpace Chuzhou

Based on the results of risk assessments, we will develop corresponding prevention plans and implement targeted response measures according to risk priorities. Our preventive plan and measures include informing employees of potential occupational hazards, issuing qualified personal protective equipment to each employee exposed to occupational hazard factors, and equipping the site with safety supply cabinets and emergency material cabinets. Furthermore, we established occupational health monitoring files and regularly organized pre-employment, on-the-job, and post-employment occupational health examinations for employees. Personnel with abnormal examination results were promptly scheduled for re-examination, and personnel identified as having occupational contraindications were promptly reassigned to different positions. During the Reporting Period, SolarSpace identified a total of 1,059 occupational health and safety hazards, with a rectification rate of 100%. Each base organized 94 pre-employment and in-service occupational health examinations, covering 2,459 person-times. The coverage rate for occupational health examinations reached 100%, and the pass rate was also 100%.



Organize Employee Health Check-ups



## Safety Culture Development

SolarSpace places high importance on safety culture construction. Through systematic training programs, abundant learning resources, and diverse activities such as emergency drills, the Company comprehensively enhances employees' safety awareness and operational skills, fostering a strong safety culture.

To comprehensively enhance the safety literacy of all employees, SolarSpace has established an "Annual Safety and Occupational Health Training Plan" across its bases and implemented annual safety and occupational health training in accordance with this plan. Training content includes new employee safety education, PPT presentations, on-site training, and outsourced training to ensure employees thoroughly understand and strictly comply with the Company's health and safety policies. Among these, SolarSpace conducts three-level safety education for newly hired employees at the company, department, and team levels. During the Reporting Period, the Group achieved a 100% coverage rate for safety and occupational health training across all bases, with a total of 122,777 participant instances.

### SolarSpace Occupational Health and Safety Training Performance Table

#### Three-Level Safety Education for New Employees

Number of Training Sessions	Cumulative Training Duration	Number of Training Participants
470	11,280	7,841

#### Specialized Training on Occupational Health and Safety

Number of Training Sessions	Cumulative Training Duration	Number of Training Participants
245	245	114,936



Employee Occupational Health and Safety Training

## Contractor Occupational Health and Safety Risk Management

In addition, each of the Company's production bases has formulated an "Annual Emergency Drill Plan" and implemented annual emergency drills in accordance with the plan. The drill categories include comprehensive emergency drills, specialized emergency drills, on-site disposal drills, and other forms.



Safety Drills at All Production Bases

In addition to safeguarding the health and safety of our employees, we also prioritize the safety of our contractors. We have established internal management policies, including the *Contractor Management Regulation* and the *Contractor Management Manual*, to clarify safety requirements for construction activities such as those in import/export zones and hazardous operations. We have also implemented shared safety management responsibilities between both parties to enhance management efficiency and work quality. During the Reporting Period, no safety incidents involving contractors occurred.

In addition, we implement strict safety management measures for our contractors. In terms of access review, we strictly verify contractors' qualifications, personnel certifications, and safety records. Furthermore, we have signed safety management agreements with contractors to implement the safety responsibilities of both parties. Furthermore, we conduct safety orientation training and assessments for contractors to ensure personnel are aware of risks and rules.



Contractor Training and Assessment

### 2025 SolarSpace Occupational Health and Safety Performance Table

Indicators	2023	2024	2025
Number of work-related fatalities	0	0	1
Lost workdays due to occupational injuries	2,028 days	1,405 days	6,615 days
Percentage of operating locations where employee health and safety risk assessments have been conducted	/	100%	100%



### 3.5

# Community Engagement

SolarSpace has always adhered to the philosophy of harmoniously integrating corporate development with the fulfillment of social responsibilities. In multiple operational regions, we have advanced community development projects and steadfastly shouldered corporate responsibilities through concrete actions. During the Reporting Period, we put into practice the public welfare concept of "sharing development outcomes with society" by sponsoring the Chuzhou Langya Lantern Festival and making donations to the Suqian Red Cross Society, thereby constructing a symbiotic network between production operations and community development.



## 2025 SolarSpace Community Co-Building Performance Data

Number of employee participations in public welfare/volunteer activities

24

Hours of employee participation in public welfare/volunteer activities

190



### Caring for Special Children in Laos

In 2025, SolarSpace's Laos base actively fulfilled its local community responsibilities by organizing employee volunteers to participate in public welfare activities caring for children with disabilities. This initiative not only provides material assistance to children but also delivers comprehensive care through employee interaction and companionship alongside professional psychological counseling. By implementing a dual-support framework of 'living security plus emotional protection', the Company demonstrates its long-term commitment to community well-being.



Event Site



# 04 Governance-Driven Excellence

SolarSpace has always regarded compliant operations as the cornerstone of corporate development. Guided by strict business ethics and comprehensive risk management policies, it safeguards the Company's steady progress. The Company adheres strictly to compliance standards in its daily operations, continuously strengthens risk prevention and management mechanisms, deepens the advancement of anti-corruption efforts, and places high importance on information security protection to ensure sustainable and steady development.

The United Nations Sustainable Development Goals (SDGs) corresponding to this chapter include:



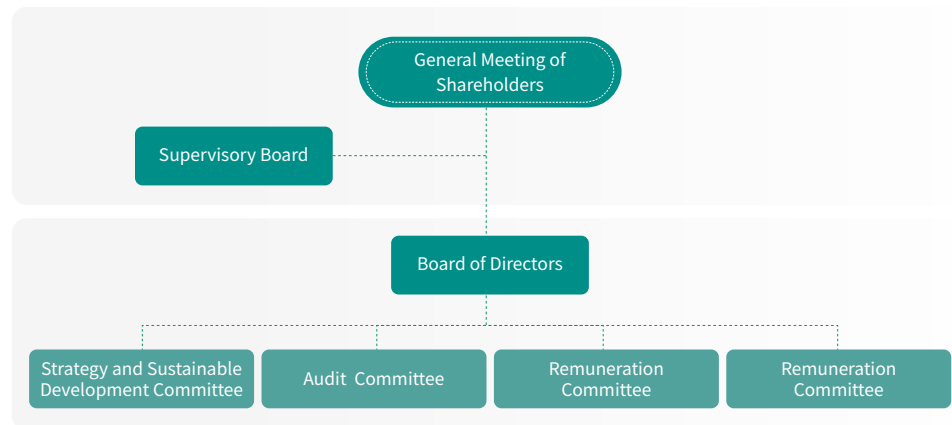
## 4.1 Corporate Governance

SolarSpace has established a sound organizational structure and effective management processes. It continues to strengthen supervision and enhance the transparency of information disclosure, striving to deliver long-term value for all stakeholders.

### Governance Structure

SolarSpace strictly complies with laws and regulations and regulatory requirements such as the *Company Law of the People's Republic of China*, the *Securities Law of the People's Republic of China*, the *Code of Corporate Governance for Listed Companies*, and the *Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited*. It has established a corporate governance structure with clear organization and defined responsibilities.

The Company's highest authority is the Shareholders' Meeting. The Supervisory Board is responsible for supervising key matters regarding the Company's operation and development, related-party transactions, and the management and use of raised funds, ensuring that the Company's development complies with regulatory requirements. The Company has established a governance structure centered on the Board of Directors, which is responsible for coordinating corporate operations and formulating strategies. Four specialized committees under the Board jointly oversee and supervise all matters related to corporate governance.



#### Strategy and Sustainable Development Committee

Responsible for conducting in-depth research on the Company's long-term development strategy and sustainability-related initiatives, proposing corresponding recommendations, and regularly reporting progress to the Board of Directors.

#### Audit Committee

Responsible to the Board of Directors, primarily overseeing communication, supervision, and verification regarding internal and external audits within the Company.

#### Remuneration Committee

Responsible for establishing assessment criteria for the Company's directors and senior management personnel and conducting such assessments; responsible for formulating and reviewing compensation policies and plans for the Company's directors and senior management personnel, and accountable to the Board of Directors.

#### Nomination Committee

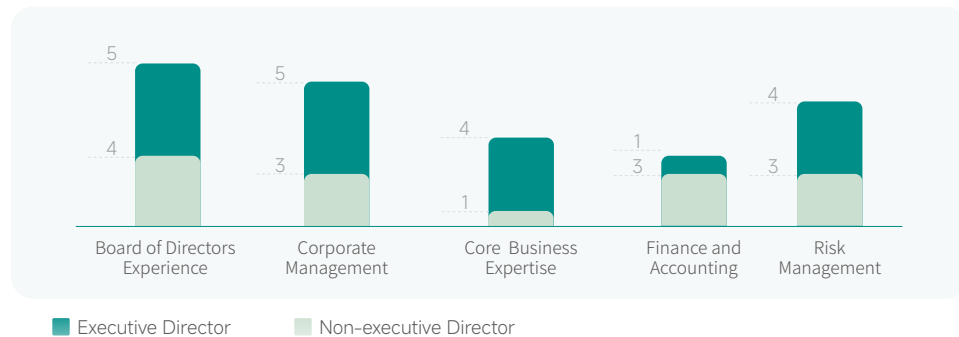
Responsible for researching and making recommendations regarding the selection, qualifications, criteria, and procedures for directors and senior management of the Company.

## Director Diversity

SolarSpace has established the *Rules of Procedure for Board Meetings and the Rules of Procedure for Supervisory Board Meetings*, along with relevant internal control policies. These measures effectively standardize the selection, assessment, and appointment/removal processes for directors, supervisors, and senior management personnel, ensuring that the Board of Directors and the Supervisory Board fully fulfill their roles in major decision-making and business operations.

The Company has consistently focused on the diversity and specialization of its Board of Directors, bringing together board members with diverse backgrounds and professional experience. We have established the *Board Diversity Policy* and, in conjunction with the *Articles of Association* and other relevant regulations, are committed to building a diverse Board. This policy assists the Company in comprehensively considering multiple factors when selecting board members, including gender, professional experience, cultural background, and educational background, to maintain a balanced structure of professional knowledge and capabilities among board members. As of the end of the Reporting Period, the Board of Directors of the Company consisted of nine directors, including five executive directors and four non-executive directors. The Board of Directors comprises three female directors, representing a proportion exceeding 33%. The background of the Board members covers multiple domains including renewable energy applications, sustainable development, climate change, legal compliance, business strategy, financial management, and risk management, providing a comprehensive and solid management foundation for the Company's long-term development.

### Director Skills and Experience



During the Reporting Period, the Company conducted training on directors', senior management's and supervisors' responsibilities and compliance for its directors, senior management, and supervisors. The training covered areas such as board and director duties, corporate governance and ESG, risk management, and internal monitoring, continuously enhancing performance capabilities to ensure decision-making quality and create long-term value.

## Investor Relations

SolarSpace maintains effective communication with investors by leveraging channels such as investor hotline services, dedicated email addresses, and roadshow events to build a robust bridge for in-depth engagement. During the Reporting Period, the Company conducted over 70 investment roadshows and held 3 shareholder meetings. It received 60 emails from media outlets and handled more than 600 inbound calls.

The Company encourages and warmly welcomes on-site visits by existing shareholders, covering major production bases, both in China and overseas. Building on the foundation of continuous and efficient two-way communication with shareholders, we conducted investor roadshows through an integrated online and offline model. Additionally, we established an investor hotline and a dedicated investor relations email address to further facilitate communication channels, providing answers to investors' inquiries within compliance boundaries.

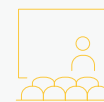
To effectively safeguard the legitimate rights and interests of shareholders, the Company actively cooperates with them to advance post-investment management work, promptly responds to their needs, and provides required compliance documentation. Meanwhile, in strict accordance with requirements, the Company compiles and submits post-investment management reports to shareholders on a quarterly basis.

### During the Reporting Period

The Company conducted over

**70**

investment roadshows



Held

**3**

shareholder meetings



## 4.2 Business Ethics

The Company adheres to business ethics standards and maintains a zero-tolerance stance toward corruption, bribery, and unethical conduct. It encourages and requires partners to align with the same ethical standards as the Company. The Company firmly opposes unfair competition and actively fosters an integrity-driven, fair, and mutually beneficial business ecosystem. During the Reporting Period, the Company did not experience any violations of laws and regulations or breaches of business ethics involving corruption, conflicts of interest, fraud, money laundering, insider trading, or unfair competition.

The Company adheres to applicable laws and regulations in all jurisdictions of operation, including the *Law of the People's Republic of China Against Unfair Competition* and the *Anti-Monopoly Law of the People's Republic of China*. It has established anti-corruption and anti-bribery policies, such as the *Integrity Management System* and the *Code of Ethical Business Conduct*, to provide a compliance framework and guiding principles for employees' daily conduct. All employees have signed the *Employee Integrity Commitment*, and regular training on anti-corruption and anti-bribery is conducted. As of the end of the Reporting Period, the Company has obtained ISO 37001:2016 Anti-Bribery Management System certification.

SolarSpace has established a business ethics governance structure with the Board of Directors at its core, supported by close collaboration among the Audit and Supervision Department, Human Resources Department, Finance Center, and Administration Department. The Audit and Supervision Department conducts investigations into violations regularly in accordance with inspection procedures. Penalty decisions for investigated cases are submitted to senior management or even the Board of Directors for approval based on the severity of the cases. This establishes an independent review and supervision mechanism within the Company, ensuring the daily control of risks related to commercial ethics issues, including anti-corruption and anti-unfair competition.

### Roles and Responsibilities in the Business Ethics Management System

- Audit and Supervision Department**
  - Responsible for receiving reports from all employees and overseeing them, as well as investigating and verifying reported incidents and violations
  - Responsible for maintaining the anti-fraud reporting channels and investigating cases; submitting investigation and disciplinary reports based on verification results
  - Responsible for handling the collection procedures for recovered and confiscated funds
  - Responsible for following up on the implementation of opinions regarding investigation, handling, and accountability
- Finance Center**
  - Responsible for establishing a dedicated integrity account and collecting relevant funds
  - Responsible for receiving gift money and case recovery funds from business interactions with headquarters departments, as well as confiscated and forfeited amounts
- Human Resources Department**
  - Based on the findings of the Audit and Supervision Department, penalties shall be imposed on the responsible personnel to ensure that employee performance appraisals, job transfers, salary adjustments, and disciplinary actions are linked to violations of rules and regulations
- Administrative Department**
  - Responsible for handling the seizure and custody of physical items

The Company's Audit and Supervision Department adheres to the principle of combining comprehensive coverage with key supervision. It conducts anti-corruption audits annually on high-risk businesses and personnel, implements relevant disciplinary measures against employees found engaging in misconduct, and regularly publishes audit results. In 2025, the Audit and Supervision Department conducted audit supervision over the Group and its subsidiaries by employing various methods, including routine audits, special audits, and economic responsibility audits, aligned with business operations, management scenarios, and audit coverage requirements. Throughout the year, audit projects covered high-risk areas including expense reimbursement, procurement contracts, order bonuses, overseas assets, and base operations, proactively detecting and mitigating potential risks of fraud, conflicts of interest, and compliance failures.

SolarSpace also extends business ethics requirements to its supply chain. Through mechanisms such as requiring suppliers<sup>23</sup> to sign the *SolarSpace Partner Code of Conduct*, the Company conducts anti-corruption and business ethics management with suppliers in three areas: management requirements, assessment and supervision, and training and incentives. This ensures that suppliers adhere to high standards consistent with those of the Company.


**During the Reporting Period**

The signing rate of the *Employee Integrity Commitment* for new hires and employees in key positions reached

**100%**

The signing rate of the *SolarSpace Partner Code of Conduct* for partners also reached

**100%**



<sup>23</sup> Suppliers refer to Category A and Category B suppliers

### Integrity Training for Management and Core Employees

In 2025, the Company launched an anti-bribery training program for senior and middle-level managers as well as core employees. This initiative aims to transform compliance requirements from "policy provisions" into the conscious awareness and clear boundaries for conduct of key positions. It is a core measure for preventing systemic ethical risks and implementing the ISO 37001:2016 Anti-Bribery Management System requirements, providing solid assurance for the Company's sound governance and sustainable development.



Business Ethics Training

### 2025 SolarSpace Business Ethics Performance Table

Number of Commercial Ethics and Anti-Corruption Training Sessions Conducted

5

Total Hours of Employee Business Ethics Training

35

Coverage of Business Ethics Training — Directors

100%

Coverage of Business Ethics Training — Management Personnel

100%

Coverage of Business Ethics Training - Frontline Employees<sup>24</sup>

70%

Cumulative number of participants in business ethics training

700

litigation cases resulting from violations of business ethics and unfair competition

0

## Whistleblowing Mechanism


We have established a comprehensive and independent reporting mechanism to encourage all stakeholders to report suspected violations of laws, regulations, or business ethics through multiple channels, including telephone, email, and written correspondence. At the same time, we commit to strictly maintaining the confidentiality of whistleblowers' identities and information. Any acts of threat, intimidation, inducement, or retaliation against whistleblowers or witnesses are strictly prohibited.

The Complaint and Reporting Handling Procedure of SolarSpace applies to all employees, suppliers, customers, and other stakeholders of the Company. The Company encourages employees and stakeholders to actively report any acts that harm the interests of the Company or its employees, thereby strengthening disciplinary constraints and penalties for violations, and safeguarding the legitimate rights and interests of the Company and its employees. The Audit and Supervision Department investigates all reports. If the reported information is verified as accurate, the Company will provide a cash reward to the whistleblower. For confirmed cases of violations, the Audit Department and Human Resources Department will impose penalties on employees in accordance with the *Integrity Management System* and submit a summary report to senior management or the Board of Directors. Disciplinary actions include, but are not limited to, warnings, demotions, or removal from office. Cases involving serious circumstances shall be referred to judicial authorities.

During the Reporting Period, the Company had no litigation events arising from violations of business ethics or unfair competition.

<sup>24</sup> The scope of frontline employees includes only functional departments.

### SolarSpace Whistleblowing Channels

 **Email:**  
sjjcb@solarspace.cn

 **Tel:**  
18626005486 (Same WeChat ID)

 **Mailing Address:**  
Audit & Supervision Department  
29 Gaixin Road, Economic and Technological Development Zone, Xuzhou, China

## 4.3 Information Security and Privacy Protection

SolarSpace was committed to building a comprehensive information security system. In compliance with the legal and regulatory requirements of its operating locations, including the *Information Security Law of the People's Republic of China*, the *Data Security Law of the People's Republic of China*, the *Personal Information Protection Law of the People's Republic of China*, the *Regulations of the People's Republic of China on the Safety Protection of Computer Information Systems*, the *Measures for the Security Protection and Administration of the International Networking of Computer Information Networks*, and the *Personal Data (Privacy) Ordinance*, SolarSpace continuously improved its information security management mechanisms to comprehensively safeguard business data and customer privacy.

### Information Security Management Policy

#### Information Security Management System

Implements tiered control over information assets

#### IT Management System

Standardizes network usage practices

#### Genuine Software Management Policy

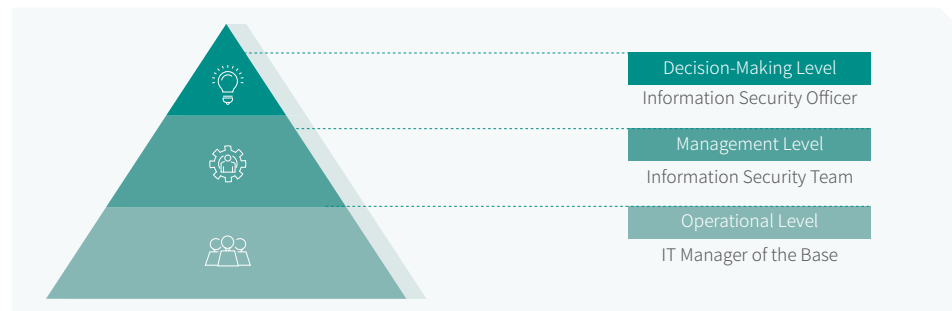
Ensures software license compliance

#### SolarSpace IT Emergency Plan

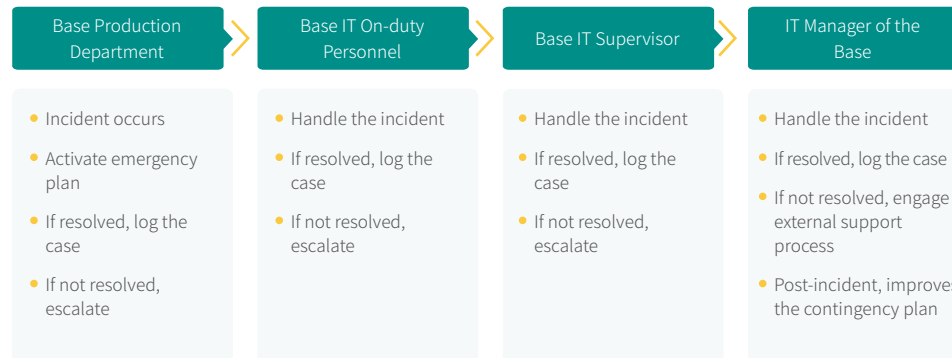
Addresses unforeseen security incidents

The Company has established a tiered IT incident management structure and implemented standardized response processes driven by emergency plans. Upon occurrence of an information security incident, teams at all levels initiate emergency response procedures in accordance with their authorized permissions. Incidents exceeding the disposal threshold are escalated through a hierarchical reporting mechanism for timely handling. By establishing a regular review mechanism, the Company could systematically evaluate the effectiveness of incident response, identify weak links, and formulate improvement measures to continuously optimize information security control capabilities.

### Information Security Management Structure



### Classification and Disposition Process for Information Security Incidents



## Information Security Assurance Measures

The Company strictly adhered to the requirements of Level 2 (Guided Protection) of China's Multi-Level Protection Scheme 2.0 national standard for cybersecurity. It has established a five-dimensional protection framework encompassing physical security, network security, host security, application security, and data backup to comprehensively safeguard the Company's information security.

### Physical Security

- The computer room is divided into the main computer room and monitoring area to ensure segregation of functional zones and targeted management
- The computer room is equipped with facial recognition electronic access control and surveillance systems to enforce strict personnel entry and exit management
- Leak detection and alarm devices are installed at both the top and bottom of the computer room
- The computer room is equipped with redundant circuits to ensure continuous and stable operation of equipment during power outages

### Network Security

- Regularly update network topology diagrams to maintain a clear understanding of the network architecture, facilitating effective security management
- VLAN segmentation, configure traffic and access control policies, independently segment critical equipment zones, and deploy perimeter firewalls
- Switch firewalls implement identity authentication mechanisms to prevent unauthorized device and user intrusions
- Redundant design of network links, core devices, and security devices ensures network connectivity
- Deploy network traffic probes to monitor and identify unauthorized traffic in real time

### Host Security

- Servers are equipped with identity authentication, access control, security audit, and antivirus mechanisms
- Deployment of server clusters with load balancing to improve processing capacity and reliability
- Vulnerability scanning and assessment conducted prior to the activation of servers and critical network equipment

### Application Security

- Application functions meet classified protection requirements, including identity authentication and audit logging
- Deployment Web Application firewall to defend against common Web security threats

### Data Backup

- Local data backups are performed daily and stored offsite to ensure remote disaster recovery

Furthermore, during the Reporting Period, the Company upgraded its comprehensive endpoint and server protection framework and implemented a network security situational awareness and coordinated defense system. As a result, malware infection rates across endpoints and servers dropped significantly, the risk of system vulnerabilities being exploited was effectively contained, and the efficiency of handling security incidents was substantially improved. Information security management has been upgraded from a traditional "passive detection and eradication" approach to a multi-layered defense architecture centered on proactive monitoring and coordinated response, comprehensively enhancing the Company's information security protection capabilities.

## Third-Party Information Security Review

The Company has established an information security audit mechanism and conducts regular internal and external compliance reviews to systematically identify risks of data leakage and system vulnerabilities. During the Reporting Period, the Company engaged an independent third-party firm to conduct penetration testing and security audits on critical areas, including the public-facing attack surface and internal server infrastructure. All identified vulnerabilities were rectified through closed-loop remediation processes, thereby continuously strengthening the Company's cybersecurity framework.

## Privacy Protection

The Company prioritized cross-border data transfer compliance and personal information protection, ensuring robust safeguards for the privacy and personal information of stakeholders such as employees, customers, and suppliers. At the source, we completed the iteration of protection and antivirus software for office and business terminals, optimized server security configurations, closed redundant ports, and updated security patches. Regarding the transmission process, we have completed a comprehensive classification and grading of all cross-border business data, clearly defined the boundary between core business data and general office data, and formulated targeted transmission path strategies. Furthermore, the Company deployed SD-WAN technology to encrypt international business data flows, ensuring all data transmissions remained fully traceable and auditable.

### During the Reporting Period

The Company conducted

**1**

information security simulation drill and an information security exchange meeting

The Company has

**0**

experienced any major information security incidents for three consecutive years

## 4.4

## Risk Management

SolarSpace adhered to regulatory requirements such as the *Audit Law of the People's Republic of China* and the *Basic Standard for Enterprise Internal Control*, establishing a compliance management system. It has formulated specialized policies including the *Articles of Association*, *Internal Control Management System*, and *Internal Audit Management System* to achieve dynamic management of compliant operations, thereby ensuring the legality and standardization of the Company's operations.

### Risk Management Structure



### Three Lines of Defense



### Risk Management Mechanism



The Company has established a dynamic update mechanism for legal compliance. The Legal Department regularly conducts benchmarking against domestic and international regulatory requirements to ensure that the policy framework is updated in sync with regulatory mandates. Concurrently implement quarterly reviews of internal control management policies and optimize departmental policies in alignment with business development needs. In addition, the Risk Management Department will amend contract clauses that conflict with ESG requirements in accordance with the Company's ESG system policies and require the contracting party to rectify behaviors that violate ESG requirements.

The Company adheres to the *Audit Law of the People's Republic of China* and its *Internal Audit Management System*, establishing an internal audit workflow. Audits were conducted quarterly across all departments and subsidiaries, with a focus on evaluating the authenticity, legality, and compliance of economic activities. The annual audit encompassed specialized management audits, specialized expense audits, bonus compliance audits, end-to-end order process audits, overseas warehousing compliance audits, and on-site operational inspections. During the Reporting Period, no significant violations were identified in the internal audit work.

### Internal Audit Workflow



# Appendix

## Appendix I: Key Performance Table

### Environmental Key Performance Table

Indicator	Unit	2023	2024	2025
<b>Climate Change<sup>25</sup></b>				
Scope 1 Greenhouse Gas Emissions	Tonnes of Carbon Dioxide Equivalent	21,396.44	21,766.24	<b>4,100.08</b>
Scope 2 Greenhouse Gas Emissions	Tonnes of Carbon Dioxide Equivalent	964,674.12	1,141,615.73	<b>997,973.64</b>
Total Scope 1 and Scope 2 Greenhouse Gas Emissions	Tonnes of Carbon Dioxide Equivalent	986,070.57	1,163,381.97	<b>1,002,073.72</b>
Scope 1 and Scope 2 Greenhouse Gas Emission Intensity	Tonnes of Carbon Dioxide Equivalent per MW <sup>26</sup>	25.39	29.50	<b>22.84</b>
Tonnes of Carbon Dioxide Equivalent per MW	Tonnes of Carbon Dioxide Equivalent	11,948.69 <sup>27</sup>	1,731,545.87 <sup>28</sup>	<b>6,364,975.82<sup>29</sup></b>
<b>Energy Consumption</b>				
Gas	Tonnes	/	30.34	<b>36.38</b>
Natural Gas	Ten Thousand Cubic Meters	19.87	16.42	<b>7.87</b>
Gasoline	Ten Thousand Liters	2.31	2.82	<b>2.27</b>
Diesel	Ten Thousand Liters	2.31	1.80	<b>1.32</b>
Purchased Electricity	Ten thousand kilowatt-hours	166,742.60	188,136.44	<b>195,995.33</b>
Purchased Steam	Ten thousand tonnes	11.98	7.51	<b>5.13</b>
Total Energy Consumption <sup>30</sup>	Ten thousand tonnes of standard coal <sup>31</sup>	21.65	23.85	<b>24.58</b>
Energy Consumption Intensity	Tonnes of standard coal per MW	5.57	6.05	<b>5.60</b>
Total Direct Energy Consumption	Tonnes of standard coal	317.53	270.76	<b>145.39</b>
Direct Energy Consumption Intensity	Tonnes of standard coal per MW	0.008	0.007	<b>0.003</b>
Total Indirect Energy Consumption	Tonnes of standard coal	216,171.16	238,265.10	<b>245,693.22</b>

<sup>25</sup> The boundary for Scope 1 and Scope 2 carbon emissions includes the Group and all production bases in operation as of December 31, 2024.

<sup>26</sup> In the Report, the statistical criteria for greenhouse gas emissions, energy consumption, water resource consumption, and three-waste discharge density indicators are based on the total output of cell and module products.

<sup>27</sup> The 2023 Scope 3 carbon emission statistics boundary includes Jiangsu Longheng and Yuhui Photovoltaic.

<sup>28</sup> The 2024 Scope 3 carbon emission statistics boundary includes the Group, Yuhui Photovoltaic, and Solarspace Laos.

<sup>29</sup> The 2025 Scope 3 carbon emission statistics categories include Category 3 (indirect emissions from transportation), Category 4 (indirect emissions from the use of sold products and services by the Company's customers), and Category 6 (other indirect emissions).

Indicator	Unit	2023	2024	2025
Indirect Energy Consumption Intensity	Tonnes of standard coal per MW	5.57	6.04	<b>5.60</b>
Total Renewable Energy Consumption	Ten thousand kilowatt-hours	1,173.88	2,176.24	<b>6,993.44</b>
Proportion of Renewable Energy Electricity Consumption	%	0.70	1.14	<b>3.45</b>
<b>Water Consumption</b>				
Total Water Resource Consumption	Ten thousand tonnes	1,859.89	1,655.33	<b>1,409.89</b>
Water Resource Consumption Intensity	Tonnes per MW	478.89	419.71	<b>321.31</b>
Total Water Resource Recovery and Reuse	Ten thousand tonnes	226.22	228.33	<b>186.42</b>
<b>Use of Packaging Materials</b>				
Total packaging material usage	Tonnes	/	/	<b>4,242.52</b>
Packaging Material Usage Density	Tonnes per MW	/	/	<b>0.10</b>
Volume of recycled packaging materials	Tonnes	/	/	<b>24</b>
<b>Exhaust Gas Emission</b>				
Total Exhaust Gas Emissions	Tonnes	54.54	35.80	<b>58.98</b>
Exhaust Gas Emission Intensity	Tonnes per MW	0.0014	0.0009	<b>0.0013</b>
Volatile Organic Compound (VOC) Emissions	Tonnes	7.04	7.39	<b>11.73</b>
Nitrogen Oxides Emissions	Tonnes	8.53	4.21	<b>8.09</b>
Sulfide Emissions	Tonnes	0.04	0.00	<b>0.01</b>
Particulate Matter Emissions	Tonnes	7.01	6.59	<b>8.99</b>
Emissions of Other Exhaust Gas Pollutants	Tonnes	31.91	17.61	<b>30.18</b>
<b>Wastewater Discharge</b>				
Total Wastewater Discharge	Ten thousand tonnes	1,038.10	1,148.23	<b>1,101.64</b>

<sup>30</sup> The statistical scope for total energy consumption and intensity includes direct energy consumption (natural gas, gasoline, and diesel) and indirect energy consumption (purchased electricity and purchased steam).

<sup>31</sup> The calculation methods and coefficients for energy consumption units (converted to standard coal) are based on the General Rules for *Comprehensive Energy Consumption Calculation (GB/T 2589-2020)* issued by the State Administration for Market Regulation and the Standardization Administration of China.

Indicator	Unit	2023	2024	2025
Wastewater Discharge Intensity	Tonnes per MW	267.29	291.13	251.06
Chemical Oxygen Demand (COD) Discharge	Tonnes	471.75	423.32	455.26
Total Nitrogen Discharge	Tonnes	87.62	86.00	108.29
Ammonia Nitrogen Discharge	Tonnes	32.44	25.86	45.21
Total Phosphorus Discharge	Tonnes	3.24	3.18	6.60
<b>Waste Emissions</b>				
Total Hazardous Waste Generated	Tonnes	164.60	146.90	130.34
Hazardous Waste Generation Intensity	Tonnes per MW	0.0042	0.0037	0.0030
Total Non-Hazardous Waste Generated <sup>32</sup>	Tonnes	50,367.68	41,585.94	25,428.72 <sup>33</sup>
Non-Hazardous Waste Generation Intensity	Tonnes per MW	1.30	1.05	0.58
Total Waste Recycled <sup>34</sup>	Tonnes	7,515.09	8,232.15	3,289.60

## Social Key Performance Table

Indicator	Unit	2023	2024	2025
<b>Employment<sup>35</sup></b>				
Total number of employees	Persons	9,264	5,201	4,684
<b>By Gender</b>				
Male employees	Persons	6,410	3,670	3,205
Female Employees	Persons	2,750	1,531	1,479
<b>By Age Group</b>				
16-30	Persons	4,998	2,500	2,238
31-40	Persons	3,799	2,332	2,041
≥ 41	Persons	373	369	405

<sup>32</sup> During the Reporting Period, only calcium fluoride sludge was included in the statistics for non-hazardous waste.

<sup>33</sup> Through measures such as hydrofluoric acid recovery and optimization of wastewater treatment processes, the generation and discharge of calcium fluoride sludge have been effectively reduced.

<sup>34</sup> Based on the estimated producer responsibility under the WEEE framework, agreements are signed with European compliance recycling organizations and periodically reconciled by the Company.

<sup>35</sup> The employee statistics disclosed in this report cover full-time employees only and do not include part-time or other employment types.

Indicator	Unit	2023	2024	2025
<b>By Region</b>				
China	Persons	8,173	3,164	3,484
Overseas	Persons	987	2,037	1,200
<b>Diversity, Equity, and Inclusion</b>				
Number of incidents of discrimination	Cases	/	0	0
Percentage of employees from minority and/or disadvantaged groups <sup>20</sup> in the total workforce <sup>36</sup>	%	/	17.53	28
Percentage of employees from minority and/or disadvantaged groups in the senior management team	%	/	3.70	1.90
Percentage of employees receiving diversity, discrimination and harassment awareness training	%	/	100	100
Percentage receiving awareness training on child labor, forced labor and/or human trafficking	%	/	100	100
<b>Employee Turnover Rate</b>				
Voluntary Employee Turnover Rate	%	9.15	7.64	6.82
<b>Employee Turnover Rate by Gender</b>				
Male employees	%	9.44	7.79	6.98
Female Employees	%	8.52	7.27	6.41
<b>Employee Turnover Rate by Age</b>				
16-30	%	10.60	9.44	9.81
31-40	%	7.59	5.85	3.58
≥ 41	%	5.45	3.56	2.04
<b>Employee Turnover Rate by Region</b>				
Domestic	%	8.95	6.04	2.95
Overseas	%	11.40	10.72	17.09

<sup>36</sup> Minority groups refer to various characteristics such as race, religion, disability status, or gender identity. Vulnerable groups refer to populations facing greater burdens and risks in the workplace due to special circumstances in their physical, social, political, economic, or personal characteristics. For example, children and adolescents, the elderly, persons with disabilities, or refugees.

Indicator	Unit	2023	2024	2025
<b>Training and Development<sup>37</sup></b>				
Total Employee Training Hours <sup>38</sup>	Hours	82,253	88,356	<b>73,258</b>
Average Training Hours per Employee <sup>39</sup>	Hours	5.57	5.92	<b>15.64</b>
<b>Number of Employees Trained by Job Level</b>				
Senior and Middle Management	Persons	/	187	<b>171</b>
Frontline Employees	Persons	/	5,014	<b>4,513</b>
<b>Number of Employees Trained by Gender</b>				
Male Employees	Persons	/	3,670	<b>3,205</b>
Female Employees	Persons	/	1,531	<b>1,479</b>
<b>Training Coverage by Job Level</b>				
Senior and Middle Management	%	/	3.60	<b>3.65</b>
Frontline Employees	%	/	96.40	<b>96.35</b>
<b>Training Coverage by Gender</b>				
Male Employees	%	/	70.56	<b>68.42</b>
Female Employees	%	/	29.44	<b>31.58</b>
<b>Average Training Hours by Job Level</b>				
Senior and Middle Management	Hours	/	2.90	<b>12.74</b>
Frontline Employees	Hours	/	6.30	<b>15.09</b>
<b>Average Training Hours by Gender</b>				
Male Employees	Hours	/	5.90	<b>15.35</b>
Female Employees	Hours	/	6.90	<b>14.25</b>
<b>Occupational Health and Safety</b>				
Number of Work-Related Fatalities	Persons	0	0	<b>1</b>
Work-Related Fatality Rate	%	0	0	<b>0.02</b>

<sup>37</sup> The scope of training and development performance data statistics covers regular full-time employees. The number of training hours by level and gender is estimated based on specific proportions.

<sup>38</sup> Total employee training hours = Average training hours per employee × Number of employees at the end of the reporting period.

<sup>39</sup> Average training hours per employee = Total cumulative training hours received by all employees during the reporting period / Total cumulative number of employees during the reporting period.

Indicator	Unit	2023	2024	2025
Lost Workdays Due to Workplace Injuries	Days	2,028	1,405	<b>6,615</b>
Employees Receiving Occupational Health and Safety Training	Person-times	/	140,738	<b>122,777</b>
Coverage Rate of Employee Health and Safety Training	%	/	100	<b>100</b>
Number of Safety Drills Conducted	Next	/	367	<b>408</b>
<b>Community Engagement</b>				
Charitable Donations	Yuan	/	99,286	<b>160,550</b>
<b>Supplier Management:</b>				
Total Number of Suppliers	Units	/	141	<b>127</b>
Number of Suppliers in Mainland China	Units	/	130	<b>115</b>
Number of Suppliers in Hong Kong, Macao, and Taiwan	Units	/	/	<b>2</b>
Number of Suppliers in Overseas Regions	Units	/	11	<b>10</b>

## Governance Key Performance Table

Indicator	Unit	2023	2024	2025
<b>Employment</b>				
Number of Business Ethics and Anti-Corruption Training Sessions Conducted	Sessions	/	5	<b>5</b>
Total Hours of Employee Business Ethics Training	Hours	/	30	<b>35</b>
Business Ethics Training Coverage Rate — Directors	%	/	100	<b>100</b>
Business Ethics Training Coverage Rate — Management Personnel	%	/	100	<b>100</b>
Business Ethics Training Coverage Rate — Frontline Employee	%	/	70	<b>70</b>
Cumulative Number of Participants in Business Ethics Training	Persons	/	600	<b>700</b>
Number of Business Ethics and Anti-Corruption Reports	Case	/	0	<b>0</b>

## Appendix II: HKEX ESG Reporting Code Index

Disclosure Requirements	Disclosure Status	Corresponding chapter or Explanation	Corresponding Page Number	
<b>Mandatory Disclosure Requirements</b>				
Governance Structure	Disclosed	Governance Driven Excellence - Corporate Governance	68	
Reporting Principles	Disclosed	About The Report	3	
Reporting Scope	Disclosed	About The Report	3	
"Comply or Explain" Clause				
<b>Aspect A1: Emissions</b>				
<b>General Disclosures</b>		Disclosed	Ecological Conservation - Ecological Conservation	46-50
A1.1	The types of emissions and respective emissions data.	Disclosed	Ecological Conservation - Ecological Conservation Environmental Key Performance Table	46-50, 75-76
A1.2	[Repealed 1 January 2025]	/	/	/
A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Disclosed	Ecological Conservation - Ecological Conservation Environmental Key Performance Table	50, 76
A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Disclosed	Ecological Conservation - Ecological Conservation Environmental Key Performance Table	50, 76
A1.5	Description of emission target(s) set and steps taken to achieve them.	Disclosed	Ecological Conservation - Ecological Conservation	46-50
A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	Disclosed	Ecological Conservation - Ecological Conservation	49-50
<b>Aspect A2: Use of Resources</b>				
<b>General Disclosure</b>		Disclosed	Ecological Conservation - Energy Management Ecological Conservation - Water Resource Management	40-45

Disclosure Requirements	Disclosure Status	Corresponding chapter or Explanation	Corresponding Page Number	
A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Disclosed	Ecological Conservation - Energy Management Environmental Key Performance Table	42, 75
A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Disclosed	Ecological Conservation - Water Resource Management Environmental Key Performance Table	45, 75
A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	Disclosed	Ecological Conservation - Energy Management	40-42
A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	Disclosed	Ecological Conservation - Water Resource Management	43-45
A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	Disclosed	Environmental Key Performance Table	75
<b>Aspect A3: The Environment and Natural Resources</b>				
<b>General Disclosure</b>		Disclosed	Ecological Conservation - Environmental Management	38-39
A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	Disclosed	Ecological Conservation - Environmental Management	38-39
<b>Aspect A4: Climate Change</b>				
[Repealed 1 January 2025]				
A4.1	[Repealed 1 January 2025]	/	/	/
<b>Level B1: Employment</b>				
<b>General Disclosure</b>				
B1.1	Total workforce by gender, employment type (for example, full- or parttime), age group and geographical region.	Disclosed	Labor Rights and Welfare Social Key Performance Table	54, 76
B1.2	Employee turnover rate by gender, age group and geographical region.	Disclosed	Social Key Performance Table	76

Disclosure Requirements	Disclosure Status	Corresponding chapter or Explanation	Corresponding Page Number
<b>Level B2: Health and Safety</b>			
<b>General Disclosure</b>			
B2.1	Disclosed	Occupational Health and Safety Social Key Performance Table	65, 77
B2.2	Disclosed	Occupational Health and Safety Social Key Performance Table	65, 77
B2.3	Disclosed	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	63-65
<b>Level B3: Development and Training</b>			
<b>General Disclosure</b>			
B3.1	Disclosed	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	Talent Development and Training Social Key Performance Table 61, 77
B3.2	Disclosed	The average training hours completed per employee by gender and employee category	Talent Development and Training Social Key Performance Table 61, 77
<b>Level B4: Labor Standards</b>			
<b>General Disclosure</b>			
B4.1	Disclosed	Description of measures to review employment practices to avoid child and forced labour.	Labor Rights and Welfare 53
B4.2	Disclosed	Description of steps taken to eliminate such practices when discovered.	Labor Rights and Welfare 53
<b>Level B5: Supply Chain Management</b>			
<b>General Disclosure</b>			
B5.1	Disclosed	Number of suppliers by geographical region	Excellence in New Energy – Sustainable Supply Chain 28
B5.2	Disclosed	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	Excellence in New Energy – Sustainable Supply Chain 28
B5.3	Disclosed	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	Excellence in New Energy – Sustainable Supply Chain 28

Disclosure Requirements	Disclosure Status	Corresponding chapter or Explanation	Corresponding Page Number
B5.4	Disclosed	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Excellence in New Energy – Sustainable Supply Chain 28
<b>Level B6: Product Responsibility</b>			
<b>General Disclosure</b>			
B6.1	Disclosed	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Excellence in New Energy – Product Quality and Safety 18
B6.2	Disclosed	Number of products and service related complaints received and how they are dealt with.	Excellence New Energy - Customer Service 21
B6.3	Disclosed	Description of practices relating to observing and protecting intellectual property rights.	Excellence New Energy - Clean Technology R&D 23
B6.4	Disclosed	Description of quality assurance process and recall procedures.	Excellence New Energy - Product Quality and Safety 18
B6.5	Disclosed	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	Excellence New Energy - Customer Service 21
<b>Level B7: Anti-Corruption</b>			
<b>General Disclosure</b>			
B7.1	Disclosed	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Governance-Driven Excellence - Business Ethics 71
B7.2	Disclosed	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	Governance-Driven Excellence - Business Ethics 70-71
B7.3	Disclosed	Description of anti-corruption training provided to directors and staff.	Governance-Driven Excellence - Business Ethics 71
<b>Level B8: Community Investment</b>			
<b>General Disclosure</b>			
B8.1	Disclosed	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Community Engagement 66
B8.2	Disclosed	Resources contributed (e.g. money or time) to the focus area.	Community Engagement Social Key Performance Table 66, 77

Climate-related Disclosures		Corresponding chapter or Explanation	Corresponding Page Number
Governance	19(a) The governance body(s) or individual(s) responsible for oversight of climate-related risks and opportunities	Ecological Conservation – Climate Change Mitigation	34
	19(b) Management's role in the governance processes, controls and procedures used to monitor, manage and oversee climate-related risks and opportunities	Ecological Conservation – Climate Change Mitigation	34
	20 Climate-related risks and opportunities that could reasonably be expected to affect the issuer's cash flows, its access to finance or cost of capital over the short, medium or long term	Ecological Conservation – Climate Change Mitigation	34-35
	21 The current and anticipated effects of climate-related risks and opportunities on the issuer's business model and value chain	Ecological Conservation – Climate Change Mitigation	34-35
Strategy	22 The effects of climate-related risks and opportunities on the issuer's strategy and decision-making	Ecological Conservation – Climate Change Mitigation	34-35
	23 The progress of plans disclosed in previous reporting periods in accordance with paragraph 22(a)	Ecological Conservation – Climate Change Mitigation	34-35
	24 Qualitative and quantitative disclosures about the current financial effects of climate-related risks and opportunities	The Company plans to gradually develop systematic analysis capabilities for financial impacts and will make disclosures in due course	/
	25 Qualitative and quantitative disclosures about the anticipated financial effects of climate-related risks and opportunities	The Company plans to gradually develop systematic analysis capabilities for financial impacts and will make disclosures in due course	/
	26 The resilience of the issuer's strategy and business model to climate-related changes, developments and uncertainties, and how and when climate-related scenario analysis is used to assess its climate resilience	The Company plans to gradually establish scenario analysis and enhance information transparency, with disclosure to be made in due course	/
	Risk Management	27(a)(b) The processes and related policies the issuer uses to identify, assess, prioritise and monitor climate-related risks and opportunities	Ecological Conservation – Climate Change Mitigation
27(c) The extent to which, and how, the processes for identifying, assessing, prioritising and monitoring climate-related risks and opportunities are integrated into and inform the issuer's overall risk management process		Ecological Conservation – Climate Change Mitigation	36
28 The issuer's absolute gross greenhouse gas emissions generated during the reporting period, classified as: Scope 1, Scope 2, Scope 3		Ecological Conservation – Climate Change Mitigation	37
Metrics and Targets	29 The standards, measurement approach and other reasonable and supportable information used to measure greenhouse gas emissions	Ecological Conservation – Climate Change Mitigation	37

Climate-related Disclosures		Corresponding chapter or Explanation	Corresponding Page Number
Metrics and Targets	30 The amount and percentage of assets or business activities vulnerable to climate-related transition risks	The Company is still conducting systematic identification and quantitative assessment of assets related to climate-related risks or opportunities. Relevant information will be disclosed in due course once the analytical framework is further refined.	/
	31 The amount and percentage of assets or business activities vulnerable to climate-related physical risks	The Company is still conducting systematic identification and quantitative assessment of assets related to climate-related risks or opportunities. Relevant information will be disclosed in due course once the analytical framework is further refined.	/
	32 The amount and percentage of assets or business activities aligned with climate-related opportunities	The Company is still conducting systematic identification and quantitative assessment of assets related to climate-related risks or opportunities. Relevant information will be disclosed in due course once the analytical framework is further refined.	/
	33 The amount of capital expenditure, financing or investment deployed towards climate-related risks and opportunities	Ecological Conservation – Climate Change Mitigation	34-37
	34 Whether and how the issuer is applying carbon pricing in decision-making, and the price of each metric ton of greenhouse gas emissions the issuer uses to assess the costs of its greenhouse gas emissions	The Company has not applied carbon pricing in its decision-making	/
	35 Whether and how climate-related considerations are factored into remuneration policy	The Company has not incorporated climate-related considerations into its compensation policies	/
	36 Industry-based metrics that are associated with one or more particular business models, activities or other common features that characterise participation in an industry	Not applicable	/
	37 The qualitative and quantitative climate-related targets the issuer has set to monitor progress towards achieving its strategic goals, and any targets the issuer is required to meet by law or regulation	Ecological Conservation – Climate Change Mitigation	37
	38 The approach to setting and reviewing each target, and how it monitors progress against each target	Ecological Conservation – Climate Change Mitigation	37
	39 Information about its performance against each climate-related target and an analysis of trends or changes in the issuer's performance	Ecological Conservation – Climate Change Mitigation	37
40 For each greenhouse gas emissions target disclosed, the type of target, the scope of the target, the approach used to set the target, and the use of carbon credits	Ecological Conservation – Climate Change Mitigation	37	
41 Applicability of cross-industry metrics and industry-based metrics	Not applicable	/	

## Appendix III: GRI Content Index

Disclosure Item	Disclosure Topics	Corresponding Chapter	Corresponding Page Number
<b>Universal Standards</b>			
<b>GRI 2: General Disclosures</b>			
<b>Organization and its reporting practices</b>			
2-1	Organizational details	About The Report	03
2-2	Entities included in the organization's sustainability reporting	About The Report	03
2-3	Reporting period, frequency and contact point	About The Report	03
2-4	Restatements of information	Not applicable	
2-5	External assurance	Appendix IV: Assurance Statement	84
<b>Activities and workers</b>			
2-6	Activities, value chain and other business relationships	Sustainable Development Governance - Stakeholder Engagement	15
2-7	Employees	Value Creation	53-65
<b>Governance</b>			
2-9	Governance structure and composition	Governance - Driven Excellence - Corporate Governance	68
2-10	Nomination and selection of the highest governance body	Governance - Driven Excellence - Corporate Governance	69
2-11	Chair of the highest governance body	Governance - Driven Excellence - Corporate Governance	69
2-12	Role of the highest governance body in overseeing the management of impacts	Governance - Driven Excellence - Corporate Governance	68
2-13	Delegation of responsibility for managing impacts	Governance - Driven Excellence - Corporate Governance	68
2-14	Role of the highest governance body in sustainability reporting	Sustainable Development Governance - Sustainable Development Governance	14
2-16	Communication of critical concerns	Sustainable Development Governance - Stakeholder Engagement	15

Disclosure Item	Disclosure Topics	Corresponding Chapter	Corresponding Page Number
<b>Strategy, policies, and practices</b>			
2-22	Statement on sustainable development strategy	Sustainable Development Governance - Sustainable Development Strategy	13
2-23	Policy commitments	Sustainable Development Governance - Sustainable Development Strategy	13
2-24	Embedding policy commitments	Sustainable Development Governance - Sustainable Development Strategy	13
2-25	Processes to remediate negative impacts	Sustainable Development Governance - Sustainable Development Strategy	13
2-26	Mechanisms for seeking advice and raising concerns	Sustainable Development Governance - Stakeholder Engagement	15
2-27	Compliance with laws and regulations	Sustainable Development Governance - Sustainable Development Strategy	13
<b>Stakeholder engagement</b>			
2-29	Approach to stakeholder engagement	Sustainable Development Governance - Stakeholder Engagement	15
2-30	Collective bargaining agreements	Value Creation - Labor Rights and Welfare	53
<b>GRI 3: Material Topics</b>			
3-1	Process to determine material topics	Sustainable Development Governance - Double Materiality Assessment	16
3-2	List of material topics	Sustainable Development Governance - Double Materiality Assessment	16
3-3	Management of material topics	Sustainable Development Governance - Double Materiality Assessment	16
<b>Issue Standards</b>			
<b>GRI 201: Economic Performance</b>			
201-2	Financial implications and other risks and opportunities due to climate change	Ecological Conservation - Climate Change Mitigation	55

Disclosure Item	Disclosure Topics	Corresponding Chapter	Corresponding Page Number
201-3	Defined benefit plan obligations and other retirement plans	Value Creation - Labor Rights and Welfare	55
<b>GRI 205: Anti-corruption</b>			
205-1	Operations assessed for risks related to corruption	Governance - Driven Excellence - Business Ethics	70
205-2	Communication and training about anti-corruption policies and procedures	Governance - Driven Excellence - Business Ethics	71
205-3	Confirmed incidents of corruption and actions taken	Governance - Driven Excellence - Business Ethics	71
<b>GRI 206: Anti-competitive Behavior</b>			
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Governance - Driven Excellence - Business Ethics	71
<b>GRI 302: Energy</b>			
302-1	Energy consumption within the organization	Ecological Conservation - Energy Management	42, 75
302-3	Energy intensity	Ecological Conservation - Energy Management	42, 75
302-4	Reduction of energy consumption	Ecological Conservation - Energy Management	40-42, 75
<b>GRI 303: Water and Effluents</b>			
303-1	Interactions with water as a shared resource	Ecological Conservation - Water Resource Management	43-45
303-2	Management of water discharge-related impacts	Ecological Conservation - Water Resource Management	43-45
303-3	Water withdrawal	Ecological Conservation - Water Resource Management	43-45
303-4	Water discharge	Ecological Conservation - Water Resource Management	48
<b>GRI 304: Biodiversity</b>			
304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	Ecological Conservation - Ecological Conservation	51

Disclosure Item	Disclosure Topics	Corresponding Chapter	Corresponding Page Number
304-2	Significant impacts of activities, products and services on biodiversity	Ecological Conservation - Ecological Conservation	51
304-3	Habitats protected or restored	Ecological Conservation - Ecological Conservation	51
<b>GRI 305: Emissions</b>			
305-1	Direct (Scope 1) GHG emissions	Ecological Conservation - Climate Change Mitigation	37, 75
305-2	Energy indirect (Scope 2) GHG emissions	Ecological Conservation - Climate Change Mitigation	37, 75
305-4	GHG emissions intensity	Ecological Conservation - Climate Change Mitigation	37, 75
305-5	Reduction of GHG emissions	Ecological Conservation - Climate Change Mitigation	37, 75
305-7	Nitrogen oxides (NO <sub>x</sub> ), sulfur oxides (SO <sub>x</sub> ), and other significant air emissions	Ecological Conservation - Environmental Management	47, 75
<b>GRI 306: Effluents and Waste</b>			
306-1	Water discharge by quality and destination	Ecological Conservation - Environmental Management	49-50
306-2	Waste by type and disposal method	Ecological Conservation - Environmental Management	49-50
306-3	Significant spills	Ecological Conservation - Environmental Management	49-50
306-5	Water bodies affected by water discharges and/or runoff	Ecological Conservation - Environmental Management	49-50
<b>GRI 308: Supplier Environmental Assessment</b>			
308-1	New suppliers selected using the environmental assessment dimension	Excellence in New Energy - Sustainable Supply Chain	28
<b>GRI 401: Employment</b>			
401-1	New Hire Rate and Employee Turnover Rate	Social Key Performance Table	76
401-2	Benefits provided to full-time employees (excluding temporary or part-time employees)	Value Creation - Labor Rights and Welfare	55
401-3	Parental Leave	Value Creation - Labor Rights and Welfare	55-56

Disclosure Item	Disclosure Topics	Corresponding Chapter	Corresponding Page Number
<b>GRI 403: Occupational Health and Safety</b>			
403-1	Occupational Health and Safety Management System	Value Creation - Occupational Health and Safety	62
403-2	Hazard Identification, Risk Assessment, and Accident Investigation	Value Creation - Occupational Health and Safety	63-64
403-3	Occupational Health Services	Value Creation - Occupational Health and Safety	64
403-4	Occupational Health and Safety Affairs: Worker Participation, Consultation, and Communication	Value Creation - Occupational Health and Safety	64
403-5	Occupational Health and Safety Training for Workers	Value Creation - Occupational Health and Safety	64
403-6	Promote worker health	Value Creation - Occupational Health and Safety	64
403-7	Prevent and mitigate occupational health and safety impacts directly related to business relationships	Value Creation - Occupational Health and Safety	63-64
403-8	Workers covered by the occupational health and safety management system	Value Creation - Occupational Health and Safety	62
403-9	Work-related injury	Value Creation - Occupational Health and Safety	65
403-10	Work-related health issues	Value Creation - Occupational Health and Safety	64
<b>GRI 404: Training and Education</b>			
404-1	Average number of training hours per employee per year	Value Creation - Talent Development and Training	61
404-2	Employee Skill Enhancement Program and Transition Assistance Program	Value Creation - Talent Development and Training	59-61
404-3	Percentage of employees who undergo regular performance and career development assessments	Value Creation - Talent Development and Training	61
<b>GRI 405: Diversity and Equal Opportunity</b>			
405-1	Diversity of the Governance Body and Employees	Value Creation - Labor Rights and Welfare	57
<b>GRI 406: Non-discrimination</b>			
406-1	Discrimination Incidents and Corrective Actions Taken	Value Creation - Labor Rights and Welfare	57
<b>GRI 407: Freedom of Association and Collective Bargaining</b>			

Disclosure Item	Disclosure Topics	Corresponding Chapter	Corresponding Page Number
407-1	Operating points and suppliers where freedom of association and the right to collective bargaining may be at risk	Value Creation - Labor Rights and Welfare	53
<b>GRI 408: Child Labor</b>			
408-1	Operating points and suppliers with significant risk of child labor incidents	Value Creation - Labor Rights and Welfare	53
<b>GRI 409: Forced or Compulsory Labour</b>			
409-1	Operating points and suppliers with significant risk of forced or compulsory labor incidents	Value Creation - Labor Rights and Welfare	53
<b>GRI 413: Local Communities</b>			
413-1	Operating sites with local community engagement, impact assessments, and development plans	Value Creation - Community Engagement	66
413-2	Operating points with actual or potential significant adverse impacts on the local community	Value Creation - Community Engagement	66
<b>GRI 414: Supplier Social Assessment</b>			
414-1	New suppliers that were screened using social criteria	Excellence in New Energy - Sustainable Supply Chain	28
<b>GRI 416: Customer Health and Safety</b>			
416-1	Assessment of the health and safety impacts of product and service categories	Excellence in New Energy - Customer Service	21
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	Excellence in New Energy - Customer Service	21
<b>GRI 417: Marketing and Labelling</b>			
417-1	Requirements for product and service information and labeling	Excellence in New Energy - Customer Service	21
417-2	Incidents of non-compliance concerning product and service information and labeling	Excellence in New Energy - Customer Service	21
417-3	Incidents of non-compliance concerning marketing communications	Excellence in New Energy - Customer Service	21

# Appendix IV: Assurance Statement



## ASSURANCE STATEMENT

### REPORT ON SUSTAINABILITY ACTIVITIES IN THE SOLARSPACE TECHNOLOGY CO., LTD.'S ESG REPORT FOR 2025

#### NATURE OF THE ASSURANCE/VERIFICATION

SGS-CSTC Standards Technical Services Co., Ltd. (hereinafter referred to as SGS-CSTC) was commissioned by SolarSpace Technology Co., Ltd. (hereinafter referred to as SolarSpace) to conduct an independent assurance of the ESG Report for 2025 (Chinese version) for the period of January 1, 2025 to December 31, 2025.

#### INTENDED USERS OF THIS ASSURANCE STATEMENT

This Assurance Statement is provided with the intention of informing all SolarSpace's Stakeholders.

#### RESPONSIBILITIES

The sustainability information in the ESG Report for 2025 and its presentation are the responsibility of SolarSpace's ESG governing body and the management. SGS-CSTC has not been involved in the preparation of any of the material included in the ESG Report for 2025.

Our responsibility is to express an opinion on the sustainability performance information within the scope of assurance based upon sufficient and appropriate objective evidence.

SGS-CSTC hereby states that it shall not be held responsible or liable for any direct, indirect, incidental, or consequential damages or losses arising from or in connection with the use of information provided in this report.

#### ASSURANCE STANDARDS, TYPE AND LEVEL OF ASSURANCE

The SGS Group ESG & Sustainability Report Assurance (SRA) protocols used to conduct assurance are based upon internationally recognized assurance standards including the ISAE 3000.

The assurance of this report has been conducted according to the following Assurance Standards:

Assurance Standard	Level of Assurance
ISAE 3000	Limited

#### SCOPE OF ASSURANCE

The scope of the assurance included evaluation of quality, accuracy and reliability of the performance information in the SolarSpace's ESG Report for 2025 and evaluation of adherence to the following reporting criteria:

Reporting Criteria
GRI Standards 2021 (With Reference to)
Appendix C2 Environmental, Social and Governance Reporting Code of Listing Rules published by Hong Kong Exchanges and Clearing Limited (HKEX)

#### ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research, interviews with relevant employees on-site at No. 29, Gaocin Road, Economic and Technological Development Zone, Xuzhou City, Jiangsu Province, P.R. China, including documentation and record review and validation where relevant. This assurance engagement was restricted to the group level of SolarSpace and did not include traceability of all original data from subordinate institutions.

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.



#### LIMITATIONS AND MITIGATION

Data drawn directly from independently audited financial accounts and intensity data calculated based on financial data has not been checked back to source as part of this assurance process.

The greenhouse gas emission related data in the ESG Report for 2025 has been directly adopted from the independent third party verification data and has not been double verified in this audit.

#### STATEMENT OF INDEPENDENCE AND COMPETENCE

The SGS Group of companies is the world leader in inspection, testing and certification, operating in multiple countries and providing services. As an affiliate of SGS Group, SGS-CSTC affirm our independence from SolarSpace, being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment.

#### FINDINGS AND CONCLUSIONS

##### ASSURANCE/VERIFICATION OPINION

On the basis of the methodology described and the assurance engagement performed, no inaccuracies or reliability issues were identified within the scope of the sustainability performance information covered by the SolarSpace's ESG Report for 2025.

##### ADHERENCE TO GRI STANDARDS 2021

The assurance team concludes that the SolarSpace's ESG Report for 2025 has been prepared with reference to the requirements of GRI Standards 2021.

##### ADHERENCE TO APPENDIX C2 ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORTING CODE OF LISTING RULES PUBLISHED BY HKEX

The assurance team concludes that the SolarSpace's ESG Report for 2025 has been prepared in accordance with the requirements of Appendix C2 Environmental, Social and Governance Reporting Code of Listing Rules published by HKEX.

#### Signed:

For and on behalf of SGS-CSTC

David Xin  
Sr. Director – Business Assurance  
16F Century Yuhui Mansion, No. 73, Fucheng Road, Haidian District, Beijing, P.R. China

Apr. 16<sup>th</sup>, 2026  
WWW.SGS.COM



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