



2023

SUSTAINABILITY  
REPORT

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 **SUNTECH**

# 01. ABOUT THIS REPORT

Wuxi Suntech Power Co., Ltd (hereinafter referred to as "Suntech," "Suntech Power" "the Company" or "We") is dedicated to transparently communicating our environmental, social, and governance (ESG) efforts and achievements to all stakeholders through an annual sustainability report, prepared in accordance with international standards.

Release date of first version: March 2019

Release date of previous version: April 2023

Release date of current version: May 2024

## Reporting Standard

This report is prepared with reference to the Sustainability Reporting Standards (GRI STANDARDS 2021) issued by the Global Reporting Initiative (GRI), and also with reference to the United Nations 2030 Sustainable Development Goals (SDGs).

## Scope of Report

The reporting period covered by this report is from January 1, 2023 to December 31, 2023, and some data are beyond the above range due to the continuity and comparability.

## Data Source

The economic performance data in this report is quoted from the Annual Report 2023 of Wuxi Suntech Power Co., Ltd. and the Annual Report 2023 of Fengyang Suntech Power Co., Ltd. and these annual reports were independently audited by Xinyong Zhonghe Accounting Firm (Special General Partnership); unless otherwise stated, the amounts shown herein are all presented in RMB. The non-financial data covered in this report mainly involves Wuxi production base of Wuxi Suntech Power Co., Ltd. and Fengyang production base of Fengyang Suntech Power Co., Ltd. The main body of the report will provide detailed information on the specific scope of the disclosed data.

The abbreviations in the report are defined as follows:

Production base	Address	Abbreviation
Wuxi Suntech Power Co., Ltd. production base	No.16 Xinhua Road, Xinwu District, Wuxi City, Jiangsu Province, China	Wuxi Suntech
Fengyang Suntech Power Co., Ltd. production base	No. 199, Fengxiang Avenue, Fucheng Town, Fengyang County, Chuzhou City, Anhui Province	Fengyang Suntech

## Reporting Commitment

This report is organized and prepared by Wuxi Suntech Power Co., Ltd. and the Company guarantees the authenticity of the information in the report without any false or misleading statements.

## Release channel

This report is published simultaneously in Chinese and English electronic and paper versions. If there are any differences between the Chinese and English versions, Chinese version shall prevail. This report is published on the Company's official website at <http://cn.suntech-power.com>.

## Feedback

We look forward to receiving comments and suggestions from readers after reading this report. Please give feedback according to the following contact information to help us further improve our sustainable development strategy and pursue better sustainable development performance.

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## 02.SPEECH BY SENIOR LEADERSHIP



As a world-renowned manufacturer of high-performance photovoltaic products, Suntech is devoted to the R&D and production of solar cells and modules. The Company's sales network spans over 100 countries and regions in the world, with over 1,500 partners, and the historical cumulative shipments exceeded 50GW. Over the past 23 years since its establishment, Sun-

tech Power has been committed to enhancing the R&D of new cell technology and improving the production process, achieving continuous improvements in conversion efficiency of photovoltaic products. Furthermore, the scale of our industrial chain has consistently ranked among the top ten globally for several consecutive years

We are advancing with the times, and innovating for the future. Suntech Power boasts a top-tier international research team in the global photovoltaic field, characterized by a spirit of innovation and strong teamwork. The Company constantly increases R&D investment in technology and has applied for more than 900 patents. Additionally, it possesses a national photovoltaic product inspection and testing center accredited by CNAS, equipped with more than 100 advanced testing equipment, demonstrating the leading testing capabilities in the photovoltaic industry. With advanced technological strength, the Company actively contributes to the industry association, promoting the progress and development of solar energy technology.

We take quality as the foundation and strive for excellence. Suntech is always committed to the improvement of the conversion efficiency of our products, and constantly strengthens the research and development of new technologies and the improvement of production processes, and also pays high attention to the assurance of product quality. According to the study of The Polish Academy of Sciences, during the entire 18 years of operation, the power generation of two Suntech photovoltaic systems fell only 1.9% and 2.9%, far better than the 25-year warranty of less than 20% attenuation, exceeding customer's initial expectations. In today's market where the focus is mainly on price rather than quality, Suntech Power takes a different approach, standing out in the industry with high quality and reputation!

We foster green development for the benefit of humanity. Suntech Power actively fulfills our social responsibility and roots the concept of sustainability in every aspect of the Company's operation and management. The Company adheres to the low-carbon development model, and continuously promotes high-quality production technology through systematic planning and coordinated management to advance the green and low-carbon development of the industry. Recently, the Company's TOPCon module received France's carbon footprint certification, which is an international community's recognition and affirmation of our efforts in building green factory. In the future, under the guidance of the national "dual-carbon" strategic goal, Suntech Power will continue to play an active role in promoting the development of green energy.

"A journey of a thousand miles begins with a single step". Reaffirming our original commitment remains our firmest choice. We will continue to prioritize our customers, adhere to the lifeline of product quality, and provide customers with high-quality products and services. In the face of the rapidly changing market environment, we always adhere to embrace change, actively promote management reforms, implement full cost control and refined management, and enhance the core competitiveness of enterprises. "Those who share the same desire will triumph, and those who face challenges together will prosper." We firmly believe that with the support and cooperation of our partners and customers around the world, Suntech Power will once again burst with vigor and vitality, and will make great contributions to the development of green energy, the promotion of environmental improvement, and the acceleration of the sustainability of the whole human society.

Chairman of Suntech Power  
Mr. Wu Fei

# 03. YEAR 2023

## 3.1 SUSTAINABILITY PERFORMANCE

From a manufacturer of photovoltaic products to a disseminator of green energy, Suntech Power has been actively fulfilling its social responsibility and integrating the concept of sustainable development into every aspect of the Company's operation and management, which has made a positive contribution on the economy, the environment and society.

### Economic performance

Cumulative shipments exceeded 50 GW

Total turnover of Wuxi Suntech and Fengyang Suntech was RMB 4,714.7852 million

Combined tax revenue of Wuxi Suntech and Fengyang Suntech totaled RMB 37.7951 million

### Environmental Performance

Suntech's Ecological Building generated 373,164 kWh of electricity annually, equivalent to reducing 212.82 tCO<sub>2</sub>.

A total of RMB 18.4175 million was invested in environmental protection.

100% compliance rate for the discharge of "three wastes"

Zero environmental complaint

Zero environmental violation

Zero environmental pollution accident

### Social Performance

A total of RMB 110.2661 million was invested in research and development

A total of RMB 3.7635 million was invested in safety.

A total of 1,900 employees.

100% coverage of additional commercial insurance for employees

100% signing rate of safety target responsibility pledge

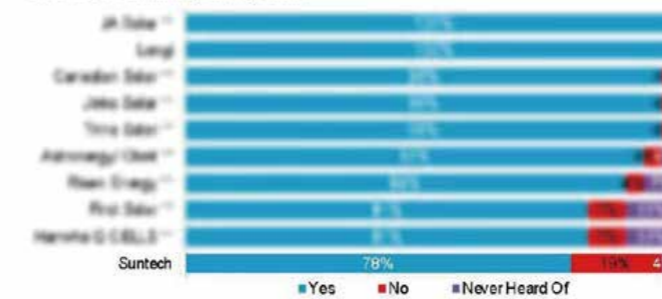
100% annual safety training rate for employees

100% coverage of three-level safety education for new employees upon entering the factory

100% signing rate of supplier code of conduct

## 3.2 KEY AWARDS AND HONORS

Figure 1: Top 10 PV module companies that most respondents considered bankable in BNEF's 2023 bankability survey results



Source: BloombergNEF. Note: \*\* indicates top performers in PV Evolution Labs (PVEL) 2023 PV Scorecard, a technical adviser and module testing laboratory.

Since "SUNTECH" was awarded the title of "China Famous Trademark" in 2009, its photovoltaic module products have been granted the exemption from export inspection by the General Administration of Quality Supervision, Inspection and Quarantine of PRC. "SUNTECH" has become an exemplary brand of "Made in China" in the global PV field, gaining the respect and trust of customers worldwide.

According to 2022 global module production ranking released by Bloomberg New in 2023, Suntech Power was ranked the 8th, and was selected Bloomberg BNEF's Tier 1 PV Module Manufacturers List. Moreover, Suntech was selected as the 9th in "2023 China Top 20 PV Module Enterprises" initiated and held by 365 photovoltaic, the 18th in the "2023 Top 20 Chinese PV Enterprises (Comprehensive Category)", and the 20th in the "2023 Global Top 20 PV Enterprises (Comprehensive Category)". According to the global shipments list of crystalline silicon photovoltaic companies released by Solarbe in 2023 was ranked the 10th.

In December 2023, the global renowned research institution Bloomberg NEF (BNEF) released the Solar Module & Inverter Bankability 2023, Suntech Power, with its solid financial status, reliable product quality and good corporate goodwill, was ranked among the top 10 module brands with the highest bankability in 2023.

The recognition and encouragement of Suntech's products and services by industry authorities is the driving force for Suntech to keep moving forward. Suntech will persist in adhering to the green and low-carbon development philosophy, and dedicate itself to the research and development and innovation of photovoltaic module products with unchanging beginnings, so as to provide safer, more economical and more efficient products and solutions for global users.



In August 2023, Suntech Power participated in the Eco-Vadis assessment program and was awarded the Eco-Vadis Bronze Medal.



In 2023, Suntech Power was awarded the "Top Brand PV in 2023" honorary title by EUPD Research in Australia, Czech Republic, Portugal, Italy, the Middle East and North Africa respectively.



In February 2023, Suntech Power was honored with the "Leading China's Renewable Energy 'Photovoltaic Top 100' 2022" in Excellent Photovoltaic Cell/Module Enterprise by virtue of its outstanding performance in China (Jiangsu) International Conference on Innovative Development of New Photovoltaics.



In March 2023, Suntech Power was honored with two prestigious technical awards of "Outstanding Technology Brand Award" and "Ultra V Pro Series High Power Modules" at the 2023 5th Golden Leopard Award.



In February 2023, Suntech Power participated in the "Luminous Energy Cup" New Year Sharing Meeting and the 10th PV Industry Awards Ceremony in 2022 organized by Solarbe and was honored to receive the award of the "Most Influential Photovoltaic Module Enterprise in 2022", recognizing its strong innovation, excellent quality and service, and outstanding brand influence.



In May 2023, Suntech Power's new high-efficiency, lightweight TOPCon double-glass module was honored with the "Gigawatt Gold Award" at SNEC 16th (2023) International Photovoltaic Power Generation and Smart Energy Conference & Exhibition. SNEC is one of the world's largest PV exhibitions, jointly organized by photovoltaic power industry associations from various countries.



In May 2023, Suntech Power participated in the 6th "APVIA Asian Photovoltaic Award" of the Asian Photovoltaic Industry Association (APVIA). Recognized for Suntech Power's exceptional market competitiveness and technological innovation in the field of photovoltaics, Suntech Power proudly received two prestigious awards of "Industry Contribution Award" and "Scientific and Technological Achievement Award".





In November 2023, Suntech Power participated in the selection of the "Top 10 Distributed Photovoltaic Module Brands in China in 2023" organized by the Committee of the Chinese Renewable Energy Conference & Exhibition, and won the award relying on its outstanding market reputation in the field of distributed photovoltaics at home and abroad in recent years.



In September 2023, Suntech Power participated in the "2023 SMM Photovoltaic Industry Conference" held by SMM, a leading portal for Chinese high-tech industry. With excellent product performance and quality, the Company was honored with the "Radiance Cup - Excellent Supplier of PV Module" awarded by SMM.

In November 2023, Suntech Power distinguished itself among many new energy enterprises nationwide at 15th Chinese Renewable Energy Conference. With its exceptional scientific and technological reserves and outstanding market strategic planning, the Company was honored with Gold Medal of inaugural "Taihu Lake Green Excellence Award".



In September 2023, Suntech Power participated in the 12th "BJX Cup" Photovoltaic Influential Brand Award Ceremony hosted by ENERGY.BJX.COM.CN and PV.BJX.COM.CN. With outstanding manufacturing strength and renowned global brand reputation, the Company stood out among many participating enterprises and won the "2023 Photovoltaic Influential Brand" award.

### 3.3 RELEVANT CERTIFICATIONS OBTAINED

Suntech Power has established advanced management systems and methods and successively obtained certifications for ISO9001 quality system, ISO14001 environmental management system, ISO45001 occupational health and safety management system, etc., enhancing the Company's overall management standards. With proven technique, extensive expertise and robust management measures, Suntech Power excels in the design, manufacturing, construction, and maintenance of large-scale solar photovoltaic grid-connected and independent power generation systems.

Certification entity	Abbreviation of Standards	Standard name	Certification authority
Wuxi Suntech	ISO 9001:2015	Quality management systems - Requirements	SGS
	ISO 14001:2015	Environmental management systems - Requirements with guidance for use	SGS
	ISO 45001:2018	Occupational health and safety management system - Specification	SGS
	ISO 50001:2018	Energy management systems	China Quality Certification Center
	GB/T 29490:2013	Intellectual property management system	Kiwa BCC
	SA8000:2014	Social accountability - Standard	SGS
	IEC 62941:2019	Terrestrial photovoltaic (PV) modules - Guideline for increased confidence in PV module design qualification and type approval	TUV NORD
Fengyang Suntech	ISO 9001:2015	Quality management systems - Requirements	SGS
	ISO 14001:2015	Environmental management systems - Requirements with guidance for use	SGS
	ISO 45001:2018	Occupational health and safety management system - Specification	SGS

# 04. ABOUT SUNTECH

## 4.1 COMPANY PROFILE

Founded in 2001, Suntech Power is a globally renowned manufacturer of high-performance photovoltaic products, focusing on the research and production of solar cells and modules. With a presence in over 100 countries and regions worldwide, the Company has over 1,500 partners, and a cumulative shipments volume exceeding 50GW. Suntech Power is always committed to improving product conversion efficiency, constantly strengthening the R&D of new technologies and the improvement of production processes. Leveraging exceptional technological advantages and manufacturing standards, the Company wholeheartedly provides customers with high-quality and reliable photovoltaic modules, earning its reputation as the most trusted solar enterprise by customers.

In October 2023, the cell factory at Suntech Power's Wuxi production base ceased production due to a strategic business adjustment, and all cell production operations were transferred to suppliers. In April 2023, the Phase I of Fengyang Suntech production base, invested and constructed by Suntech Power, was officially put into production, with a total investment of RMB 10 billion, covering an area of about 500 acres. The Phase I was invested in at a cost of RMB 3.64 billion, with a total construction area of about 300,000 square meters. The project includes multiple high-standard new-generation intelligent module production workshops and logistics and warehousing bases. The Phase II of the project is expected to be completed in 2025, and will become Suntech Power's largest production base globally, providing about 3,600 employment opportunities, and achieving an annual output of 10GW.

**Suntech's business footprint covers more than 100 countries around the world, with more than 1500 industry-leading partners.**



Suntech Wuxi base



Suntech Fengyang base

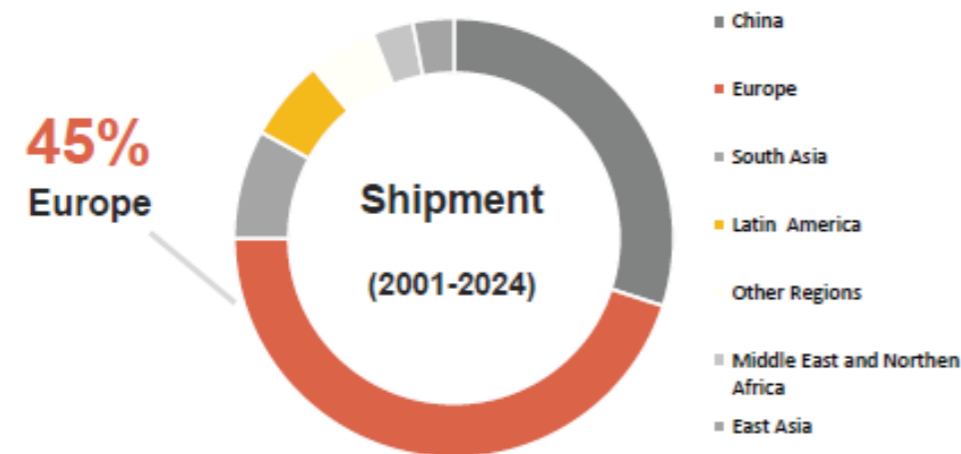


Suntech Changzhou base



## Business footprint around the globe

Leveraging the strong brand influence of Suntech Power abroad, the Company's export scale has shown annual growth. By the end of 2023, its cumulative shipments volume had surpassed 50GW. Suntech Power remains steadfast in its commitment to using the cleanest and most abundant solar resources to illuminate every corner of the world, staying true to its core mission.



## Diversified product categories

In recent years, Suntech Power has continuously driven industry innovation and development with its leading product technology. The Company's module product line is extensive, comprising three main series: Ultra S, Ultra V, and Ultra X, utilizing 166mm, 182mm, and 210mm cell sizes respectively. The new Ultra V Pro series, representing a significant upgrade, incorporates N-type 182mm silicon wafers alongside the more efficient TOPCon technology, replace the original PERC (Passivated Emitter and Rear Cell) technology, and its power generation efficiency can reach over 24.5%, meeting diversified needs. Suntech Power modules use current classification technology, which effectively reduces the loss of up to 2% due to mismatch, maximizing system output power. Through improved cell technology and selected packaging materials, Suntech Power modules have good Potential Induced Degradation (PID) resistance, and its out-

standing cell technology and leading manufacturing technology render high conversion efficiency of modules. In May 2023, Suntech Power launched the new high-efficiency lightweight TOPCon double-glass module designed for rooftop photovoltaic application. Later in the same year, in November, at the 15th Chinese Renewable Energy Conference, H66/Nsh+ rectangular silicon wafer module made its official debut, further enhancing the array of high-efficiency N-type photovoltaic modules.

## Excellent supply and service system

Suntech Power has established a perfect supply chain management system, boasting rich supply chain resources to effectively guarantee the security of supply. With hundreds of material boasting suppliers, the Company primarily sources materials from leading production-oriented enterprises in the industry. Additionally, strategic partnerships with key suppliers are in place to further guarantee supply. The Company's downstream entities primarily fall into two types: large-scale ground-based power station, mainly for the owners of large power companies around the world, or, their project general contractors, and distribution businesses with well-established dealer networks in multiple countries worldwide.

Faced with the increasingly fierce market competition, Suntech Power embraces changes, actively boosts management reform. Through the implementation of comprehensive cost control and refined management practices, the Company strengthens its core competitiveness. In addition, Suntech Power improves its global footprint and establishing localized sales and service systems following the market concept of "Globalization & Localization".



## 4.2 OPERATING DATA

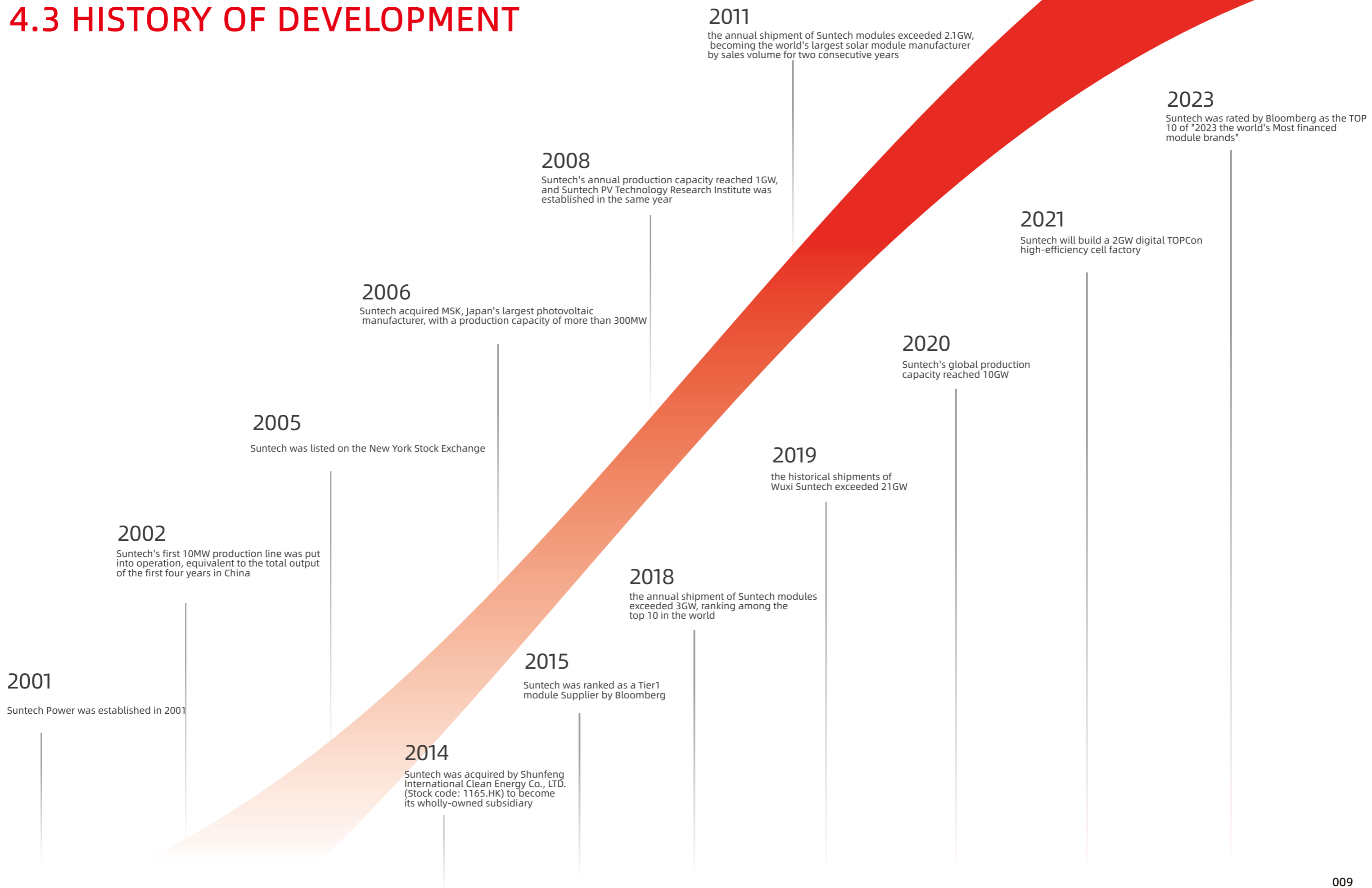
During the reporting period, Wuxi Suntech achieved a revenue of RMB 3,604,365,600 and paid tax amounting to RMB 36,728,100. Fengyang Suntech realized a turnover of RMB 1,110,419,600 and paid tax amounting to RMB 1,067,000.

Company	Item	Y2023
Wuxi Suntech	Turnover (RMB 10,000)	360,436.56
	Tax paid (RMB 10,000)	3,672.81
	Research and development investment (RMB 10,000)	10,994.52
	Employee benefits expenses (RMB 10,000)	1,005.93
Fengyang Suntech	Turnover (RMB 10,000)	111,041.96
	Tax paid (RMB 10,000)	106.70
	Research and development investment (RMB 10,000)	32.09
	Employee benefits expenses (RMB 10,000)	297.02

## Tax administration

Suntech Power conducts its daily business operations in full compliance with relevant tax regulations and national tax policies. The Company integrates tax risk management into its operations, with the Finance Department responsible for issuing tax risk alerts. Monthly self-assessments of tax risks are conducted regularly, with risk control measures implemented as necessary. To ensure robust tax management, the Company engages an accounting firm annually to perform tax audits.

## 4.3 HISTORY OF DEVELOPMENT



# 05 RESPONSIBILITY GOVERNANCE- COMPLIANCE OPERATION

The United Nations Sustainable Development Goals (SDGs) addressed in this chapter	 
Main actions	Implemented comprehensive policies and systems for integrity management, fostering a culture of integrity through dedicated training and education programs; Strengthened internal control management and actively engage in communication and collaboration with various stakeholders.

## 5.1 CORPORATE CULTURE

### Suntech Mission

Solar powering a green future for the benefit of Earth

### Suntech Vision

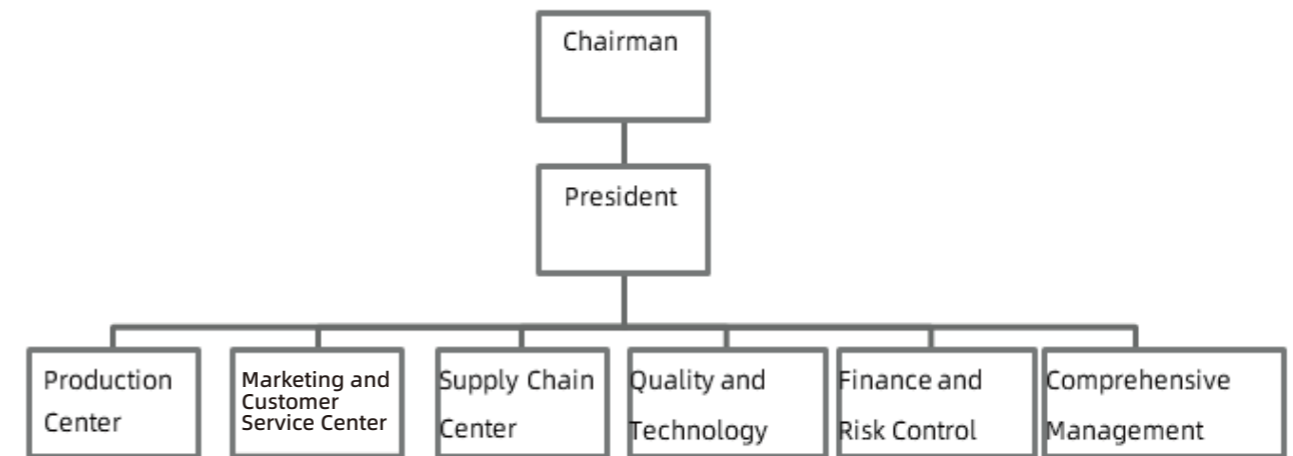
To accelerate the global adoption of solar energy

### Suntech Core Values

Win-win cooperation and responsibility

## 5.2 ORGANIZATION STRUCTURE

The Company has established a Board of Directors, which consists of 5 directors and a chairman, all of whom are appointed by shareholders. The Chairman of the Board of Directors, who also acts as the Company's legal representative, is responsible for external representation and signing various corporate documents. The Board meeting shall be convened at least once a year, and a special board meeting can be convened upon written proposal by at least one-third of the directors to the Chairman. The Company appoints one supervisor designated by shareholders, with directors, the president, and other senior management barred from holding concurrent positions as supervisors. The president and vice president are employed or dismissed by the Board of Directors, and are responsible for executing the decisions of the Board of Directors, as well as organizing and leading the daily operation and management of the Company.



Company Organization Chart



### 5.3 SUSTAINABLE DEVELOPMENT MANAGEMENT

Suntech Power is committed to contributing to society and promoting sustainable human development as its main objectives. Aligned with its mission of "solar powering a green future", the Company focuses on developing green energy, promoting environmental improvement, complying with regulatory operational requirements, and catalyzing sustainability across society. Additionally, the Company actively participates in industry organization activities, promoting global green energy development and transformation.

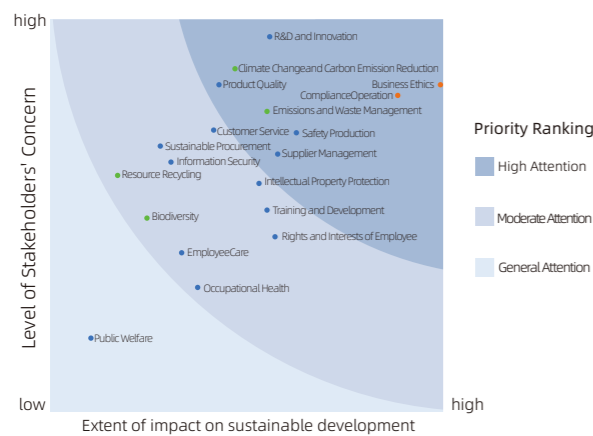
#### Stakeholder participation

The company has established several committees to oversee different aspects of sustainable development, including the EHS Committee, Energy Management Team, Environmental Management Team, Carbon Footprint Management Team, and Social Responsibility Performance Team. These committees are tasked with engaging various stakeholders and implementing sustainable development initiatives, aiming to continuously enhance the Company's sustainability performance. The stakeholders of Suntech Power's sustainable development include shareholders, customers, employees, suppliers and other partners, government, community and non-governmental organizations.

The company places great importance on meeting stakeholder expectations, assigning different business departments the responsibility of communicating and engaging with various stakeholders. Continuous enhancement of communication mechanisms and diversification of communication channels are prioritized to safeguard mutual long-term interests and sustainable development capabilities. By assessing the influence and level of interdependence with stakeholders, the Company identifies key stakeholders, strengthens communication with key stakeholders, and maximizes the sustainable development role of the Company in economy, society and environment.

Key stakeholders	Primary concern	Communication channels	Docking department
Shareholders	Sustainable profitability Corporate governance Disclosure	Board meeting Quarterly statements Annual Returns Daily communication	Chairman's Office, Risk Control Legal Department, Finance Department, Marketing Department
Client	Quality products and services Supply chain Assurance Carbon reduction	Satisfaction survey Customer return visits High-level visits and meetings Daily communication	Chairman's Office, Customer Service Department, Group Quality Department, Supply Chain Center, EHS Department
Staff	Protection of legal rights Compensation and welfare protection Health and safety Career development	Signing an employment contract Rationalization proposal Staff congress Service hotline Manager's mailbox Performance interview	Chairman's office, Human Resources Department, Administration Department
Suppliers and other partners	Sunshine Sourcing Good Faith performance Win-win cooperation Enhance capacity	Sign agreements, contracts Technology sharing, training Communication sessions Regular visits On-site audits High-level visits	Supply chain center, Group Quality Department
Government	Promote local economic development Pay taxes according to law Promoting employment Operating legally Safe production Energy conservation and emission reduction	Government official website policy access Receive government documents Environmental protection, production safety, fire protection, employment, tax and other regulatory compliance inspections Participate in regulatory seminars or symposiums	Chairman's Office, Marketing Department, EHS Department, Human Resources Department, Administration Department
Community, NGO	Protecting the environment Support community development	Community involvement The Heart Foundation Promoting environmental education Public welfare activities Organize visits to the company's low-carbon concept Pavilion and enterprise Pavilion	Hr Department, Administration Department, Marketing Department, EHS Department

## Substantive issue analysis



Annually, the Company conducts a comprehensive review of key areas in sustainable management, comparing them to previous years to accurately define the direction of sustainable development and efficiently allocate resources. This review forms the basis for crafting the annual sustainable development plan.

At the same time, the Company will disclose relevant information through the Sustainable Development Report to respond to the concerns of stakeholders on the current situation and performance of the Company's sustainable management.

In the process of determining the substantive issues for this report, we summarized and analyzed the concerns and requirements raised by stakeholders across various departments, and determined the list of substantive issues by combining the industry background, the expertise of external cooperation agencies and the Company's business. Ultimately, we selected 21 issues that have the greatest impact on the achievement of Suntech Power's sustainable development goals. From the aspects of "stakeholder concern level" and "impact on sustainable development", we conducted a thorough impact analysis of the topics, assigning scores to prioritize them effectively, which led to the creation of a substantive topic matrix, categorizing the topics into high, moderate and general attention. According to the characteristics and development trend of the industry, the substantive issues have been partially adjusted compared with those of 2022, the issue of "carbon emission reduction" was changed to "climate change and carbon emission reduction", and the issue of "pollutant management" was changed to "Emission and Waste Management". Moreover, the topic "biodiversity" was introduced as a new addition to the matrix.

Environmental topics	Social topics			Governance topics
● Climate Change and Carbon Emission Reduction	● R&D and Innovation	● Sustainable Procurement	● Rights and Interests of Employee	● Business Ethics
● Product Carbon Footprint	● Intellectual Property Protection	● Salary and Welfare	● Employee Care	● Information Security
● Emissions and Waste Management	● Product Quality	● Training and Development	● Occupational Health	● Compliance Operation
● Resource Recycling	● Customer Service			
● Biodiversity	● Supplier Management		● Public Welfare	

## 5.4 COMPLIANCE OPERATION

Suntech Power strictly abides by various laws and regulations of the People's Republic of China and other areas where its business operates, such as the Anti-Unfair Competition Law of the People's Republic of China, Interim Provisions on Banning Commercial Bribery, Anti-Money Laundering Law of the People's Republic of China, including laws and regulations on preventing bribery, extortion, fraud, money laundering and unfair competition. During the reporting period, the Company did not engage in any legal proceedings against unfair competition behavior and antitrust practices.

The Company maintains a "zero tolerance" attitude towards all forms of corruption and bribery, always adheres to honest business practices, resolutely abides by anti-corruption and anti-bribery laws and regulations, and puts an end to violations of honest business practices and damage to the interests of the Company. In alignment with standards of integrity-related regulations, the Company has formulated policies and systems related to integrity management, revised the Whistleblower Management System, and included these requirements in the content of employee induction training. Furthermore, Wuxi Suntech Power has implemented the Employee Integrity Code of Conduct, which is signed by employees upon joining the Company.

The Company has established a sound anti-fraud mechanism, determines the key areas, key links and main contents related to anti-fraud efforts, and pays reasonable attention to

and examines possible fraud in the process of internal auditing. In 2023, the Company optimized the Internal Audit Management System, and the Internal Control and Audit Department conducted internal audits of the Group and its branches and subsidiaries (including but not limited to, sales, purchases, operating conditions and projects), as well as off-office auditing of key personnel. In response to the problems and suggestions found during the auditing process of each project, the Internal Control and Audit Department will communicate with the Company's management and relevant departments, overseeing the implementation of corrective measures.

The Company has set up anti-corruption reporting channels, and informers can report corruption and bribery incidents through public reporting hotlines and e-mails. The company encourages all employees to report any suspected incidents orally or in writing, and this invitation extends to business partners and third parties as well. The company is committed to protecting the privacy of the whistleblower to avoid any form of retaliation against the whistleblower. Upon receiving a report, the Internal Control and Audit Department will conduct a preliminary assessment to determine the type and scope of the investigation needed, and then carry out specific investigations. When necessary, they may collaborate with other relevant departments such as Legal Department and Human Resources Department to form a specialized investigation team. After conducting a thorough investigation, the Internal Control and Audit Department will evaluate remedial measures and report the results internally and, if required, to external third parties in a timely manner. Throughout the year 2023, the Company did not receive any reports related to corruption.

The report hotline is +86-510-8531-8706  
To tip someone: [lianjie@suntech-power.com](mailto:lianjie@suntech-power.com)

The Company carries out honest culture construction, training, and education, strengthens publicity and supervision through WeCom and online learning platforms on a daily basis, and reinforce anti-corruption requirements. New employees must receive integrity training, anti-corruption related system training, and whistleblower mechanism training upon onboarding.

## 5.5 INTERNAL CONTROL MANAGEMENT

In order to strengthen corporate internal control management, reduce operational risks, safeguard the integrity and security of corporate assets, and ensure the orderly and efficient operation of production and business activities, Suntech has established an internal control and audit department to continuously optimize the Company's internal control management system, assist in refining system and process optimization, and shift from passive process modification to proactive process optimization. In 2023, the Internal Control and Audit Department organized the optimization of the business travel process, reducing the repetitive approvals in the travel planning, travel report, and travel expense reimbursement processes, thereby improving work efficiency. They also developed and released an Authorization Approval Form to update the Company's authorization approval system, prevent risks arising from approval authority loss, and enhance the Company's institutionalized management level. In accordance with the requirements of the internal control management system, the Internal Control and Audit Department supervise and inspect the implementation of key control points' internal controls; assess and audit the Company's risk management system, and strengthen compliance guidance for the Company.

Over the years, the Company has been committed to systematizing business management, using system technology tools to improve management efficiency and promote compliance supervision. In 2023, the focus was on empowering sales business. The Company revised the approval process of domestic and international sales contracts, adapted the SAP system to automatically output monitoring information on approval efficiency, thereby achieve improvements.



## 5.6 INFORMATION SECURITY

Suntech Power strictly complies with the requirements of information security laws such as the Cybersecurity Law of the People's Republic of China, the Data Security Law of the People's Republic of China, and the Personal Information Protection Law. The Company has also formulated relevant systems including the IT Information Security Management Strategy, IT Application System Disaster Recovery Management Specification, IT Information Security Management Specification, and Computer Virus Daily Protection Specification to continuously improve the institutionalization and standardization of information system security management. According to the Company's strategic development plan, the IT Department formulates information objectives to facilitate the stable operation of IT infrastructure services, and assists the Company to achieve business innovation and development through information means.

The Company has implemented several measures to enhance cybersecurity. These include setting up firewalls and anti-virus systems at the network gateway, utilizing a web application firewall (WAF) for Internet access to prevent network attacks, installing network version anti-virus clients on all user terminals under unified platform control, managing computer access through domain control systems, and filtering email information through an anti-spam email gateway. The Company's wireless network authorization system realizes the separation of wireless network intranet and visitor network. Employees use AD domain account and password to log in after authorization, while visitors are authorized to use it for a limited period of time after scanning the QR code by the Company's receptionist. Additionally, the system limits the number of devices authorized users can connect to, preventing misuse. This setup covers both the Wuxi Suntech and Fengyang Suntech bases. Fengyang Suntech base continuously improves the security control technology

means. This includes physically separating production and office networks, introducing a platform for controlling user Internet access, and implementing WeCom as the Company's unified communication platform to prevent information security vulnerabilities in instant messaging platforms.

The company's IT department conducts disaster recovery drills every year, organizes information security training for key positions, provides information security publicity on various topics such as information security knowledge, network security protection, etc., to guide employees to actively practice the information security management system, and strengthen employees' awareness of the necessity of information security management. As a result, the Company did not encounter any information security incidents in 2023.

# 06. PURSUE EXCELLENCE THROUGH CONSTANT INNOVATION

The United Nations Sustainable Development Goals (SDGs) addressed in this chapter	   
Main actions	Enhance R&D of new technologies and improvement of production processes; promote industry-university-research cooperation; boost cutting-edge scientific and technological exchanges in the photovoltaic industry; establish a global after-sales service mechanism.

## 6.1 R&D INNOVATION

Innovation is an important driving force for Suntech's high-quality development. Since its establishment in 2001, Suntech Power has maintained a steadfast focus on product and service innovation, embracing innovation and change while staying true to our original mission of research and innovation in photovoltaic module products, so as to provide safer and more economical products and solutions for users around the world. The Company integrates the concept of innovation into its daily operation and management, continuously increases investment in R&D, builds a high-quality R&D team, and promotes cooperation between industry, university, and research in order to promote the common development of the industry.

## PRODUCT INNOVATION

In May 2023, Suntech Power launched the new high-efficiency lightweight TOPCon double-glass module designed for rooftop photovoltaic application. Later in the same year, in November, at the 15th Chinese Renewable Energy Conference, H66/N-sh+ rectangular silicon wafer module made its official debut, further enhancing the array of high-efficiency N-type photovoltaic modules. Through continuous technological research and innovation, Suntech Power has surpassed its own performance benchmarks in various aspects of product performance functionality. It is expected that by 2024, the N-type TOPCon cells will achieve a maximum production efficiency of 26.5%.

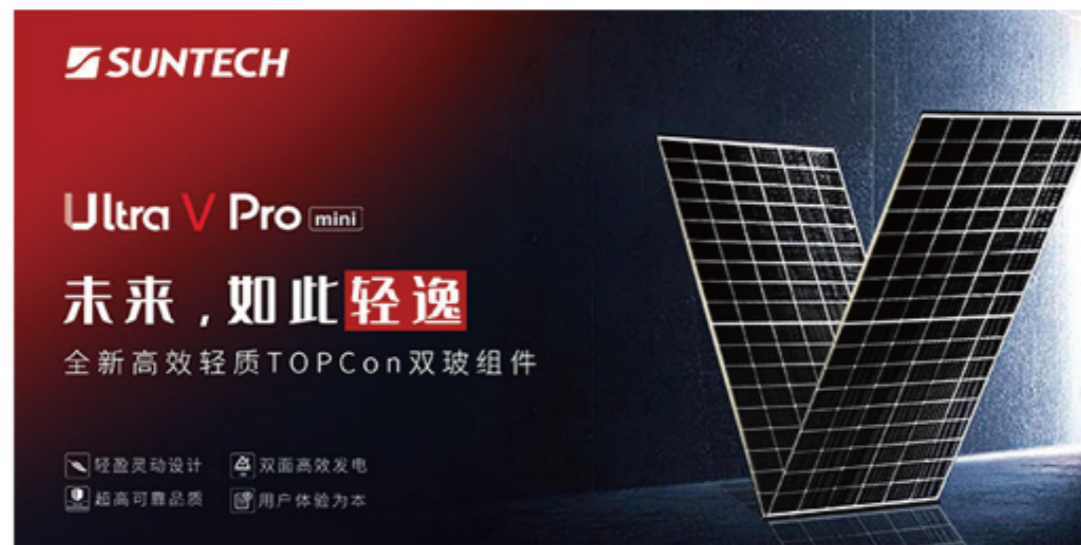
Suntech Power Product Development Milestones	
2014	Mass production of three-grid conventional polycrystalline cells and modules
2015	Mass production of anti-PID conventional polycrystalline cells and modules
2016	Mass production of four-grid conventional polycrystalline cells Mass production of conventional polycrystalline 1,500V modules
2017	Mass production of five-grid polycrystalline cells Mass production of double glass modules
2018	Mass production of polycrystalline PERC cell, with the efficiency of 20.1% Mass production of polycrystalline PERC half-cell module
2019	Mass production of 158.75 PERC half-cell MBB modules, with the power of 60 modules reaching 375W
2020	Mass production of 166 half-cell module
2021	Mass production of 182 monocrystalline PERC half-cell module, with a module power of 555W
2022	Mass production of N-type TOPCon cells, with an efficiency reaching 24.5% Mass production of TOPCon modules, with a power reaching 580 W
2023	Large-scale production of 182 TOPCon modules, with 72 models reaching 590W in power. Mass production of 210 monocrystalline PERC half-cell modules, with 66 models reaching 680W in power.

## [Case] New high-efficiency lightweight TOPCon double-glass modules

On May 24, 2023, Suntech Power officially released the new high-efficiency lightweight TOPCon double-glass modules. The new product is based on N-type TOPCon technology and is constructed using 54 pieces of 182mm monocrystalline silicon wafers, making it a highly efficient double-glass module. Compared to other glass PV modules of the same size in the market, it is about 20% lighter. Lighter weight brings higher efficiency. Its module efficiency is as high as 22.5%, with a power of up to 440W and a power per unit area of up to 266W/m<sup>2</sup>, which reduces the load-bearing requirements for roofs, making it suitable for a wider range of rooftop applications.

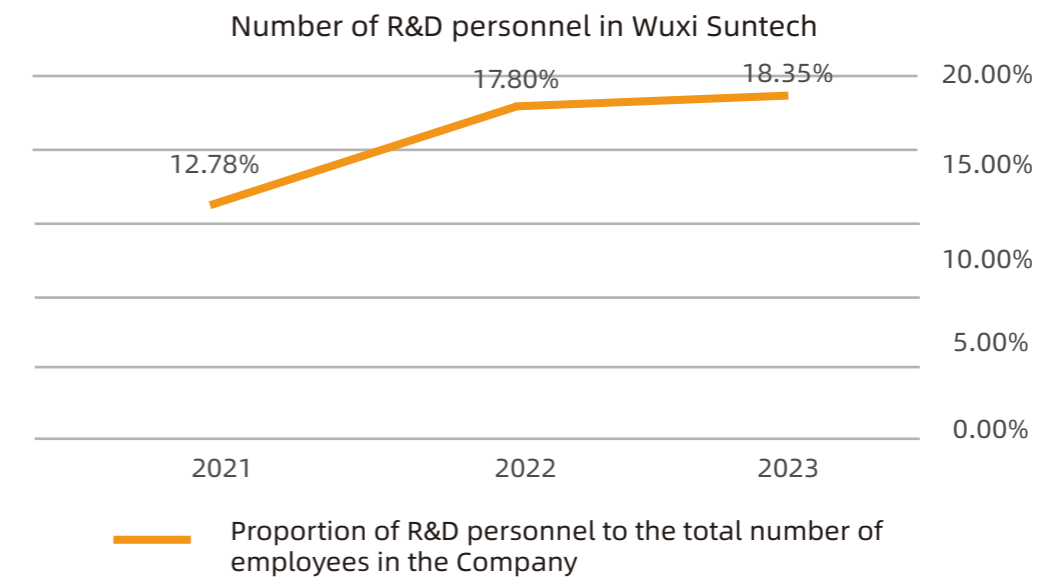
The new high-efficiency and lightweight TOPCon double-glass module has the advantages of resistance to hidden cracks, acid and alkali, salt spray, water vapor, UV (ultraviolet) and PID (Potential Impact Induced Decay). While realizing zero water penetration and no snow accumulation, the strong load-bearing resistance and reliable quality enable the module to maintain strong stability even in deserts, farms and near the coast, capable of withstanding negative pressure of up to 3,800 Pa and positive pressure of up to 6,000 Pa.

In terms of attenuation and warranty, Suntech Power offers a 30-year linear power warranty for its new products, ensuring continuous and stable power generation for the modules. According to the latest research of the Polish Academy of Sciences, two rooftop photovoltaic systems supplied by Suntech Power in a small town in southwestern Germany experienced only a 1.9% and 2.9% decrease in electricity generation over the entire 16-year operational period, significantly better than the promised 25-year attenuation of less than 20%. The new high-efficiency and lightweight TOPCon double-glass modules signify that Suntech Power has once again become a promoter of technological innovation and industrial upgrading, marking the official entry of rooftop photovoltaics into the era of double glass!



## R&D MANAGEMENT

Suntech Power has an internationalized first-class research team composed of high-end R&D personnel in the field of global photovoltaic, characterized by a strong spirit of innovation and teamwork. In the competitive market environment, Suntech upholds quality, actively pursues innovation, and collaborates with the industry for mutual progress and development. Continuously enhancing R&D efforts in new technologies and improving production processes, Suntech Power has raised product conversion efficiency. Internally, the Company advocates a culture of "continuous innovation" and has established regulations such as the Technology Project Incentive System, Technology Achievement Incentive System, and Gold-idea Proposal Implementation Measures. In order to establish an evaluation mechanism and incentive mechanism that is conducive to innovation, the Company encourages employees to innovate in their positions, actively contribute "gold-ideas", and link their performance to their income, which stimulates the enthusiasm of employees to innovate. Wuxi Suntech annually invests more than 3% of its annual income from main business operations into technology research and development, continuously improving photoelectric conversion efficiency, developing and improving photovoltaic cell materials.

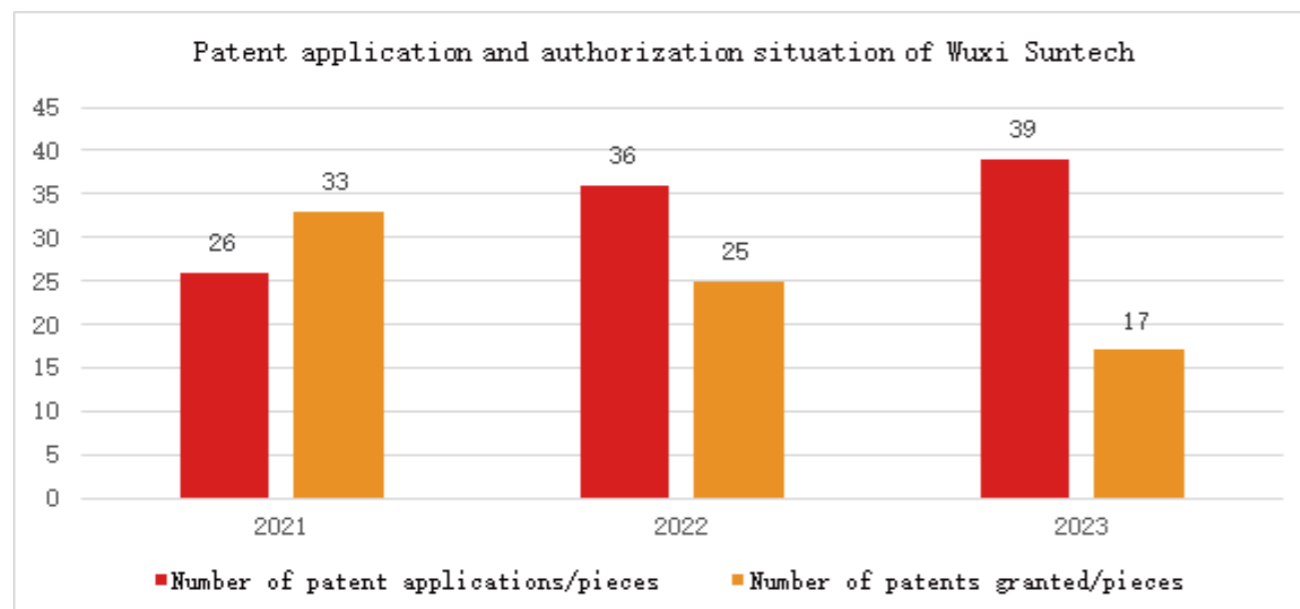




The Company has innovative platforms such as Jiangsu (Suntech) Institute for Photovoltaic Technology, National Postdoctoral Program and Jiangsu Postgraduate Program, and has established a R&D team that has mastered advanced photovoltaic technology. Among them, National Postdoctoral Program was awarded the title of "Jiangsu Model Postdoctoral Program" in 2021 and Postgraduate Program was awarded the title of "Jiangsu Excellent Postgraduate Program" in 2017.

## INTELLECTUAL PROPERTY MANAGEMENT

Intellectual property is one of the core elements of market competitiveness. Enterprises are the main body of independent innovation, and are also the main body of intellectual property creation, application, management and protection. Suntech Power, as a well-known photovoltaic product manufacturing enterprise, attaches great importance to the role of intellectual property rights in enterprise management, and has set up full-time management institutions and full-time managers to establish and improve the intellectual property management system. The Company has formulated the intellectual property management policy of "pursuing continuous innovation, empowering photovoltaic power generation with intellectual property rights, safeguarding Suntech's first-class photovoltaic brand", and constantly enhancing the independent innovation capability of the Company with practical actions to facilitate enterprise development.



## [Key Performance]

By the end of 2023,

Wuxi Suntech has accumulated 1,008 patent applications, including 6 new PCT international patent applications.

Cumulatively obtained 638 authorized patents

Cumulatively valid 288 authorized patents

Many patents have won honorary titles such as China Patent Excellence Award, Jiangsu Patent Gold Award and Wuxi Patent Gold Award

## Systematic management

Wuxi Suntech has passed the GB/T 29490-2013 Intellectual Property Management System Certification, realizing systematic management of intellectual property activities in R&D, procurement, production and sales. The Company's R&D department has formulated and implemented the Intellectual Property Manual, which makes detailed requirements in terms of management policy, system requirements, resource management, operation control, contract management, inspection, analysis and improvement, etc. The Company has formulated the Intellectual Property Rights Acquisition Control Procedures and Patent Management Provisions and other regulations, which include the promotion of accumulation of intellectual property rights assets, strengthening of patent risk management and control and the rewarding of patent innovations.

## Infringement risk management

Infringement risk includes infringement and being infringed. The Company adopts the intellectual property risk analysis and early warning mechanism to prevent and respond to intellectual property disputes. In addition, the Company requires the Legal Department to collaborate with the Research Institute for strengthening the identification, evaluation, and prevention of intellectual property risks, and requires all relevant departments to take effort to assist in the collection of intellectual property risk information, preventing the risk of infringement and being infringed by the enterprise.



## Intellectual property training

The Company values the cultivation of intellectual property protection awareness, and provides relevant long-term training for employees to enhance their awareness of intellectual property protection and creation. In 2023, the R&D department conducted 4 thematic trainings for employees in technology R&D positions, covering patent basics, conditions for patent authorization, how to apply for a patent, the Company's patent management system, how to write handover materials, etc., totaling 74 participants.

## 6.2 QUALITY MANAGEMENT

Quality is the core competitiveness of Suntech Power. The Company consistently uses reliable materials and advanced technology to produce high-quality solar modules. With a customer-centric approach, Suntech Power is committed to continuous innovation and ongoing improvements to enhance product quality and customer satisfaction, and practices its responsibilities to employees, customers, shareholders, suppliers and partners, and the society, so as to realize the sustainable operation of the enterprise.

Starting from the fourth quarter of 2023, to address the need for coordinated management across multiple bases and various quality initiatives, the Company has set up the Group Quality Department in order for the purpose of improving the systematic and professional management of supplier quality, quality system management, and improvement of quality management at bases. The establishment of the Group Quality Department is conducive to the sharing and learning of quality management experience within

factories, ensures uniform execution of standards, and empowers supplier quality management efforts. In 2023, the Company optimized relevant quality indicators such as quality rate, defect rate, and customer satisfaction, hereby comprehensively improving its quality management.

The Company places great emphasis on promoting a quality culture. Through training sessions covering various aspects of quality management, it fosters an environment where all employees prioritize quality. In 2023, the quality training topics include application of quality tools, five core tools of quality management system, 8D problem-solving and analysis method, etc.

Quality Training Topics	Training Positions
Application of Quality Tools - QC Seven Tools	All team leaders
Five Core Tools of Quality Management System	Quality Engineers, Supervisors, and technicians responsible for innovative projects
Continuous Enhancement of Quality Awareness and Work Skills and Methods	All quality employees, new employees
8D Problem-solving and Analysis Method	All team leaders and interested employees

## PRODUCT LIFECYCLE MANAGEMENT

Wuxi Suntech and Fengyang Suntech have established quality management systems and obtained ISO 9001 certification. They have formulated and implemented procedures such as Module Product Design and Development Control Procedure, Product Lifecycle Control Procedure, Module Process Inspection Operation Instruction, Engineering Change Control Procedure, and Non-conforming Product Control Procedure, to ensure full-process quality control from product planning to production delivery.

The Company carries out work in product design and development, raw material procurement, process management, packaging and storage, and recycling and disposal in strict accordance with laws, regulations, and requirements of relevant parties. By focusing on the safety, health, and environmental performance of both the production process and the products themselves, the Company effectively implements comprehensive product lifecycle management.

## PRODUCT TESTING

Suntech Power has a CNAS-certified national photovoltaic product inspection and testing center, with an outdoor experimental site area of about 3,000 square meters, and indoor testing laboratory area of about 3,200 square meters. It's equipped with four functional laboratories including performance testing, safety testing, environmental testing, and materials testing.

The laboratory has a variety of cutting-edge testing equipment such as pulse and

steady state solar simulators, multiple walk-in environmental test chambers, UV humidity and heat aging chambers, static/dynamic mechanical loads, hail testers, electroluminescence (EL) and high-precision infrared cameras, etc., which are capable of detecting and evaluating all quality and performance indicators of photovoltaic modules. Additionally, the laboratory has a number of high-precision testing instruments such as Fourier infrared (FTIR) spectrometers, differential scanning calorimeters (DSC), vulcanizers and water permeability testers, allowing for rapid testing and assessment of raw material properties.

To ensure the reliability of each product and its adaptability to extreme conditions such as high temperatures, strong winds, snow and saltwater corrosion, we not only rely on our own testing, but also submit our products to the world-renowned third-party testing organizations to conduct more stringent tests.

### **[Case] Authoritative recognition for the laboratory**

In June 2009, the laboratory won the Witness Test Data Program (WTDP) certificate authorized by UL, and became the first UL-accredited witness photovoltaic testing laboratory in Chinese photovoltaic industry.

In December 2009, the laboratory won the Test Data Acceptance Program (TDAP) certificate authorized by VDE and became a VDE-accredited witness photovoltaic testing laboratory in Asia.

In February, 2010, the laboratory won the National Laboratory Accreditation Certificate of China National Accreditation Service for Conformity Assessment (CNAS), and is the photovoltaic enterprise laboratory with the most comprehensive projects approved nationwide.

In May 2010, the laboratory became the first batch of factory laboratories accredited by China General Certification Center for Golden Sun Certificate.

In January 2012, the laboratory was the first to be awarded a certificate by Canadian Standards Association (CSA) in Chinese photovoltaic industry.

In February 2012, the laboratory was the first to obtain VDE Junction Box Witness Laboratory Certificate in Chinese photovoltaic industry.

In February 2017, the laboratory passed the expanded certification of CNAS IEC 61215:2016 and IEC 61730:2016 in the first batch.

In June 2018, the laboratory obtained the qualification of TUV NORD Witness Laboratory.

In March 2022, the photovoltaic product testing laboratory was updated and passed CNAS IEC 17025:2017 certification.

## **6.3 CUSTOMER SERVICE**

Suntech prioritizes specialized service and has built a closely coordinated service support system, offering services and solutions covering the whole life cycle of products. Through professional and efficient service, the Company creates value for customers. Insisting on the core market concept of "Globalization & Localization", the Company has organized a professional customer service team to constantly improve the global layout and localized sales and service system.

### **GLOBAL AFTER-SALES SERVICE MECHANISM**

Suntech Power is committed to meeting customer needs. The Company has established a global after-sales service mechanism consisting of after-sales service outlets in key sales markets, and has increased local after-sales personnel in key markets to improve the timeliness of handling after-sales problems and the effectiveness of communication. Suntech Power's global after-sales service network covers Europe, Australia, Japan, India, Egypt, South Africa, the Middle East and Southeast Asia.

Suntech Power has established regulations for product installation, operation, and maintenance. Installation supervision videos are available on the official website, and customers can scan the QR code on the provided installation manual to access these videos. To respond to customer needs, the Company can also provide on-site training regarding installation, operation, and maintenance. In case of any quality problems within the scope of warranty, the Company will offer solutions such as replacement, maintenance, or compensation. Moreover, the Company will also extend the warranty period according to customer needs.

In the EU region, Suntech Power cooperates with local service organizations (such as Take-e-away, Electaco, ERP, PV Cycle) to provide end-of-life product disposal services ensuring that customers comply with local regulatory requirements.

## CUSTOMER SATISFACTION SURVEY

Suntech Power collects customers' opinions and suggestions through various channels to understand customers' concerns and improve the Company's overall service level and overall brand image. The Company has formulated and implemented the Customer Satisfaction Control Procedures and conducts regular customer satisfaction surveys involving product quality, sales process, delivery times, warranty and after-sale services, marketing, technical support, and adverse incident statistics. In 2023, the Company conducted satisfaction surveys among 12 target customers, and the final average score was 94.7, surpassing the target score (80 points).

## CUSTOMER COMPLAINT HANDLING

Suntech Power requires all departments to respond to customer complaints in a timely manner in accordance with the Customer Complaint Handling Procedures and to handle them effectively within the specified time by analyzing the specific causes of the problem, formulating treatment measures, and implementing corrective measures. When the corrective measures are completely conducted, the Quality Department will send the document related to the correction to the customer to confirm the closure status, ensuring that the problem is effectively solved. In 2023, the Company optimized and updated the Customer Complaint Handling Procedure and updated the responsibilities of relevant departments.

## 6.4 PROMOTION OF INDUSTRY DEVELOPMENT

Suntech Power adheres to the concept of open cooperation, working closely with industry associations, universities, customers, suppliers, and other partners to drive joint innovation and develop the "photovoltaic +" industrial model. This model aims to integrate clean energy across various fields, aiding industries in their transition to low-carbon solutions, and fostering the harmonious development of the local economy, environment, and society.

## [Case] Suntech Power featured at the 2023 World Future Energy Exhibition Summit in Abu Dhabi



The World Future Energy Summit (WFES) 2023 was held on January 16-18, 2023 at the Abu Dhabi National Exhibition Centre in the United Arab Emirates, and Suntech Power brought its latest Ultra V Pro series of high-power modules to the show. The new generation of Ultra V Pro series exhibit-

ed by Suntech is a new high-efficiency module product based on 182mm N-type TOPCon cell technology. The absolute advantage of the N-type TOPCon cell itself, together with the significant breakthrough in module technology, has made the Ultra V Pro series of modules a new generation of cutting-edge products, and the modules have already begun to be shipped in bulk to domestic customers and major markets such as Europe and Australia.

Suntech Power and the United Arab Emirates have been maintaining a friendly and deep cooperative relationship in recent years. Previously, Suntech Power has completed the delivery of photovoltaic modules to the world's largest single photovoltaic power plant project to date - Al Dhafra PV2 solar power plant in the United Arab Emirates, promoting the sustainable development of the energy economy of the United Arab Emirates.

## INDUSTRY-UNIVERSITY- RESEARCH COOPERATION

Suntech set up the Institute for Photovoltaic Technology in 2008 with a focus on improving its scientific and technological innovation capability. It has set up Solar Cell Research Center, Photovoltaic Module Research Center, and Photovoltaic Product Testing Center in cooperation with domestic and foreign scientific research institutes; meanwhile, it has also set up a management center to carry out technology management and service-related tasks.

With the Institute for Photovoltaic Technology as the support, national-level postdoctoral research stations and provincial postgraduate workstations as the talent cultivation platform, the Company establishes strategic cooperative relationship with many universities, actively builds the platform for industry-university-research collaboration and undertakes some governmental projects jointly with universities in scientific research.

### Main Industry-University-Research Cooperation Projects

#### Cooperation with Jiangsu University

1. Developed key technologies and systems of high-power and low-cost solar photovoltaic modules

#### Cooperation with Southeast University

2. Carried out research project on diagnostic analysis techniques for defects such as hot spots and hidden cracks in photovoltaic modules

#### Cooperation with Jiangnan University

3. Carried out research on the utility and reliability of regeneration of light induced degradation in crystalline silicon solar cells

#### Cooperation with Zhejiang University of Technology

4. Carried out research on the key technologies and applications of efficient and precise preparation of textured surfaces on crystalline silicon solar cells

## PARTICIPATION OF INDUSTRY ASSOCIATIONS

The Company actively promotes the exchange of cutting-edge science and technology in the photovoltaic industry, leading the development of industry innovation. It has joined industry organizations such as "China Photovoltaic Industry Association", "Jiangsu Photovoltaic Industry Association", "China New Energy Chamber of Commerce", and "Jiangsu Provincial Renewable Energy Industry Association", participating in the development and promotion of photovoltaic-related industry standards. In 2023, the Company participated in drafting of standards such as T/CPIA 0049-2023 T/CSTE 0216-2023 Quality Grading and "Leading Runner" Evaluation Requirements - Crystalline Silicon Photovoltaic Modules organized by the China Photovoltaic Industry Association. Additionally, it contributed to the preparation of the draft of "PID Sensitivity Testing for Cell and Module Packaging Materials" by China PV Standards Technical Committee.

### [Key Performance]

By the end of 2023,

The Company edited 13 standards and participated in the formulation of more than 40 standards.



Table: Suntech's Participation in Industry Associations

Association Name	Role
China Photovoltaic Industry Association	Executive member of the council
China New Energy Chamber of Commerce	Vice President
Jiangsu Photovoltaic Industry Association	Vice Director
Jiangsu Provincial Renewable Energy Industry Association	Executive Vice Director
China Renewable Energy Council (Wuxi)	Vice Director
China Chamber of Commerce for Import and Export of Machinery and Electronic Products	Member
German Chamber of Commerce in China	Member
Wuxi Xinwu District Federation of Industry and Commerce	Vice Director
Asian Photovoltaic Industry Association	Vice Chairman of the Executive Committee
Jiangsu Chamber of International Commerce	Vice President
China Information Industry Trade Association	Member
Photovoltaic Recycling Industry Development Cooperation Center ECOPV PV Recycle Industry Development Centre	Director unit
Asociación Colombiana de Energía Solar (ACOSOL)	Member
International Green Economy Association Council (IGEA)	Member
Solar Energy Industries Association (SEIA)	Member
Solar Stewardship Initiative (SSI)	Member
Chilean Solar Energy Association (ACESOL)	Member
Portuguese Renewable Energy Association (APREN)	Member
Solarpower Europe	Member

## 6.5 DIGITALIZATION AND INTELLIGENCE DEVELOPMENT




Suntech Power not only masters the world's leading cell and module technology, but also achieves scale, digitalization, and intelligence in production. In June 2023, Suntech Power, by virtue of its technological advantages in the fields of intelligent equipment, industrial network, information system, industrial APP, digital simulation, etc., was successfully included

in the "List of AAA-level Enterprises as A Potential Candidate for the Standard Pilot Enterprise Cultivation of Jiangsu Province Integration of Informatization and Industrialization Management System in 2023". In August 2023, Suntech Power was successfully selected for the "2023 Jiangsu Provincial Industrial Internet Demonstration Project (Benchmarking Factory Category) Recognition List" announced by Industry and Information Technology Department of Jiangsu.

Suntech Power has integrated Internet technology with customer relationship management (CRM), manufacturing execution system (MES), business process management (BPM), warehouse management system (WMS), statistical process control (SPC), enterprise performance management (EPM), big data platforms, and other information management systems through the application of intelligent equipment transformation, Internet of Things technology, smart AI algorithms, data collection and analysis, online monitoring of equipment status, online monitoring of production data, and online detection of product quality data. This integration breaks down the "data silos" of the existing systems, to enable seamless connectivity between systems, and achieve full-process integration of manufacturing services such as sales, design, production, procurement, inspection, and logistics, promoting a highly integrated combination of "industrial automation" and "management informatization", and paving the way for innovative integration between manufacturing and the Internet.

In the future, Suntech Power will continue to promote the construction and application of factory Internet, and accelerate the improvement of manufacturing industry digitalization, networking, intelligent development level, making industrial Internet the new engine driving industrial upgrading and high-quality economic development.

# 07. GREEN, LOW CARBON AND SUSTAINABLE DEVELOPMENT

The United Nations Sustainable Development Goals (SDGs) addressed in this chapter	
Main actions	Carry out product carbon footprint certification and greenhouse gas inventory; promote the application of photovoltaic products; implement energy-saving renovation and water recycling; legal disposal and discharge of three wastes; and create a green cultural atmosphere.

## 7.1 GREEN ENERGY

Climate change concerns the future of the Earth, and no one can stand aside. As a pioneer in green energy, Suntech Power has always been guided by the goal of achieving low carbon emissions, and deepened technological innovation and intelligent manufacturing to contribute to the sustainable development of the photovoltaic industry.

### PHOTOVOLTAIC PRODUCTS

Suntech Power is committed to the path of green development, providing customers with green and clean energy worldwide. The Company provides customers with high-quality, high-reliability photovoltaic products, which are natural green energy sources, contributing to the construction of a new energy system. By the end of 2023, Suntech Power's had cumulatively provided products over 50GW.

Suntech Power provides green and clean photovoltaic products worldwide, meeting the market's demand for high-quality electricity while contributing to local green and sustainable development.

### [Case] Suntech Power received the "Taihu Lake Green Excellence Award" at the 15th Chinese Renewable Energy Conference

In November 2023, the Chinese Renewable Energy Conference was held in Wuxi, introducing the inaugural "Taihu Lake Green Excellence Award" for the purpose of establishing a value-oriented and demonstrative leadership in the green, low-carbon and high-quality development of the new energy industry. Suntech Power adheres to the low-carbon development mode, accelerates the research and development of advanced high-quality production technologies, and promotes their application in the industry to continues to make efforts for the green and low-carbon development of the industry, and promotes the green and low-carbon production and lifestyles with the global customers. Those sustainable practices and innovation distinguished Suntech Power among numerous new energy enterprises, earning it the "Taihu Lake Green Excellence Award" gold medal.



### [Case] 100MW solar-storage and desert industry ecological synergy project achieves full capacity grid connection in Inner Mongolia under the support of Suntech

In March 2023, Guolong Hongyun 100,000 kW "photovoltaic + sand industry" ecological synergistic development project successfully connected to the grid for power generation. Located in Dengkou County, Bayannur City, Inner Mongolia, the project is equipped with a total of 186,368 Suntech 540/545Wp Ultra V double-sided double-glass modules, with a total installed capacity of 100.63872MWp. Upon operation, the project is expected to generate 181 million kilowatt-hours of electricity annually, with an annual equivalent full-load operating time of 1803h, saving about 56,000 tons of standard coal, equivalent to the reduction in carbon dioxide emissions by 147,400 tons, sulfur dioxide by 97.7 tons, nitrogen oxides by 54 tons, and soot by 23.4 tons. This project will contribute RMB 8.18 million in tax revenue to Dengkou County annually, demonstrating significant social, environmental, and economic benefits.



## [Case] Suntech supported Negev, Israel to realize its dream of "green electricity"

Negev is located in the south of Israel, a desert area with dry climate, occupying more than one half of the total area of Israel. Due to various reasons, local people have been using diesel generators for power, resulting in significant noise pollution and environmental pollution. After the successful operation of Suntech Power's photovoltaic modules in the local area, the local residents now enjoy stable electricity generation and a safer living environment. This initiative also laid a solid foundation for them to transition towards a green and low-carbon modern lifestyle.



## PRODUCT CARBON FOOTPRINT

Facing a new market threshold, competitive carbon footprint products will be a key factor for photovoltaic companies to seize the initiative in the global market competition. Suntech regards reducing product carbon footprint as an integral part of its corporate strategy. Through assessment and targeted improvements, Suntech aims to reduce product carbon emissions from its products, promoting the achievement of carbon neutrality goals across society.

## [Case] French "Carbon Footprint Certification"

Carbon footprint certification has become a "green passport" for photovoltaic companies to enter the international high-end market. The French photovoltaic market has been known globally for its stringent entry requirements, and the French "Carbon Footprint Certification", one of the entry requirements, is even more difficult to obtain.

This certification is implemented by the French Energy Regulatory Commission (CRE) and is the most authoritative carbon footprint related certification for photovoltaic projects above 100kW entering the French market.

Suntech's TOPCon module has been certified by the French Carbon Footprint Certification and has set a new low value of carbon footprint certification for the whole chain of domestic supply chain in the industry (376.1kg eq CO<sub>2</sub>/kWc). This certification represents the achievements of Suntech Power's many years of actively building green factories, adding low-carbon advantages for developing international markets and injecting strong momentum into the Company's globalization strategy.

## GHG INVENTORY

In order to monitor the carbon emissions during operation, the Company has established a greenhouse gas control program. Starting from 2021, the Company conducts an annual greenhouse gas inventory, with relevant Greenhouse Gas Inventory Report, and commission a third party to verify it to obtain the ISO14064 verification statement. In 2023, the Company expanded carbon inventory to include the Fengyang Suntech production base.

Table: Wuxi Suntech Greenhouse Gas Emissions

	Scope	Unit	2021	2022	2023
Wuxi Suntech	Scope I (direct emissions)	tco <sub>2</sub>	1061	1706.55	116.07
	Scope II (indirect emissions)	tco <sub>2</sub>	23512	48490.92	38420.60
	Total	tco <sub>2</sub>	24573	50197.47	38536.67

Note: 1. The power emission coefficient in 2021 was based on the power emission factor of East China in 2012 published by the National Development and Reform Commission, and the power emission coefficient in 2022 was based on the average emission factor of the national power grid in that year.

2. The shutdown of Wuxi Suntech's cell factory in 2023 led to a significant decrease in Scope I emissions.

Table: Fengyang Suntech Greenhouse Gas Emissions

Fengyang Suntech	Scope		Unit	2023
	Scope I (direct emissions)		tco <sub>2</sub>	713.23
	Scope II (indirect emissions)		tco <sub>2</sub>	18389.36
	Total		tco <sub>2</sub>	19102.59

Note: The electricity emission factor is based on the average emission factor of the national power grid in 2022.

## ENERGY SAVING AND EMISSION REDUCTION

In addition to providing photovoltaic products, Suntech Power also advocates for the use of green energy within the Company, practices energy structure optimization, and integrates green concepts into buildings and equipment. The Company continuously improves the energy management mechanism, actively promotes the construction of energy management system, establishes energy-saving management organization, appoints the leaders of each department as the energy-saving person in charge of the department, and appointed special persons within the department to act as energy-saving administrators; Meanwhile, the Company improves the systems of energy procurement and approval, energy production management, energy measurement and statistics, energy measuring apparatus management, energy consumption quota and management. Wuxi Suntech has passed ISO 50001 certification in 2022.

The Company has set up a large number of photovoltaic power generation facilities including photovoltaic curtain walls, photovoltaic carports and solar street lights. Moreover, an intelligent energy consumption collection system is built to realize on-line power monitoring, and a number of measures such as reactive power compensation in distribution room, energy-saving transformation of air compressor and waste heat recovery of air compressor are taken to realize energy saving in office and factory area in daily work.

### [Key Performance]

Suntech Eco-Building generated 373,164kWh of electricity in 2023, equivalent to an emission reduction of 212.82tCO<sub>2</sub>

Note: The electricity emission factor is based on the average emission factor of the national power grid from the Ministry of Ecology and Environment of the People's Republic of China in 2022.



Table: 2023 Suntech Power Energy Saving Projects (Partial)

Energy saving projects in 2023	Main energy saving measures	Annual electricity saving (kWh)	Carbon dioxide emission reduction (tCO <sub>2</sub> )
Wuxi Suntech's waste gas tower CO furnace transformation	Through independent research, equipment debugging, manual monitoring of emission concentrations, etc., the heating frequency of the waste gas tower CO furnace is ultimately reduced by 20%, and the frequency of equipment main fan, desorption fan, etc. is reduced by 30%	Approximately 370,000	211
Fengyang Suntech workshop lighting removal project	The workshop lighting design meets 300 lux, and the existing lighting reaches 400 lux, and the workshop lighting is removed at intervals while meeting the usage requirements, to achieve the goal of saving energy and reducing consumption	Approximately 350,000	200

Note: The electricity emission factor is based on the average emission factor of the national power grid from the Ministry of Ecology and Environment of the People's Republic of China in 2022.



Table: Energy Consumption Statistics 2021-2023

Factory	Category of	Unit	2021	2022	2023
	energy consumption				
Wuxi Suntech	Diesel	L	6,600	0	0
	Natural gas	Nm <sup>3</sup>	41,412	2,872	2,912
	Purchased power	10,000 kWh	4,384.127	8,502.70	7,034.76
	Self-use photovoltaic power generation	10,000 kWh	278.07	280.62	283.46
Fengyang Suntech	Natural gas	Nm <sup>3</sup>	/	/	373,501.92
	Purchased power	10,000 kWh	/	/	2,595.08
	Gasoline	L	/	/	3,000

Note: 1. The statistical scope of Wuxi Suntech energy covers the cell factory (until October 2023) and module factory of Wuxi Suntech company.

2. Wuxi Suntech upgraded its production line in 2022, eliminating the use of diesel and natural gas in the production process. Only the canteen uses natural gas now.

3. Fengyang Suntech officially put into production in 2023, so there is no data for 2021 and 2022.

## 7.2 GREEN FACTORY

As a leading company in the photovoltaic industry, Suntech Power continues to practice the concept of green development in a number of aspects, establish a sound clean production system, and formulate a series of strict environmental protection rules and regulations to be implemented. The Company continues to explore new energy-saving and emission reduction technologies and methods, injecting strong kinetic energy for accelerating the low-carbon transformation of the manufacturing industry and promoting green development in the industrial sector.

In 2023, Wuxi Suntech has successively won the "Green Development Leading Enterprise" issued by the Bureau of Ecology and Environment of Jiangsu Province and the "Environmental Contribution Award" and "Environmental Protection Exemplary Enterprise" issued by the Bureau of Ecology and Environment of Wuxi City as well as being selected as one of the "Green Factory" by Ministry of Industry and Information Technology of the People's Republic of China in 2023. These honors are a recognition of Wuxi Suntech's active implementation of green development strategy, technology upgrading, process optimization, facility renovation and other initiatives.

## [Case] Suntech was selected as a National "Green Factory"

In November 2023, Wuxi Suntech, adhering to the principles of land intensification, raw material greening, production cleanliness, waste resourceization, and low carbon energy, insisted on practicing the green development concept, actively implemented the green development strategy, and formulated the long-term plan for the construction of green factories, and was successfully selected as one of the "Green Factories" in the year of 2023 issued by the Ministry of Industry and Information Technology of the People's Republic of China.

## ENVIRONMENTAL MANAGEMENT

The Company follows the environmental protection policy of "putting prevention first and combining prevention with control" and the provisions of "Three Simultaneities", so as to achieve synchronous planning, implementation and development of production and construction and environmental protection. Wuxi Suntech implements the management of environmental information disclosure, discloses environmental information in accordance with the law through the E enterprise platform to accept social supervision, and regularly fills in environmental information in the enterprise environmental information disclosure system in accordance with the law. The Company has formulated a program for the identification and management of significant environmental factors to accurately identify and reduce the possible impact of the Company's operations on the environment and effectively control environmental risks. Wuxi Suntech and Fengyang Suntech have both passed ISO 14001 environmental management system certification.

## [Key Performance]

In 2023

100% compliance rate for the discharge of "three wastes"

Zero environmental violation

Zero environmental complaint

Zero environmental pollution accident

## WATER RESOURCES MANAGEMENT

Suntech Power carries out fine control of process water consumption by purchasing water-saving facilities and installing independent water meters, and establishes a recycling mechanism for production processes that do not require high water quality, so as to improve the recycling rate of water resources and reduce the waste of water. The water resources used in the Company's production and office processes come from municipal water and purchased water, of which the purchased water is mainly from the production wastewater of Wuxi Suntech Cell Factory discharged to a third-party treatment organization, and then recycled at a ratio of 1:1 for water recycling.

Table: 2021-2023 Water Consumption Statistics

Factory	Item	2021	2022	2023
Wuxi Suntech	Fresh water intake (t)	154492	548173	398905
	Volume of purchased recycled water (t)	48670	263314	244663
Fengyang Suntech	Fresh water intake (t)	/	/	13802

Note: 1. Fengyang Suntech officially put into operation in 2023, so there is no data in 2021 and 2022.

The Company defines various wastewater treatment processes, effectively controls industrial wastewater and domestic sewage, and complies with relevant national, local and industry standards for wastewater discharge. Sources of domestic sewage include toilet flushing sewage, washbasin sewage and canteen sewage, which are connected to local sewage treatment plants after treatment. Wuxi Suntech module factory does not generate industrial wastewater, while cell factory generates industrial wastewater from production, laboratory, water system maintenance and overflow wastewater from scrubbers of acid mist purification tower. The wastewater is transported via dedicated pipelines to the wastewater station, treated internally to meet standards, and then transported to the third-party companies for professional treatment and reuse. The cell factory ceased operations in October 2023, resulting in no industrial wastewater generation at Wuxi Suntech after the shutdown. No industrial wastewater is generated in the production process of Fengyang Suntech.

The Company strictly abides by the emission limit requirements and entrusts a third party to regularly test the wastewater. During the reporting period, Wuxi Suntech commissioned a third party to carry out domestic wastewater testing four times; Fengyang Suntech commissioned a third party to carry out domestic wastewater testing once. All concentration indicators tested met the requirements. In 2023, the total amount of wastewater pollutants are far lower than the total control requirements specified in the environmental impact assessment approval.

Table: Total amount of wastewater pollutants discharged in 2023

Factory Area	Categories	Test items	Units	Total control index	2023 emissions
Suntech Wuxi	Domestic sewage	COD	t/a	55.4649	0.95
		Ammonia nitrogen	t/a	4.1278	0.02
		Total Nitrogen	t/a	6.6044	0.82
		Total Phosphorus	t/a	0.8255	0.07
		Animal and vegetable oils	t/a	4.914	0.004
		SS	t/a	32.1649	0.41

## SOLID WASTE

In accordance with the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution Caused by Solid Wastes, the National Catalogue of Hazardous Wastes, and the Measures on the Management of Hazardous Waste Manifests and other relevant laws and regulations, the Company has formulated the control procedures for the management of waste, and clarified the departments responsible for the collection, storage, utilization and transfer of various types of waste and their operation procedures, so as to minimize the impact of the production process on the environment as far as possible, and also to explore the opportunities for the resources recycling and utilization.

The Company practices the waste reduction concepts such as cleaner production, green and low carbon, actively promotes the reduction of source waste and the recycling of end waste, and reduces the amount of hazardous waste by continuously improving design and using clean energy and raw materials. Wuxi Suntech and Fengyang Suntech have set up special hazardous waste warehouse to store hazardous wastes, regularly entrust the recycling party with corresponding qualification license to dispose of them, and carry out publicity and training on waste management every year to improve the staff's awareness of the importance of waste management.

Factory	Category	Unit	Transfer volume
Wuxi Suntech	Hazardous waste	t	100.4267
	General waste	t	3499.1
Fengyang Suntech	Hazardous waste	t	12.5157
	General waste	t	1111.7931

Table: Waste Disposal Situation in 2023

## EXHAUST GAS MANAGEMENT

Suntech Power's process exhaust gas mainly comes from production and laboratory. The exhaust gas is uniformly collected to the exhaust gas purification tower through the exhaust pipe, and then discharged after treatment. The Company has established management regulations for environmental protection facilities and facility operation, inspects and evaluates the exhaust gas treatment equipment, regularly checks the operation status and efficiency of the equipment, promptly identifies equipment failures and conducts repairs to ensure the effectiveness of exhaust gas treatment.

Wuxi Suntech entrusts third-party testing agencies to conduct quarterly exhaust gas emission testing. Fengyang Suntech entrusts third-party testing agencies to monitor various pollution factors of its exhaust gas emission outlets annually. During the reporting period, the exhaust gas emission test results of Wuxi Suntech and Fengyang Suntech were within the permitted range.

Table: Exhaust Gas Emission Situation in 2023

Factory	Name of Pollutant	Unit	Total Control Standard	Total Amount of Emission
Wuxi Suntech Cell Factory	Fluoride	kg	3.7286	0.051
	Hydrogen chloride	kg	2.5528	1.045
	Chlorine	kg	3.4722	0.054
	Nitrogen oxides	kg	60.7817	1.546
	Particulate matter (PM)	kg	3.7125	0.047
	Ammonia	kg	3.6705	0.051
	Non-methane hydrocarbon	kg	5.0400	0.179
Wuxi Suntech Module Factory	Xylene	kg	0.1383	0.019
	Non-methane hydrocarbon	kg	17.4431	0.788
	Particulate matter (PM)	kg	0.1766	0.624
	Tin and its compounds	kg	0.0810	0.135
Fengyang Suntech	Non-methane hydrocarbon	kg	16.319	3.473
	Sulfur dioxide	kg	0.0760	/
	Nitrogen oxides	kg	0.234	/
	Particulate matter (PM)	kg	0.778	0.756

Note: In 2023, Fengyang Suntech commissioned a third-party monitoring organization for testing. According to the results, sulfur dioxide and nitrogen oxides were not detected and are not included in the total amount.

## [Case] Exhaust Gas treatment of Fengyang Suntech

Fengyang Suntech's workshop exhaust gas is collected by gas-collecting hood, and then discharged after pulse cartridge dust removal system + dry filter + secondary zeolite bed + regenerative thermal oxidation (RTO). The total investment of the facility is RMB 13.35 million, achieving an organic waste gas treatment efficiency of over 97%. Pulse cartridge dust removal system + dry filter can realize efficient filtration of solid particles to ensure the cleanliness of exhaust gas emission; secondary zeolite bed can effectively remove sulfide, nitrogen oxides and other harmful gas components in the exhaust gas to improve the purification effect of the exhaust gas; regenerative thermal oxidization (RTO) utilizes high temperature heat in the exhaust gas as a fuel for combustion, and converts the heat into reusable energy through heat exchanger, leading to effective energy recovery, emission reduction, and degradation of organic and harmful gas components in the exhaust gas, ultimately reducing environmental pollution.

Fengyang Suntech's boiler exhaust gas adopts low nitrogen combustion device to reduce particles and harmful gas emissions in the discharged flue gas.



## NOISE MANAGEMENT

Suntech Power is an industrial production enterprise, and both Wuxi Suntech and Fengyang Suntech are classified as Class 3 acoustic environment functional area. To prevent and reduce the noise pollution and its impact on environment and human health, the noise management and control procedures have been established to effectively control the environmental noise. During the reporting period, both semi-annual noise tests conducted internally and government-supervised tests met the standards, and no noise-related complaints were received.

### 7.3 ENVIRONMENTAL PROTECTION TRAINING AND PUBLICITY

The Company consistently carries out various types of training and lectures on environmental protection to enhance the environmental awareness of all staff. 2023, Wuxi Suntech organized multiple training sessions on topics such as "How to carry out environmental protection work in enterprise", "Basic knowledge of cell environmental protection", "Environmental protection knowledge on module"; making the concept of green environmental protection more deeply rooted in staff's hearts. Fengyang Suntech has conducted training on "identification and evaluation of hazards and environmental factors" and "environmental safety" to improve staff's awareness and skills.

The Company insists on starting from small things and integrates green and low-carbon culture into every detail of employees' lives and work. Fengyang Suntech reasonably controls the use of air conditioning: in summer, the air conditioning is turned on when the outdoor temperature is above 30°C, with a temperature setting not lower than 26°C; in winter, the air conditioning is turned on when the outdoor temperature is below 5°C, with a temperature setting not higher than 20°C. In addition, the Company reasonably adjusts the operation time and temperature of the power station boiler under the premise of ensuring that the workshop temperature meets the requirements, saving 600m<sup>3</sup> of gas daily.

## [Case] Special activities for the Environmental Activity Month

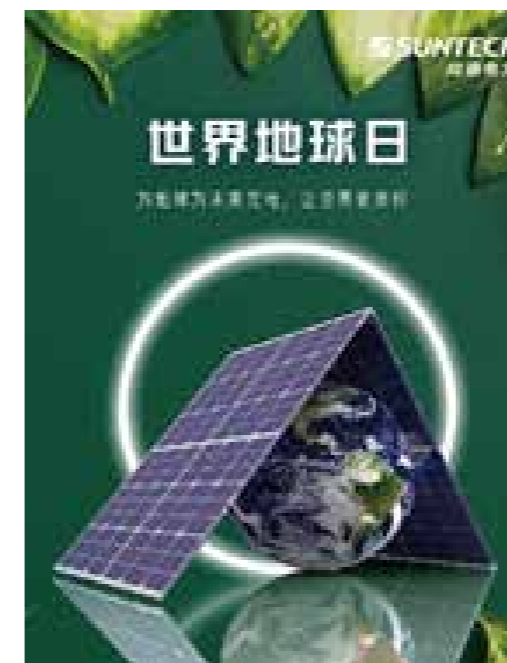
On June 5, 2023, the 52nd World Environment Day, Wuxi Suntech organized special activities to deepen employees' understanding of the general solid and hazardous waste types, names, and disposal methods in the module factory and cell factory, popularizing environmental protection knowledge and providing strong support to build a green factory.



Cell Environmental Protection Knowledge Training



Energy-saving Special Training



World Earth Day Promotional Poster



Arbor Day Promotional Poster



## 7.4 BIODIVERSITY PROTECTION

Both Wuxi Suntech and Fengyang Suntech are located in industrial parks, with no significant negative impact on regional ecological environment and biodiversity. New construction and expansion projects of the factories strictly comply with local environmental protection regulations, including conducting environmental impact assessments and obtaining environmental approvals. When providing solutions for products such as photovoltaics, the Company also considers the impact on the local ecological environment with customers during site selection, design, and construction, strictly adhering to relevant laws and regulations to protect the local ecological environment.

### **[Case] Wuxi Suntech was included in the recommended catalog of eco-environmental governance products for the "Belt and Road Initiative"**

Suntech Power aims to build a sustainable photovoltaic enterprise and has consistently prioritized greening the entire product lifecycle as an important strategy for the Company's green development. The Company continuously introduces innovative technologies in the manufacturing and application of photovoltaic products, forming a green system covering production, design, recycling, and reuse processes. In product design, the Company has incorporated the concept of ecological design, and adheres to the principles of ecological design from the selection of raw materials, production processes, product use, handling of defective products and packaging to transportation, minimizing potential environmental impacts. In 2023, Wuxi Suntech was included in the recommended catalog of eco-environmental governance products for the "Belt and Road Initiative" released by the "Belt and Road" Eco-industry Cooperation Working Committee of All-China Environment Federation.

### **[Case] Qingyang Fishery-Photovoltaic Complementary Project Launched in Chizhou**

Qingyang County in Chizhou City, Anhui Province, has a dense network of water resources and rich mineral deposits. However, coal mining has led to land subsidence in some areas, resulting in numerous lakes. Moreover, the scattered flat land is not conducive to large-scale agricultural development, so aquaculture has become an important agricultural model in the region. In order to promote green development and rural economic revitalization, Suntech Power has cooperated with the local government to build a 10MW fishery-solar complementary project, which can enhance the value of "fishery, electricity, and environmental protection". Photovoltaic power generation can increase clean energy output and stabilize water quality and temperature, which will provide a suitable breeding environment for shade-loving species and expand the variety of aquaculture species, bringing fish back in area affected by coal mining subsidence.

# 08. PEOPLE-ORIENTED, HARMONIOUS AND WIN-WIN

<p>The United Nations Sustainable Development Goals (SDGs) addressed in this chapter</p>	
<p>Main actions</p>	<p>Oppose forced labor and child labor, prohibit discrimination, ensure fair and just employment; improve the salary and benefits system; provide various employee promotion channels and diverse employee training; implement occupational health and safety management system requirements; conduct supplier audits and due diligence investigations; actively participate in community development.</p>

## 8.1 TALENT DEVELOPMENT

By establishing a series of management systems such as Human Resource Control Procedures, Suntech Power has realized comprehensive management in all stages of employee recruitment, hiring, attendance, performance management, promotion, training, and separation, etc. With this continuously improved talent management system, staffs of Suntech Power will gain the opportunities to realize their dreams.

### EMPLOYMENT POLICY

The Company firmly opposes forced labor and child labor, and prohibits all threats, abuse, exploitation and forced sexual harassment in the workplace. Throughout the employment process, the Company strictly abides by the Labor Law of the People's Republic of China, the Labor Contract Law of the People's Republic of China and other relevant laws and regulations, and formulates and implements a series of human rights protection systems and procedures, including the Procedures for the Management of Child Labor and Minor Workers, Procedures for the Management of Prohibition of Discriminatory and Disciplinary Measures, Procedures for the Control of Prohibition of Forced Labor, and Procedures for the Control of Employee's Freedom of Association and the Right to Collective Bargaining. The location of the Com-

pany is not classified as a high-risk area for child labor and forced labor. During the reporting period, there were no incidents of child labor, complaints and incidents related to human rights such as discrimination and forced labor. Wuxi Suntech passed the SA 8000 system audit, undergoing comprehensive human rights scrutiny and assessment.

The Company prohibits any discriminatory behaviors against ethnicity, race, religious beliefs, gender, age, sexual orientation and other factors in the recruitment and employment process. The Company legally contributes to various social insurances and housing provident fund for employees. In cases where economic layoffs, plant closures, or relocations are necessary, the Company will formally notify employees one month in advance as required by relevant laws.

### [Key Performance]

In 2023

- 100% signing rate of labor contracts for employees
- 100% social insurance coverage rate
- 100% additional commercial insurance coverage rate for employees

Suntech Power carries out recruitment through multiple channels to bring in fresh talents in a timely manner. In 2023, Wuxi Suntech carried out the reserve talent plan, and conducted the campus recruitment through online preaching and offline on-campus job fair in the form of campus recruitment. The Company received 326 valid resumes, and arranged 50 interviews. Additionally, internal promotion competitions were organized to fill department head vacancies, with 35 vacant positions for internal employees through 7 internal recruitment notices. In 2023, the number of new employees of Wuxi Suntech was 43, and the employee employment rate was about 4.97%.

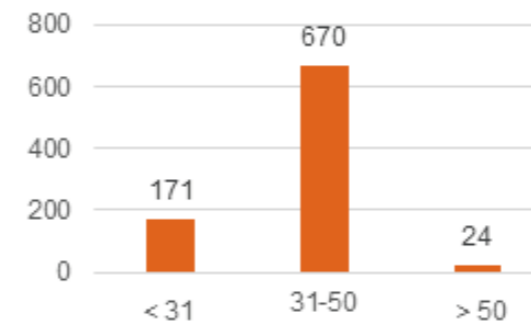
At the same time, as the Company expands its overseas sales business and has a demand for sales talent in overseas markets, Wuxi Suntech also carries out internal referrals and external recruitment for its sales team. In 2023, a unified recruitment effort was carried out to hire sales professionals for overseas positions, and the Company initiated overseas operations for its employer brand. Fengyang Suntech has accumulated more than 20 recruitments through online recruitment platforms such as Beijixing Recruitment, 51Job, BOSS Zhipin, OSSO, Fengyang Recruitment website, as well as offline campus recruitment.

## EMPLOYEE DIVERSITY

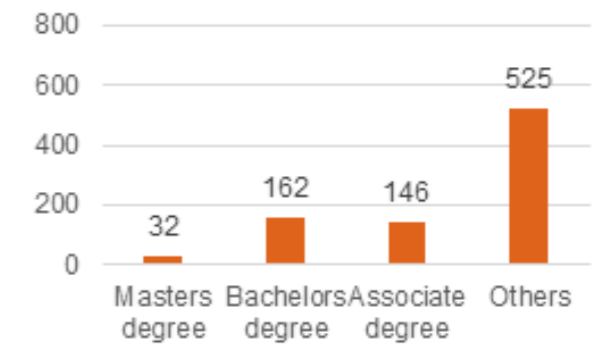
The Company ensures equal employment opportunities and rights for male and female employees, including equal pay for equal work, and fully protects the special rights and interests of female employees. The Company supports female employees to participate in management, business and technical training, and follows the principle of equality between men and women in promotion, promotion and evaluation of professional and technical titles. The Company fully respects the cultural practices of its employees and does not interfere with their rights to practice religious beliefs and customs.

As of the end of 2023, Wuxi Suntech had 865 regular employees, of which female employees accounted for 38.96%, up from the previous year; and there were 21 female managers, accounting for 36.84%. Fengyang Suntech had 1,035 formal employees, with female employees accounting for 33.43% and female managers accounting for 12.5%. The Company actively promotes the employment of people with disabilities. During the reporting period, Wuxi Suntech hired 9 people with disabilities, and Fengyang Suntech hired 1 person with disabilities.

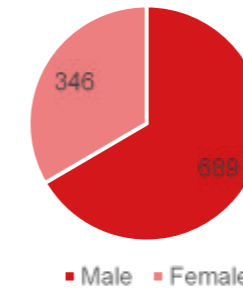
Age distribution of Wuxi Suntech employees



Education distribution of Wuxi Suntech employees



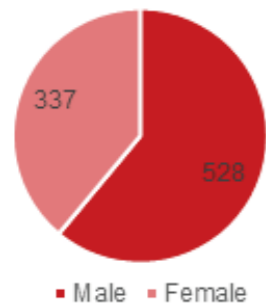
Gender distribution of Fengyang Suntech employees



Ethnicity distribution of Fengyang Suntech employees



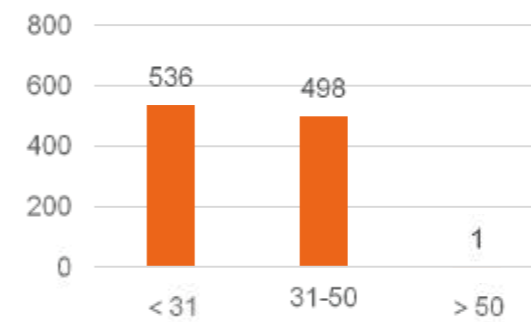
Gender distribution of Wuxi Suntech employees



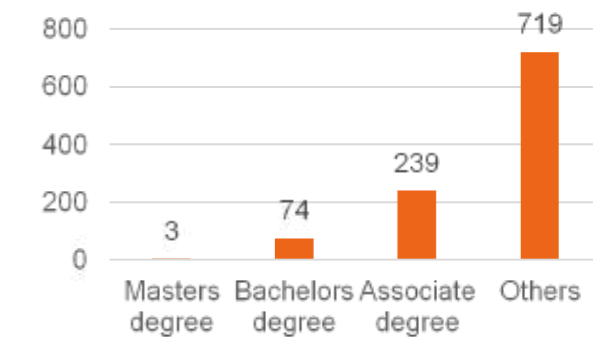
Ethnicity distribution of Wuxi Suntech employees



Age distribution of Fengyang Suntech employees



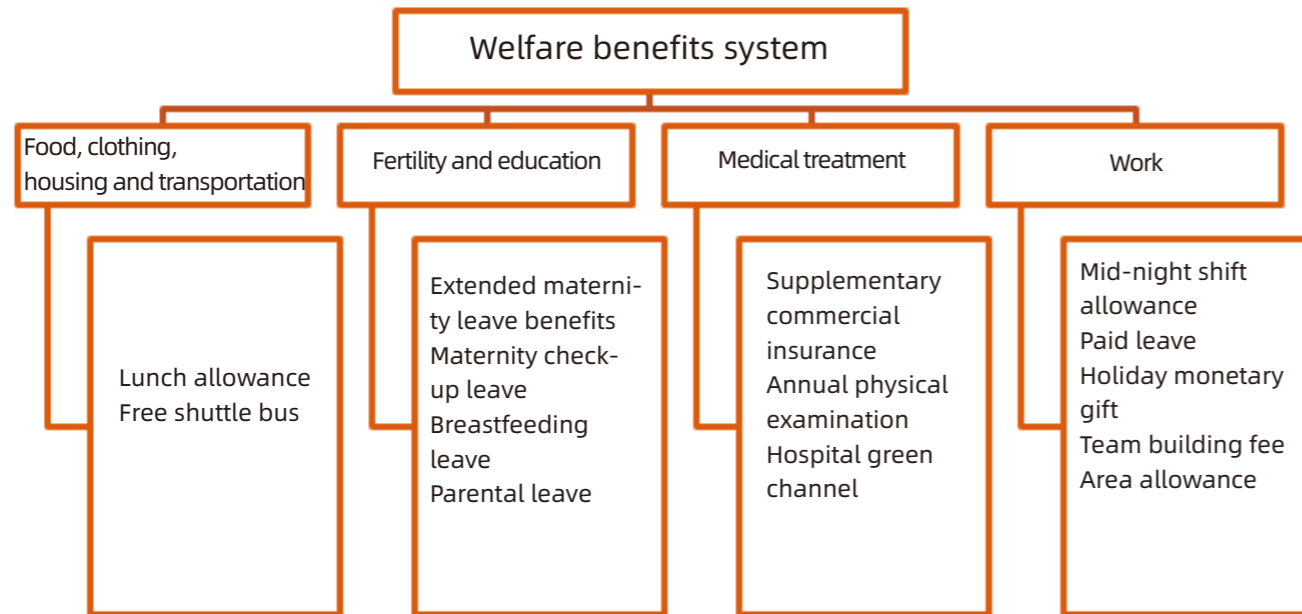
Education distribution of Fengyang Suntech employees





## SALARY AND WELFARE

The Company strictly abides by national and local laws and regulations. Based on the strategic development needs of the Company, it establishes a salary management system and structure. In addition to paying basic social security fees in full and on time, the Company provides employees with multi-level welfare benefits to improve their quality of life and enhance their motivation and sense of belonging at work. The Company offers competitive salaries and bonuses to employees, with all employees receiving a minimum wage higher than the local minimum wage level. The Company's welfare benefits cover all employees, providing special care and protection for female employees in need.



## CARE FOR FEMALE EMPLOYEES

The Company strictly implements regulations such as the Regulations on the Labor Protection of Female Workers and the Law on the Protection of Rights and Interests of Women, ensuring the rights and interests of female employees in the workplace in accordance with the law. Special protections are provided to female employees during menstruation, pregnancy, childbirth, and lactation periods. Pregnant and lactating female employees are not allowed to work overtime or engage in prohibited labor. Female employees who are pregnant for more than seven months and those who are breastfeeding are entitled to corresponding maternity leave with the approval of the Company. The Company organizes annual screenings and

treatments for women's diseases and breast diseases for all female employees, ensuring the health and safety of female employees. In addition, the Company organizes various activities and prepare holiday gifts for female employees.



Photography Salon Activity on International Women's Day



"Two Cancer Screening" Activity on Mother's Day

## CAREER DEVELOPMENT AND PROMOTION

The Company places great emphasis on the training and development of skilled talents, making "building a high-skilled and high-quality workforce" an important part of its talent strategy. The Company provides a salary structure better than the industry, and has set up a perfect promotion, job rotation, competition, career dual-channel career development, as well as the annual excellent personal development and reward mechanism.

In order to improve the quality and efficiency of employees, enhance skills and knowledge, and stimulate employees' self-development motivation, the Company has formulated the Training Management Regulations, and established a systematic training system and employee development system to comprehensively enhance the ability of employees at all levels, injecting momentum to the development of the Company, and also creating abundant opportunities for employees to enhance their overall capabilities. In 2023, Fengyang Suntech formulated Annual Training Schedule tailored to the different needs of employees, covering knowledge, skills, and attitudes. Training schedule were designed for employees in different positions and roles, incorporating written tests, on-site questioning, practical exercises, and com-

prehensive assessments to evaluate the training outcomes and help employees enhance their overall capabilities.

#### Internal training

- Make training plan and carry out all kinds of internal training, including pre-job training for new employees, internal training for departments and cross-department training.
- Implement tutorial system, to help new employees familiarize themselves with the environment and work.
- Join local human resources work associations to enjoy training resources and exchange opportunities in the industry.
- Cooperate with training schools to develop industry evaluation norms.

#### External training

- Specialized training is carried out to enhance employees' professional skills, such as training camps for team leaders and for school enrollments.
- Actively encourage employees to participate in various skills, qualifications and management training, and bear relevant learning expenses.
- Arrange special operations personnel to participate in initial training and retraining regularly to meet the production and operation needs of the Company.

The Company has formulated the Promotion Management Regulations, which stipulates the performance evaluation, development channels and job promotion of employees after joining the Company, and formulated special career development paths for different talents, creating upward development channels in management, technology, function, and marketing, so as to help employees with different personalities and different needs to find a suitable way of promotion for themselves. The Company enhances all kinds of skills of employees through job rotation, fixed positions, internal examination and selection,

activates the vitality of the organization, helps employees maximize the development of their own potential, and realizes the mutual growth with the enterprise.

### [Key Performance]

In 2023,

100% of Wuxi Suntech's employees received regular performance and career development assessment.

100% of Wuxi Suntech's employees had received training on social responsibility policies or procedures.

A total of 383 Wuxi Suntech's front-line employees have received skills training and have been recognized as senior/middle/junior workers.

### [Case Study] "Starlight Program" training camp for school admissions

Wuxi Suntech has developed the "Starlight Program" specifically to help recent graduates quickly adapt to the working environment, transition roles and mindsets accurately and swiftly. Through a training camp-style learning program, new employees undergo a magnificent transformation from workplace novices to professionals, endorse Suntech's corporate culture, enhance their career awareness, and develop good professional qualities, ultimately grow into shining stars at Suntech.



## [Case] First-line team leader training camp



Wuxi Suntech recognizes that team leaders are crucial links between the Company and frontline employees, and teams are essential "cells" contributing to the Company's continuous growth. In order to create and cultivate the gold medal team leader, effectively stimulate the enthusiasm and creativity of the staff, enhance the cohesion and combat effectiveness of the enterprise, and promote the common development of the enterprise

and the workers, Wuxi Suntech opened the first-line team leader training camp. The training camp lasts for one year and covers six stages of self-management, team management, work practice, on-site improvement, full staff preservation and safe production, and outstanding achievement. It includes 16 courses and covers 15 important aspects in the production and management process as a whole. Through these phases and corresponding thematic courses, team leaders enhance their professional skills and capabilities significantly.

## EMPLOYEE PRIVACY PROTECTION

The Company attaches great importance to the protection of employees' privacy and information, and constantly improves the collection and use of personal data in all stages of the establishment, continuation and termination of labor relations. Upon joining the Company, new employees' personal personnel files are established and stored in a dedicated archive room managed by designated personnel. All employee information is entered into the Human Resources Electronic Management System upon joining, with specific personnel responsible for allocating access permissions. Employees can only access information relevant to themselves. Different modules within the HR system

have permissions tailored to the scope of their respective business areas. During the reporting period, there was no disclosure of personal information of employees.

## DEMOCRATIC MANAGEMENT

Wuxi Suntech and Fengyang Suntech both have labor unions, which are responsible for formulating the Employee Representative Meeting System, establishing and maintaining an effective complaint and grievance mechanism, and assisting the employee representatives to fully represent the employees in exercising their rights. The labor union represents the employees to sign the Collective Contract and the Wage Collective Agreement with the Company, and actively safeguards the legitimate rights and interests of the employees. Meanwhile, the labor union supervises the Company's actions to protect employees' rights and interests and participates in the investigation of employees' complaints.

During the reporting period, the labor union committee of Wuxi Suntech, consisting of one chairman, two representatives and six members, held an employee representative meeting and passed one resolution. The labor union committee of Fengyang Suntech held an employee representative meeting and elected one chairman, four members and 16 employee representatives.

## EMPLOYEE EXCHANGE

The Company actively establishes communication channels with employees and listens to their feedback. The Company has set up relevant positions in the Human Resources Department, Office of the President, Administrative Department, Labor Union and other departments and organizations to deal with employee communication, and also requires that all functional departments should try their best to assist employees to solve the difficulties they encountered in their work within the scope of their duties. During the reporting period, there were no labor disputes or labor arbitration incidents in the Company.



The Company's current employee communication channels mainly include:

Hold regular employee representative meeting

Provide communication platforms such as WeCom, IP phone, email address and bulletin board

Conduct one-on-one performance interviews, exit interviews, etc.

Set up suggestion channels such as "Heartfelt Tree Hole" and "Golden Ideas" for rationalization suggestions

In order to improve the administrative management and service mechanism, improve efficiency and service quality, and create a good employee relations and working atmosphere, Fengyang Suntech conducted an employee satisfaction survey focusing on administrative and logistical work in 2023.

According to survey results, the employees were generally satisfied with the administrative work. However, there were suggestions for improvement in areas such as diversifying activities and improving the taste of cafeteria meals. The Administrative Department will take these feedbacks into account and work on making the necessary improvements.

### **[Case] Employee "Golden Idea" Activities**

Wuxi Suntech conducts the "Golden Ideas" activity for employees every quarter to collect their ideas in improving corporate culture, reducing costs, enhancing efficiency, and promoting safety and environmental protection, among other areas. In 2023, Wuxi Suntech accumulated a total of 108 implementable golden ideas, including 6 A-level ideas, 27 B-level ideas, and 75 C-level ideas. Employees who submitted ideas at each level were rewarded with gifts as recognition for their contributions.

### **DIVERSIFIED THEME ACTIVITIES**

The Company is striving to achieve work-life balance for its employees and organizes diverse activities for them to reduce their work pressure and enrich their spare time. The Company not only cares about the employees, but also focuses on the children of the employees, Wuxi Suntech collaborates with local dental hospitals to provide dental health education for employees' children, promoting good oral

hygiene habits and offering free dental check-ups to ensure the well-being of employees' families.

Additionally, the Company also distributes "Children's Day" gift packs to children of employees working outside, allowing them to feel more warmth and care.

Wuxi Suntech holds a monthly themed activity for employees, including sports activities, fun events, retirement ceremonies, and traditional holiday celebrations, to help employees achieve a balance between work and life as much as possible. Similarly, Fengyang Suntech organizes 4 employee care activities every month, which include updating the canteen dishes according to the canteen satisfaction survey every month, sending birthday wishes according to the date of the employee's birthday every month, engaging in heart-to-heart conversations with department members, and distributing holiday gifts.



"Three-line Love Letter" Activity on Labor Day



'Return to Childhood' Activity on Children's Day

### **[Case] Cooling relief activity**

On August 23, 2023, amidst scorching heat and sweltering summer conditions, Fengyang Suntech, in collaboration with the Fengyang County Trade Union, launched the "Cooling Relief" activity. They distributed 100 bottles of mineral water and summer cooling kits to employees, providing them with a refreshing break from the hot summer weather.

## 8.2 SAFETY PRODUCTION

Suntech Power has always believed that safety is the lifeline of enterprise development and the source of employee happiness. The Company attaches great importance to safety risk control during production and operation, and promotes the implementation of all safety management work.

### SECURITY MANAGEMENT

Suntech Power has established a safety management system with safety responsibility as its core. It has set up a Safety Management Committee chaired by the EHS leader, with the EHS manager serving as the secretary, and module leaders and employee representatives recognized by the union serving as committee members. The Safety Committee is responsible for developing and implementing the safety information communication and reporting mechanism, ensuring that each module can upload and issue safety policies, requirements, resolutions, management plans, etc. efficiently and smoothly, and holds quarterly meetings.

#### [Key Performance]

In 2023, Wuxi Suntech invested RMB 3.4035 million in safety, and Fengyang Suntech invested RMB 360,000 in safety.

### Risk hierarchical management and control

To implement safety production work and enhance all employees' awareness of risk sources in the workplace, and ensure that all employees can promptly identify safety hazards in the work area and address them at the budding stage, each department adopts the LEC method to regularly identify, update, and train on risk sources, covering human unsafe behaviors, unsafe conditions of objects, management deficiencies, and environmental aspects

### Safety inspection and improvement

To strengthen the management of production safety, establish a good production safety environment and order, discover and eliminate dangerous factors in the production process in time, protect the safety and health of employees in the production process, and protect the enterprise property from loss, in 2023, Wuxi Suntech organized and carried out a total of 62 special hazard inspections of different types, while Fengyang Suntech organized 18 special inspections.

Table: Wuxi Suntech Safety Inspection Statistics

Inspection Category	Number of Times
Pre-holiday Inspection	6
Management Inspection	12
Blind Area Inspection	3
Special Inspection	37
Early Warning Inspection	4

The Company also implements comprehensive safety management for contractors, visitors, and other external personnel. The Company has established a series of construction safety management systems, and requires construction parties to sign work permits and safety management agreements to strictly abide by Company rules and regulations. The Safety Management Department provides pre-job construction safety and factory rules and regulations training for construction party's employees, and establish approval mechanism for eight major special operations to ensure the personal safety of external personnel. In 2023, Fengyang Suntech has cooperated with a total of 12 construction suppliers, all of whom have signed safety agreements and received entry training, and has collected evidence collection, effectively controlling safety risks.

## **[Key Performance]**

In 2023

Wuxi Suntech recorded 1 work-related injury without serious consequences. Fengyang Suntech recorded 3 work-related injuries without serious consequences.

Note: Serious consequence injuries are injuries that result in death or that the worker cannot, does not or is not expected to fully recover to his or her pre-injury state of health within six months.

Note: Serious consequence injuries are injuries that result in death or that the worker cannot, does not or is not expected to fully recover to his or her pre-injury state of health within six months.

## **OCCUPATIONAL HEALTH**

Wuxi Suntech and Fengyang Suntech has standardized the occupational health monitoring process, established occupational health management plans and files as required, fulfilled the obligation to inform about occupational health hazards, continuously carried out occupational health promotion and training, to enhance labor protection measures, and constantly improve working conditions. Each department identifies occupational hazards in positions, establishes standards for the provision of personal protective equipment (PPE) based on positions, provides training on the use of PPE to employees, and conducts special inspections on the wearing of PPE. The Company regularly entrusts qualified third parties to conduct testing for occupational hazards in the workplace, and the test results and reports are posted in the workshop. Occupational health representatives regularly attend EHS meetings of the Company and track the work resolutions and work progress in time.

According to 2023 Wuxi Suntech Occupational Hazard Factors Inspection Report, the concentration of dust and chemical substances measured at each inspection point met the requirements of occupational exposure limits. The Company has adjusted the speed of the equipment to reduce the noise value, and requires employees to wear noise-proof ear protection. In 2023, Wuxi Suntech arranged for 259 employees engaged in operations exposed to occupational disease hazards to undergo pre-employment, on-the-job and off-the-job occupational health checkups. No cases of occupational diseases were found, and one employee with occupational contraindications was reassigned. Wuxi Suntech is equipped with an infirmary, which seamlessly connects to the Ninth People's Hospital of Wuxi City in case of accidents requiring timely treatment.

From November 2023, Fengyang Suntech started self-monitoring occupational noise at the worksite. For positions and processes that exceeded the standard noise levels, the sources of noise were identified, and targeted corrective measures were developed to continuously improve the situation. In 2023, Fengyang Suntech arranged occupational health examinations for 497 employees engaged in work involving occupational hazard factors. During the pre-employment occupational health examinations, six cases of noise-related contraindications were identified, and all affected employees have been reassigned accordingly.

## **[Key Performance]**

In 2023

Occupational disease incidence rate of Wuxi Suntech and Fengyang Suntech was "0".

## **SAFETY CULTURE AND CAPACITY BUILDING**

In order to improve the safety quality of the staff, strengthen the sense of responsibility of the staff for safe production, improve the staff's conscientiousness in complying with the rules and regulations and labor discipline, enhance the concept of legal system for safe production, and master the requirements of operation technology and the ability of preventing and dealing with the accidents, the EHS Department of Wuxi Suntech organizes 18 safety trainings according to the annual training plan, including first-aider training, chemical knowledge training, fire-fighting knowledge training, safety management personnel training, dual-control mechanism training, and occupational health training. Fengyang Suntech's Safety and Environment Department has organized 26 special education sessions on safety, environmental protection, occupational health, ERT emergency management, special equipment, and firefighting.

The Company's EHS Department conducts safety education and training for all construction personnel for different operations and projects, and clarifies safety precautions and relevant company regulations, with the focuses on issues such as hidden dangers that are easy to be repeated at construction sites and accidents that are easy to cause injuries, to enhance the safety awareness of construction personnel.



In accordance with the law, the Company employs a qualified external security team to be responsible for the safety of people and property in the production and office areas, and carries out social responsibility training and safety training in accordance with the scope of its authority and the content of its work. By the end of 2023, Wuxi Suntech had a total of 25 security guards, all of whom were trained in social responsibility policies or procedures.

### **【Key Performance】**

Wuxi Suntech, Fengyang Suntech

100% signing rate of safety target responsibility pledge

100% of employees received annual safety training

100% coverage of three-level safety education for new employees upon entering the factory

### **EMERGENCY MANAGEMENT**

Wuxi Suntech has established a three-tier emergency plan system, including a comprehensive emergency plan, 6 special emergency plans and 17 on-site disposal plans, while Fengyang Suntech has established a comprehensive emergency plan, 4 special emergency plans and 10 on-site disposal plans. The Company arranges for employees to learn the contents of the emergency response program and regularly conducts emergency drills to improve the emergency response ability of employees and protect the health and safety of employees.

To enhance the understanding and practical skills of emergency response personnel on emergency plans and procedures, Wuxi Suntech organized 23 emergency drills with 724 participants in 2023, while Fengyang Suntech organized 6 emergency drills with 568 participants. The types of drills include fire extinguishing drills, chemical leakage drills, evacuation drills, and confined space emergency drills. After the drills, an evaluation of the drill's effectiveness was conducted, further improving the professional quality and capabilities of emergency response personnel.

Wuxi Suntech trained 30 qualified first aiders, with a coverage rate of 3%. All departments are equipped with 9 first-aid medicine boxes, emergency flashlights, gas masks, protective screens, C-class chemical protective clothing, chemical protective boots and other emergency materials and facilities.

### **【Case Study】 Chemical leakage evacuation drills**

In January 2023, Wuxi Suntech conducted an emergency drill simulating a chemical leakage incident. A total of 113 personnel from the Production Department, Equipment Department, Process Department, etc., participated in the drill to assess the understanding and practical skills of emergency response personnel in emergency plans and execution procedures, evaluate the effectiveness of emergency training, analyze training needs, and further improve the business quality and capabilities of emergency response personnel.



TMA Leakage Emergency Evacuation Drill



Chemical Leakage Drill

Emergency Evacuation Drill



Incident Drill with Employees Accidentally Injured

### **[Case] ERT (Emergency Response Team) ensures safety assurance**

In order to deal with emergencies quickly and effectively, control the development of events and reduce or eliminate the degree of disasters, the Company set up an Emergency Response Team (ERT). After special training and training, ERT members can respond to any emergency quickly and participate in emergency rescue work. ERT training includes emergency knowledge, chemical characteristics of key parts of the factory, emergency measures in various emergencies, PPE wearing, first aid and firefighting knowledge, etc. After passing the training and examination, ERT members wear ERT armbands, obtain employment certificates and take up their posts.

## **8.3 SUSTAINABLE SUPPLY CHAIN**

### **SUPPLIER MANAGEMENT**

In order to build a perfect procurement management system, standardize the procurement operation process, clarify the responsibilities of each post and strengthen the cooperation among various departments, the Company has formulated a series of procurement management systems, such as Procurement Process Control Procedures, Equipment and Facilities Procurement Process Control Procedures and Raw and Auxiliary Materials Procurement Management Regulations. Meanwhile, the Company evaluates and selects suppliers to ensure that their performance meets the requirements of social responsibility, and ensures that suppliers can provide high-quality materials or services at reasonable prices on a stable basis.

### **New supplier introduction**

The introduction of new suppliers needs to go through introduction preparation, introduction and qualified supplier evaluation. Introduction preparation stage is mainly for the review of written information. According to different control measures, suppliers are required to sign the Supplier Code of Business Conduct, Confidentiality Agreement, Supplier Investigation Form, Supplier Self-Assessment Form, Supplier Questionnaire, SA8000 Supplier Questionnaire, SA8000 Supplier Risk Assessment Form, and other documents. It's mandatory for all A and B category critical raw material suppliers to achieve a 100% signing rate for these documents. In the introduction stage, the Company refers to the Control Procedure for the Import of New Materials in Cell Factory and the Product Import Procedure, and completes on-site review and small and medium batch test of incoming materials according to the important grade of raw and auxiliary materials. For qualified suppliers, quality, delivery, cost and site (QDCS) evaluation shall be carried out according to the Company process, and evaluation process files shall be established and imported into the qualified supplier database.



### **Supplier audit**

For domestic suppliers, since they are rated as qualified suppliers, the Company usually conducts on-site or qualification audits once a year, and appropriately adjusts the audit frequency and audit method according to the actual procurement frequency and product quality of different suppliers. When the purchased materials are unqualified in batches, which seriously affects the quality of finished products, or when the production conditions, production sites and production processes of suppliers change significantly, the Company will organize and implement audits to ensure that suppliers meet the requirements. For foreign strategic material suppliers, the Company shall arrange on-site audits and qualification audits as appropri-

ate, or entrust the nearest foreign branch to conduct on-site audits. Audit criteria include: customer service, quality system, environmental safety management, warehouse management, process control, control of raw materials and finished products, product design and development, procurement and supplier management.

For qualified suppliers, the Company carries out corresponding risk assessment in accordance with SA8000 standards, and categorizes the suppliers into Levels " I ", " II " and " III " according to the industry, nature of enterprise, factory geography, procurement volume and other indicators, with different control measures for different levels of suppliers:

Level " I " suppliers are required to sign the Supplier Code of Business Conduct and receive on- site audits.

Level " II " suppliers are required to sign the Supplier Code of Business Conduct and complete the SA8000 Supplier Questionnaire.

Level " III " suppliers are only required to sign the Supplier Code of Business Conduct. Suntech Power pays attention to the sustainable development of local communities and actively contributes to local economic growth. Taking the country where the Company's main production base is located as "local", the local procurement rate during the reporting period exceeded 90%.

### **[Key Performance]**

In 2023

100% signing rate of supplier code of conduct

On-site audits were conducted for 25 existing suppliers and 9 new suppliers. The audit issue closure rate was 100%. However, one supplier did not pass the audit due to reasons such as lacking effective quality control

### **Responsible supply chain**

The company attaches great importance to working with all partners in the supply chain to jointly improve the environmental, social and governance levels of the entire value chain. In

2023, the company will conduct technical and quality exchanges with suppliers from time to time through online video conferences and on-site meetings to keep abreast of the latest industry trends and technical requirements to achieve common development.

### **CONFLICT MINERALS**

Suntech requires all suppliers to fully comply with the laws and regulations of the countries/regions in which they operate in all of their business activities, and this requirement is reflected in the Supplier Code of Business Conduct. As the tin metal in the solder strips used as raw material for production is a conflict metal, the Company has clearly stipulated the Conflict Minerals Policy in the Supplier Code of Business Conduct, which requires suppliers to conduct reasonable due diligence on their supply chains to ensure that they do not purchase and use tin metal produced from areas with mineral conflicts, and requires cooperative suppliers to sign the CMRT (Conflict Minerals Reporting Template) research form and to provide a complete statement. In addition, the Company encourages suppliers to become "conflict-free" suppliers to help environmental sustainability and human rights protection.

### **8.4 COMMUNITY DEVELOPMENT**

Suntech Power is committed to the community and actively contributes to social welfare activities since its establishment. In 2023, the Company organized and participated in the "Walking Classroom" and solar energy environmental protection science and technology popularization activities, visits to elderly people living alone, and support for the international marathon activities. The Company will continue to invest more resources in the future, bravely shoulder corporate social responsibility, and work together with society to achieve more sustainable development.



## [Case] Love transmission of Suntech Power in 2023

In 2023, more than 100 teachers and students from schools visited Wuxi Suntech for learning and exchange. Company representatives and receptionists used easy-to-understand language to introduce basic knowledge of solar energy, power generation principles, and practical applications to help students understand science better and establish a green, low-carbon, and environmental protection mindset.

The Company actively creates employment opportunities for the local community. In 2023, it provided employment opportunities for 600 people in the old town area of Fengyang County, helping them to increase their income and improve their livelihoods.

Before Spring Festival, the Company organized employee representatives to visit lonely elderly people in the community and presented them with holiday goods, expressing Suntech's concern for them.

## [Case] Suntech Power supported successful Nagano Marathon in Japan



On October 22, 2023, the first Sakudaira Half Marathon was held in Sakudaira City, Nagano Prefecture, Japan. Suntech Power, the only Chinese brand sponsor of the event, joined the race with the concept of "Solar Energy, Lighting a Low-Carbon Future". Not only did 20 Suntech Power employees participate alongside runners from around the world, but also nearly 20 employees served as volun-

teers to provide services for the event, supporting running enthusiasts in pursuing a healthy lifestyles and better sports experience. The race not only conveyed the values of environmental protection and health, but also strengthened the connection between the Company and the local community, contributing to the construction of a sustainable local community.

# 9. INDEX OF INDICATORS

## Index of GRI Standards 2021

<b>Instructions for use</b>	Suntech Power has reported the information cited in this GRI Index from January 1, 2023 to December 31, 2023 with reference to the GRI Standard.
<b>GRI1 used</b>	GRI 1: Foundation 2021

GRI standard	Disclosures	Chapter
GRI 2: General Disclosures 2021	<b>1. Organization and its reporting practices</b>	
	2-1 Organizational details	About Suntech
	2-2 Entities included in the organization's sustainability reporting	About the report
	2-3 Reporting period, frequency and contact person	About the report
	2-4 Restatements of information	Not applicable
	2-5 External assurance	Not applicable
	<b>2. Activities and workers</b>	
	2-6 Activities, value chain and other business relationships	Company profile
	2-7 Employees	Talent development
	<b>3. Governance</b>	
	2-9 Governance structure and composition	Organizational structure
	<b>4. Strategy, policies and practices</b>	
	2-26 Mechanisms for seeking advice and raising concerns	Compliance operation
	2-27 Compliance with laws and regulations	Compliance operation
	2-28 Membership of associations	Promotion of industry development

	<b>5. Stakeholder participation</b>	
	2-29 Approach to stakeholder engagement	Sustainable development management
	2-30 Collective bargaining agreements	Talent development
GRI 3: Material Topics 2021	3-1 Process to determine material topics	Sustainable development management
	3-2 List of material topics	Sustainable development management
GRI 201: Economic Performance 2016	201-1 Direct economic value generated and distributed	Operating data

GRI 204: Procurement Practices 2016	3-3 Management of material topics	Sustainable supply chain
	204-1 Proportion of spending on local suppliers	Sustainable supply chain
GRI 205: Anti-corruption 2016	3-3 Management of material topics	Compliance operation
	205-2 Communication and training about anti-corruption policies and procedures	Compliance operation
GRI 206: Anti-competitive Behavior 2016	3-3 Management of material topics	Compliance operation
	206-1 Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Compliance operation
GRI 207: Tax 2019	207-1 Tax guideline	Operating data
GRI 302: Energy 2016	3-3 Management of material topics	Green energy and green factory
	302-1 Energy consumption within the organization	Green energy and green factory
	302-4 Reduction of energy consumption	Green energy and green factory
	3-3 Management of material topics	Green factory

GRI 303: Water and Effluents 2018	topics	
	303-1 Interactions with water as a shared resource	Green factory
	303-2 Management of water discharge-related impacts	Green factory
	303-3 Water withdrawal	Green factory
GRI 305: Emissions 2016	303-4 Water discharge	Green factory
	3-3 Management of material topics	Green energy and green factory
	305-1 Direct (Scope 1) GHG emissions	Green energy and green factory
	305-2 Energy indirect GHG emissions	Green energy and green factory
	305-5 Reduction of GHG emissions	Green energy and green factory
GRI 306: Waste 2020	305-7 Nitrogen oxides (NOX), sulfur oxides (SOX) and other significant air emissions	Green energy and green factory
	3-3 Management of material topics	Green factory
	306-1 Waste generation and significant waste-related impacts	Green factory
	306-2 Management of significant waste-related impacts	Green factory
	306-3 Waste generated	Green factory

	306-5 Waste directed to disposal	Green factory
GRI 401: Employment 2016	3-3 Management of material topics	Talent development
	401-1 New employee hiring rate and employee turnover rate	Talent development
	401-2 Benefits provided to full-time employees that are not	Talent development

	provided to temporary or part-time employees	
GRI 403: Occupational Health and Safety 2018	3-3 Management of material topics	Safety production
	403-1 Occupational health and safety management system	Safety production
	403-2 Hazard identification, risk assessment, and incident investigation	Safety production
	403-3 Occupational health services	Safety production
	403-4 Worker participation, consultation, and communication on occupational health and safety	Safety production
	403-5 Worker training on occupational health and safety	Safety production
	403-6 Promotion of worker health	Safety production
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Safety production
	403-8 Workers covered by an occupational health and safety management system	Safety production
	403-9 Work-related injuries	Safety production
403-10 Work-related ill health	Safety production	
GRI 404: Training and Education 2016	3-3 Management of material topics	Talent development
	404-2 Programs for upgrading employee skills and transition assistance programs	Talent development

	404-3 Percentage of employees receiving regular performance and career development reviews	Talent development
GRI 405: Diversity and Equal Opportunity 2016	3-3 Management of material topics	Talent development
	405-1 Diversity of governance bodies and employees	Talent development

GRI 406: Non-discrimination 2016	3-3 Management of material topics	Talent development
	406-1 Incidents of discrimination and corrective actions taken	Talent development
GRI 408: Child Labor 2016	3-3 Management of material topics	Talent development
	408-1 Operations and suppliers at significant risk for incidents of child labor	Talent development
GRI 409: Forced or Compulsory Labor 2016	3-3 Management of material topics	Talent development
	409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Talent development
GRI 410: Security Practices 2016	3-3 Management of material topics	Safety production
	410-1 Security personnel trained in human rights policies or procedures	Safety production
GRI 414: Supplier Social Assessment 2016	3-3 Management of material topics	Sustainable supply chain
	414-1 New suppliers that were screened using social criteria	Sustainable supply chain