

2022 Sustainable Development Report



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# **01.** ABOUT THE REPORT

Wuxi Suntech Power Co., Ltd. (hereinafter referred to as "Suntech", "Suntech Power", the "Company" or "We") intends to inform all our stakeholders of our values, vision, goals, actions and performance in the fields of corporate governance, economy, environment and society through the sustainable development report prepared in accordance with international standards and released on an annual basis.

Release date of first version: March 2019 Release date of previous version: April 2022 Release date of current version: April 2023

## **Reporting Standard**

This Report is prepared with reference to the Sustainable Development Reporting Standard (GRI STANDARDS 2021) issued by the Global Reporting Initiative.

# Scope of Report

The time range of this Report is from January 1, 2022 to December 31, 2022, and some data are beyond the above range due to the principle of continuity and comparability.

#### **Data Source**

The economic performance data of this Report is quoted from Suntech Power's 2022 annual report, which is consistent with the scope of consolidated financial statements. Suntech Power's 2022 annual report was independently audited by ShineWing. Unless otherwise specified, the amounts shown in this report are presented in RMB. The Report covers the battery plants and module plants of Wuxi Suntech Power Co., Ltd., and the specific scope of the information disclosed will be explained in detail in the Report.

### **Reporting Commitment**

This Report is compiled by Wuxi Suntech Power Co., Ltd. Suntech Power guarantees that the information contained in the Report is authentic and that the Report is free from 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, please refer to the Chinese version. This Report is published on the Company's official website at <a href="http://cn.suntech-power.com">http://cn.suntech-power.com</a>.

#### 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 CHAIRMAN OF BOARD



Suntech, as a world-renowned manufacturer of high-performance photovoltaic products, is devoted to the R&D and production of solar cells and modules. The Company has its sales areas spread all over more than 100 countries and regions in the world, with over 1,500 partners, and the cumulative historical shipments exceeded 40 GW.

Since its inception, Suntech Power has been committed to enhancing the R&D of new battery technology and improving the production process for 22 years, rendering constantly improved conversion efficiency of photovoltaic products, and ranking top ten around the globe in consecutive years in terms of the industrial chain scale.

In the past year, we, amid the national "carbon peaking and carbon neutrality" strategic goal, intensified efforts in capacity planning and built a 20 GW High-efficiency Module Zhang zhou Base to prepare ourselves for a potential broad market; remained committed to the industry, boosted enterprise development through innovation, developed products and tech nologies, and pioneered the mass production of 1 GW PEpoly technology TOPCon batteries and N-type high-efficiency modules; maintained close ties with partners and customers at home and abroad to seek mutual benefit and win-win results, and facilitated the global green environmental protection and sustainable development.

We actively fulfilled our social responsibilities, incorporated the concept of sustainable devel opment in every part of our operation and management, and took on multiple roles from a manufacturer of photovoltaic products to a practitioner of green energy, demonstrating the development course of the new energy sector.

We are always committed to improving product conversion efficiency, constantly strengthen ing the R&D of new technologies and the improvement of production processes, and, by virtue of our excellent technical strengths and manufacturing level, furnishing customers with quality and reliable photovoltaic products, thus becoming the most trusted PV enterprise.

Faced with the increasingly fierce market competition, we embrace changes, actively boost management reform, introduce full-cost control and refined management, enhance our core

competitiveness, and improve our global pattern and localized sales service system following the market concept of "Global & Local".

Suntech Power leads the industry with innovative technologies. We have a first-rate global research team made up of top-tier R&D personnel with a spirit of innovation and teamwork within the global photovoltaic sector. It's the strategic goal of Suntech Power to enhance photoelectric conversion efficiency while cutting production costs. Realizing a fair-price grid connection and bringing solar energy into average people's homes has been Suntech's inexhaustible driving force for continuous innovation.

We uphold the cultural concept of "Humanity and Virtue for Perfection", and actively practice the mission of "solar powering a green future", developing green energy and promoting environmental improvement. We always abide by the concept of compliance operation and facilitate the sustainable development of all human society through our own sustainable development.

Shuiyun WANG

Chairman of Suntech Group

# **03.** YEAR 2022

#### SUSTAINABLE DEVELOPMENT PERFORMANCE

Since its inception, Suntech Power has actively its social responsibilities, incorporated the concept of sustainable development in every part of its operation and management, and took on multiple roles from a manufacturer of photovoltaic products to a practitioner of green energy, demonstrating the development course of the new energy sector.

The Company saw booming business in 2022 and played a positive role in economy, environment and society.

#### **Economic Performance**

Cumulative shipments exceed 2.6 GW

Annual operating income RMB 4,641,659,100

Net profit RMB 54.7316 million, up about 116% yoy

Tax revenue RMB 28.7 million

Employees wages, bonuses, allowances, housing accumulation fund and social insurance premiums RMB 149.15 million

#### **Environmental Performance**

Investment in environmental protection RMB 1.12 million Self-use photovoltaic power 2,806,200 kWh

#### Social Performance

•R&D investment accounted for 3.14%

R&D personnel accounted for 17.8%

Safety investment RMB 6.68 million

Additional commercial insurance for 100% employees

#### HONORS FOR SUSTAINABLE DEVELOPMENT

Since "SUNTECH" was awarded the title of "China Famous Trademark" in 2009, its photovoltaic (PV) module products were granted the export inspection exemption certificate by the General Administration of Quality Supervision, Inspection and Quarantine. "SUNTECH" has become an outstanding brand in the world PV field "Made in China" and won the respect and trust of global customers. The Company has also been highly recognized by all relevant parties and won many honors in terms of R&D innovation, green and low carbon.

Award winner	Award time	Name of honor/award	Awarding institution
Wuxi Suntech Power Co., Ltd.	Dec-22	Intelligent Manufacturing Demonstration Workshop of Jiangsu Province	Jiangsu Provincial Department of Industry and Information Technology & Jiangsu Provincial Department of Finance
Wuxi Suntech Power Co., Ltd.	Dec-22	Green factory of Jiangsu Province	Jiangsu Provincial Department of Industry and Information Technology
Wuxi Suntech Power Co., Ltd.	Nov-22	Top Ten Distributed PV Module Brands in China in 2022	Organizing Committee of Chinese Renewable Energy Conference & Exhibition
Wuxi Suntech Power Co., Ltd.	Nov-22	Ranking of Top10 PV Module Suppliers in the World in 2021-No.8	PV-Tech
Wuxi Suntech Power Co., Ltd.	Nov-22	BloombergNEF's Tier 1 list	Bloomberg New Energy Finance (BNEF)
Wuxi Suntech Power Co., Ltd.	Sep-22	Global Module Shipment Ranking in 2021- No.10	PV InfoLink
Wuxi Suntech Power Co., Ltd.	Aug-22	2022EUPD Italy	EUPD Research
Wuxi Suntech Power Co., Ltd.	Aug-22	2022EUPD United States	EUPD Research
Wuxi Suntech Power Co., Ltd.	Jul-22	Third Prize of Photovoltaic Technology of Jiangsu Photovoltaic Industry Association	Jiangsu Photovoltaic Industry Association
Wuxi Suntech Power Co., Ltd.	Jun-22	Xinwu 2021-2022 Environmental Contribution Award of Enterprise Environmental Protection Co-construction Project	Wuxi Xinwu Ecological Environment Bureau













Award winner	Award time	Name of honor/award	Awarding institution
Wuxi Suntech Power Co., Ltd.	May-22	Global Shipments List of Crystalline Silicon Photovoltaic Enterprises in 2021-No.8	Solarbe
Wuxi Suntech Power Co., Ltd.	May <b>-</b> 22	Top Performer in PVEL's 2022 PV Module Reliability Scorecard	PVEL (PV Evolution Labs)
Wuxi Suntech Power Co., Ltd.	Apr-22	Third Prize of Science and Technology Award of Jiangsu Photovoltaic Industry Association in 2021	Jiangsu Photovoltaic Industry Association
Wuxi Suntech Power Co., Ltd.	Apr <b>-</b> 22	2022EUPD Switzerland	EUPD Research
Wuxi Suntech Power Co., Ltd.	Apr-22	2022EUPD Netherlands	EUPD Research
Wuxi Suntech Power Co., Ltd.	Apr-22	2022EUPD Australia	EUPD Research
Wuxi Suntech Power Co., Ltd.	Apr-22	2022EUPD Middle East and North Africa	EUPD Research
Wuxi Suntech Power Co., Ltd.	Mar-22	2021 Achieving Sustainable Development Goals - Enterprise Best Practice Award	Global Compact Network China
Wuxi Suntech Power Co., Ltd.	Jan <b>-</b> 22	First Outstanding Enterprise Excellence Award for Green Development of Wuxi City	Wuxi Ecological Environment Bureau, Media Group, Federation of Industry and Commerce
Wuxi Suntech Power Co., Ltd.	Dec-20	First Prize of Science and Technology Award of Jiangsu Photovoltaic Industry Association in 2020	Jiangsu Photovoltaic Industry Association
Wuxi Suntech Power Co., Ltd.	Sep-20	Second Prize of Science and Technology Award of China Renewable Energy Society in 2020	China Renewable Energy Society
Wuxi Suntech Power Co., Ltd.	Apr-20	Third Prize of Science and Technology Award of Jiangsu Photovoltaic Industry Association in 2019	Jiangsu Photovoltaic Industry Association
Wuxi Suntech Power Co., Ltd.	Mar-20	Third Prize of Jiangsu Science and Technology Award in 2019	Jiangsu Provincial People's Government

#### SYSTEM CERTIFICATION

Suntech Power has passed ISO9001 Quality System, ISO14001 Environmental Management System, ISO45001 Occupational Health and Safety Management System, SA8000 Social Responsibility Standard and other system certifications. We boast mature technology, rich experience and good reputation in the design, manufacture, construction and maintenance of various large-scale solar photovoltaic grid-connected and independent power generation systems.

System abbreviation	System name	Certification authority
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	BCC Inc.
SA8000:2014	Social responsibility standards	SGS
IEC 62941	Terrestrial PV modules. Guideline for increased confidence in PV module design qualification and type approval	TUV NORD
/	Certificate of grade-2 enterprise in standardized safety production	Jiangsu Province Association of Work Safety

















# **04.** ABOUT SUNTECH

Founded in 2001, Suntech, as a world-renowned manufacturer of high-performance photo-voltaic products, is devoted to the R&D and the production of solar cells and modules. The Company has its sales areas spread all over more than 100 countries and regions in the world, with over 1,500 partners, and the cumulative historical shipments exceeded 40 GW.

Suntech Power is always committed to improving product conversion efficiency, constantly strengthening the R&D of new technologies and the improvement of production processes, and, by virtue of our excellent technical strengths and manufacturing level, furnishing customers with quality and reliable photovoltaic products, thus becoming the most trusted PV enterprise.

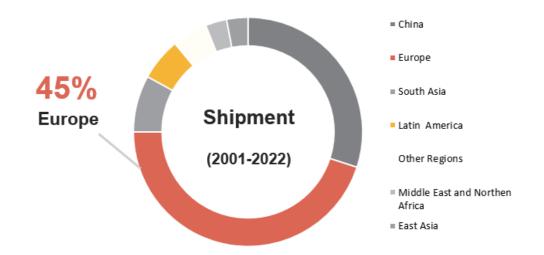


Suntech Power Chuzhou Base

#### SUSTAINABLE DEVELOPMENT PERFORMANCE

Thanks to its global presence, Suntech Power has seen increasing exports in recent years. By the end of 2022, the cumulative shipments of Suntech Power exceeded 40 GW. Upholding its original intention, Suntech will spare no effort to light up every corner of the world with the cleanest and most abundant solar energy resources.

#### Sales distribution chart



#### Diversified product categories

Suntech has a wide range of power modules, including Ultra S, Ultra V and Ultra X, which adopts batteries of 166 mm, 182 mm and 210 mm, respectively. As a brand-new upgraded model, the new Ultra V Pro series adopts N-type 182 mm silicon wafer and is furnished with more efficient TOPCon technology to replace the original Passivated Emitter and Rear Cell (PERC) technology, and its power generation benefit 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 and maximizes system output power. Through improved battery technology and selected packaging materials, Suntech Power modules have good Potential Induced Degradation (PID) resistance, and its outstanding battery technology and leading manufacturing technology render high conversion efficiency of modules.

#### Sound supply and service system

Suntech Power has been set up for 22 years and has established a perfect supply chain management system featuring abundant supply chain resources to effectively ensure supply security. It has maintained close ties with hundreds of material suppliers, with main materials from leading production enterprises, and reached strategic cooperation with major suppliers to facilitate supply. The downstream entities of the Company are mainly engaged in large-scale ground power stations and distribution business. The former is owners of large power companies at home and abroad or project general contractors, and the latter has a perfect dealer system in many countries around the world.

Faced with the increasingly fierce market competition, Suntech Power embraces changes, actively boosts management reform, introduces full-cost control and refined management, enhances its core competitiveness, and improves its global pattern and localized sales service system following the market concept of "Global & Local".

#### From manufacturing to intelligent manufacturing

Suntech Power actively realizes automatic production and optimizes production capacity. The module factory is equipped with an advanced fully automated equipment production line and a top-level automated elevated warehouse, which meets the production requirements of various advanced technologies and realizes the transition from manufacturing to intelligent manufacturing. Suntech owns the most advanced business platform. By using advanced enterprise management series software systems, such as System Analysis and Program (SAP) and Enterprise Resource Planning (ERP), Suntech achieves real-time interaction, real-time planning, real-time execution, real-time reporting and analysis, and realizes uninterrupted innovation. The newly built 2 GW digital TOPCon intelligent production line in 2022 meets the mass production of 182 mm (compatible with 210 mm), and the efficiency of single crystal battery exceeds 25%.

#### **OPERATING DATA**

During the reporting period, the Company achieved a total operating income of RMB 4,641,659,100, down 14% yoy; an operating net profit of RMB 4,816,900, up 101% yoy; a total profit of RMB 54.7361 million, up 116% yoy; a net profit attributable to shareholders of RMB 54.7361 million, up 116% yoy.

Item	Y2020	Y2021	Y2022
Total operating income (RMB 10,000)	497,739.71	542,644.50	464,165.91
Net profit (RMB 10,000)	-31,227.75	-33,879.52	5,473.16

Y20	20	Y202	21	Y2022		
Output value (RMB 10,000)	Year-on- year growth	Output value (RMB 10,000)	Year-on- year growth	Output value (RMB 10,000)	Year-on- year growth	
502,600.49	-30%	552,902.80	9%	624,938.10	13%	

#### Tax administration

In daily business operations, the Company complies with the requirements of relevant tax laws and regulations, and implements

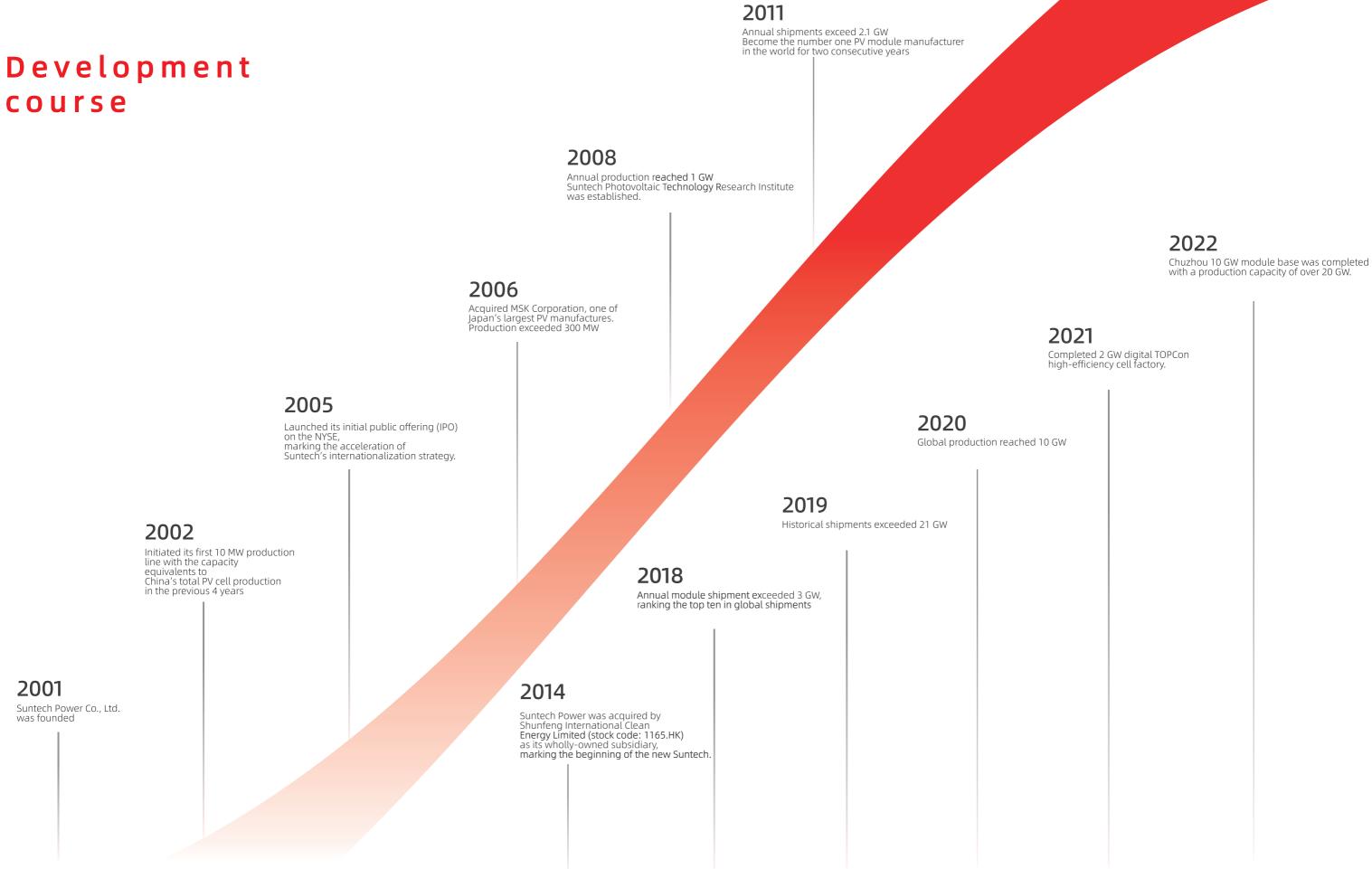
Y20	20	Y20	21	Y2022		
Tax paid (RMB 10,000)	Year-on- year growth	Tax paid (RMB 10,000)	Year-on- year growth	Tax paid (RMB 10,000)	Year-on- year growth	
4,106.02	-22.91%	2,065.64	-49.69%	2,780.94	34.63%	

relevant national tax policies. The Company implements tax risk management according to the actual situation, and the Finance Department is responsible for tax risk warning, regular monthly tax risk self-examination and risk control as needed. As a supervision means of tax administration, the Company employs accounting firms to conduct tax audits on an annual basis.

#### **DEVELOPMENT COURSE**

- 2001 Wuxi Suntech Power Co., Ltd. was founded in Wuxi, China.
- 2002 Suntech initiated its first 10 MW production line with the capacity equivalents to China's total PV cell production in the previous 4 years.
- 2005 Suntech launched its initial public offering (IPO) on the NYSE as the first China's solar company, marking the acceleration of Suntech's internationalization strategy.

- 2006 Suntech acquired MSK Corporation, one of Japan's largest PV manufactures and its production capacity expanded to 300 MW.
- 2008 Annual production capacity reached 1 GW. Suntech Photovoltaic Technology Research Institute was established.
- 2011 Annual production capacity reached 2.4 GW, and 2.1 GW modules were shipped worldwide, which made Suntech the biggest PV module supplier for two consecutive years.
- 2014 Suntech was acquired by Shunfeng International Clean Energy Limited (stock code: 1165.HK) as its wholly-owned subsidiary, marking the beginning of the new Suntech.
- 2016 The conversion efficiency of Suntech PERC single crystal high-efficiency battery exceeded 21.31%.
- 2017 Suntech Soleasy Energy Co., Ltd. was established; Suntech black silicon battery achieved mass production.
- 2018 Annual module shipment exceeded 3 GW. A customer service center was set up in Europe.
- 2019 Suntech's cumulative historical shipments exceeded 21 GW.
- 2020 Suntech's annual module capacity exceeded 10 GW.
- 2021 Suntech completed 2 GW digital TOPCon high-efficiency cell factory.
- 2022 Chuzhou 10 GW module base was completed with a production capacity of over 20 GW.



# *05.*

# **HUMANITY AND VIRTUE FOR PERFECTION**

The SDGs that this chapter responds to

Formulated policies and systems regarding honest business management, carried out honest business culture construction, training and education, and strengthened internal control management; communicated and cooperated with different stakeholders.

#### **CORPORATE CULTURE**

Suntech regards "Humanity and Virtue for Perfection" as its cultural gene, and regards its contribution to society and the promotion of sustainable development of mankind as its pursuit.

The "Humanity" we advocate was inspired by the Analects of Confucius. The Analects state, "humanity means that one must stand firm before helping others to stand up, and one must develop well before helping others to develop." To "Advocate Humanity" means that we advocate humanity, and we value humanity. These values require Suntech employees to help others to stand in society while, at the same time, stand on their own feet in society. They accomplish this through their assiduous efforts and by helping others to succeed, while they pursue their own successes. They not only love their fellow human beings, but they also respect nature by taking good care of the earth. Suntech employees not only contribute to the present, but they also take responsibility for our future sustainable development.

The "Virtue" we value was inspired by the Book of Changes: "Heaven is energetic, so too, a gentleman should likewise continue with his own self-improvement. The earth is thick, so likewise, a gentleman should carry the world with virtue." It is a lofty realm that regards virtue as the basis for living in this world. This requires Suntech employees to regulate their behaviors with lofty virtue; to treat and serve others with lofty conduct.

#### **Suntech Mission**

Solar powering a green future.

#### **Suntech Vision**

Through continuous innovation and excellent management to become the most trusted PV company.

#### **Suntech Values**

The seven values of Suntech determine and guide our work conduct every day. These principles contribute to the sustainable development of both individuals and the company. Every Suntech employee must follow these principles in their everyday work.

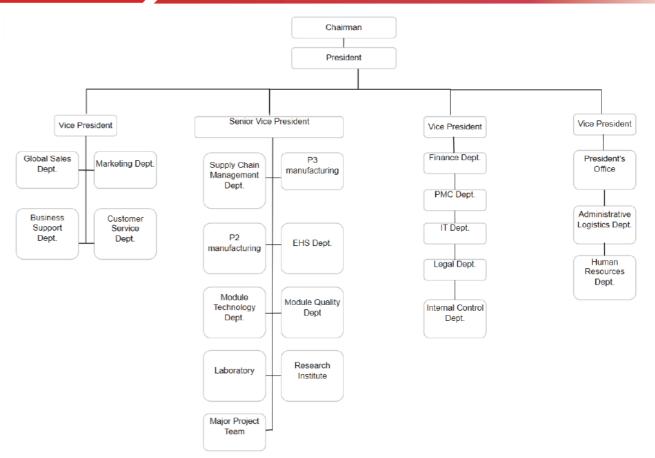


The initial letters of the above seven phrases make up SUNTECH. We must act in accordance with these seven values and principles to ensure the continuous success of Suntech in the highly competitive global market, while at he same time, provide a bright future for Suntech employees.

Seeing the future	Without a clear vision, we would not be able to achieve success today, let alone realize it in the future. We firmly believe that "preparedness ensures success, while unpreparedness guarantees failure." Looking into the future, by planning for the road ahead, we keep one step ahead of others.
Uniting all members	The strength of Suntech lies in its united employees. We believe that only through cooperation are we able to succeed. We work together to achieve our common goal of benefiting mankind.
Never giving up	We believe in the power of perseverance. We always emphasize the importance of hard work and advocate for a spirit of holding on, through setbacks, until the very end. In the face of difficulties and setbacks, we keep hope alive, and we respond optimistically.
Taking on responsibility	Our responsibility cannot be put on others. We are taking on heavy responsibility while the way ahead is still long. We must be responsible for our own conduct and work results. We need to perform our job duties to the fullest, while working dutifully and responsibly to complete the company's mission and objectives.
Excellence in conduct and performance	Excellence is our eternal pursuit. We value performance and results. We are committed to the pursuit of high quality and performance. We strive to do everything well.
Continuous innovation	The life of our business is highly dependent on innovation. We respect innovation, pay attention to improving personal ability and quality, constantly challenge the status quo and test new things, and make continuous improvements that benefit our customers and company.
High integrity all the time	There is nothing quite as important as integrity. We base our entire business on integrity, to build a more trustworthy image and a better brand. We uphold integrity and trustworthiness in everything we do.

#### **ORGANIZATION CHART**

Wuxi Suntech Power Co., Ltd. is the sole shareholder of Jiangsu Shunfeng Photovoltaic Technology Co., Ltd. The Company has 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 is the legal representative of the Company, representing the Company and signing various documents of the Company. The board meeting shall be convened at least once a year, and upon written proposal by one third of the Directors to the Chairman, the Chairman shall convene an interim meeting of the Board of Directors. The Company shall have one supervisor appointed by shareholders, and no director, president or other senior management personnel of the Company shall concurrently serve as the supervisor. The President and Vice President are employed or dismissed by the Board of Directors, organizing and leading the daily operation and management of the Company.



Company Organization Chart

#### SUSTAINABLE DEVELOPMENT MANAGEMENT

Adhering to the mission of "solar powering a green future", Suntech Power develops green energy, promotes environmental improvement, complies with compliance operation requirements, and boosts the sustainable development of all mankind through its own sustainable development.

The Company has set up EHS Committee, Energy Saving Management Group, Environmental Protection Management Group, Carbon Inventory Management Group and Social Responsibility Performance Group, which are responsible for the sustainable development of different modules, communicate with different stakeholders and continuously improve the sustainable development performance of the Company.

#### Join the United Nations Global Compact

The Company has joined the United Nations Global Compact (UNGC) since 2021. As a member enterprise of UNGC, it always abides by ten principles and commitments in the fields of human rights, labor, environment and anti-corruption in its strategy and operation, practices a sustainable and inclusive development model, and pursues long-term benefits for the environment and society.



#### Stakeholder participation

The stakeholders of Suntech Power's sustainable development include shareholders, customers, employees, suppliers and other partners, government, community and non-governmental organizations. The Company prizes the expectations of stakeholders and its business departments are responsible for communication and exchange with various stakeholders, constantly improving the communication mechanism, and enriching communication channels to safeguard long-term interests and sustainable development ability. In light of the influence and dependence on each other, 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	Main concerns	Communication channel	Docking department		
	Sustainable profitability	Board meeting			
Shareholders	Corporate governance	Quarterly report	President's Office, Marketing Dept.		
	Information disclosure	Annual report  Daily communication	- '		
	Quality products and services	Satisfaction survey			
Customers	Supply chain guarantee	Customer return visit	Customer Service Dept., President 's		
	Carbon emission reduction	High-level exchange visits and meetings	Office		
		Daily communication			
	Protect their legitimate rights and interests	Sign a labor contract			
Employees	Salary and welfare guarantee	Rationalization proposal	President's Office, Human Resources		
Employees	Health and safety	Workers' congress	Dept.		
	Career development	Service hotline			
		Manager's mailbox			
		Performance interview			
	Transparent purchasing	Sign an agreement or contract			
Partners such as suppliers	Integrity performance	Technology sharing and training	Supply Chain Management Dept., Module Quality Dept., and Module		
raitileis sucii as supplieis	Win-win cooperation	Communication meeting	Technology Dept.		
	Enhance ability	Regular visits	reermotogy Dept		
		On-site audit High-level exchange visits			
	Promote local economic	Government official website policy			
	development	acquisition			
	Pay taxes in accordance with the law	Receive government documents			
Governments	Promote employment	Environmental protection, safety production, fire protection, employment, taxation and other compliance supervision and inspection	President 's Office, Marketing Dept., EHS Dept.		
	Legal operation	Participate in regulatory regulation seminar or symposium			
	Safety production Energy saving and emission reduction				
	Protect the environment	Participation in community activities			
	Help the community development	Love foundation			
Communities, NGOs		Promote environmental education	President's Office, Marketing Dept.		
		Public welfare activities			
		Organize a visit to the Company's low- carbon concept pavilion and enterprise pavilion			

#### Analysis of substantive issues

The Company communicates with key stakeholders through various communication channels, understands their concerns, brings together various departments to discuss the concerns of stakeholders, and identifies various issues related to the Company. They will analyze the impact from two dimensions: "Impact on the realization of the Company's sustainable development goals" and "Impact on economy, environment and people", and sort out four types of issues that demand extremely high attention, high attention, moderate attention and general attention from Suntech, as shown in the following figure.

#### sustainable development goals High Impact on Compliance management, business Carbon emission reduction, pollutant management, R&D ethics innovation, customer service. product quality and safe the realization Moderate Intellectual property protection, Product carbon footprint, salary information security, training and and welfare, employee rights development, employee care, resource and interests, occupational health, supplier management, sustainable procurement General Public welfare of the Company Moderate High General Extremely high attention Moderate attention High attention General attention

Impact on economy, environment and people

To accurately identify the direction of sustainable development management and effectively allocate sustainable management resources, the Company reviews the differences between key points of sustainable management in the current year and previous years on an annual basis, so as to facilitate the preparation of the annual plan of sustainable development in the current year. 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.

#### SUSTAINABLE DEVELOPMENT MANAGEMENT

#### **BUSINESS ETHICS**

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.

The Company adopts a "zero tolerance" attitude towards any form 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 accordance with the laws and regulations regarding honest business practices, the Company has formulated policies and systems related to honest business management, and issued and implemented a range of internal systems such as Reporting Management System and Reward and Punishment Regulations. The Internal Audit Department establishes a sound anti-fraud mechanism, identifies targeted areas, key aspects and main measures of anti-fraud work, and gives due care to and inspects potential fraudulent acts during the audit process.

The Company has formulated the Internal Audit Management System, and the Internal Audit Department regularly and irregularly conducts internal audits of the Group, branches and subsidiaries (including but not limited to sales, procurement, operating conditions and engineering projects, etc.), and irregularly conducts outgoing audits of key positions. In view of the problems found in the audit process of each project and the suggestions put forward, the Internal Audit Department will communicate with the management and relevant departments, and supervise the rectification and implementation of relevant departments.

The Company has established an Informer Management System to encourage all employees to report orally or in writing, and any business partner and third party can also make reports. The Company promises to protect the privacy of informers and avoid any form of retaliation. 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 Internal Audit Department will make a preliminary assessment of the type of report and the scope of investigation, and then carry out specific investigations. If necessary, the Internal Audit Department can form a special investigation team with the Legal Department, Human Resources Department and other relevant departments of the Company. Based on the results of the investigation, the Internal Audit Department evaluates the remedial measures and communicates the results to internal and external third parties as necessary. In 2022, there were no reported incidents related to corruption in the Company.

Reporting hotline: +86-510-8531-8008

Report e-mail whistleblower@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 reiterates anti-corruption requirements. New employees must accept training on honest business practices and anti-corruption-related regulations and reporting mechanisms when they join the Company, and personnel of positions that are prone to higher corruption risks must sign honest business practice agreements. In 2022, the Company organized a training on "Honest Business" Practices and Anti-corruption", with a total of 138 participants.

#### INTERNAL CONTROL MANAGEMENT

To strengthen the internal control management, reduce operational risks, ensure asset integrity and safety, and facilitate the orderly and efficient operation of production and operation activities, Suntech has set up an Internal Control Department. The Internal Control Department is responsible for formulating internal control management system, system and related processes; preparing and issuing the Authorization Approval Form, optimizing the system process authorization approval system, constantly improving the internal control system and process management, and enhancing the institutionalized management of the Company. According to the requirements of the internal control management system, the Internal Control Department organizes the supervision and inspection of the internal control implementation of key control points; evaluates and reviews the Company's risk management system, and strengthens the compliance guidance for the Company.

#### INFORMATION SECURITY

Information security management policy:

Safety first, prevention first, equal emphasis on management and technology, comprehensive prevention.

The Company strictly abides by the requirements of information security laws and regulations such as the Network Security Law of the People's Republic of China, Data Security Law of the People's Republic of China and Personal Information Protection Law, and has formulated relevant systems such as IT Information Security Management Strategy, IT Application System Disaster Recovery Management Specification, IT Information Security Management Specification and Computer Virus Daily Protection Specification, so as 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.

Every year, the Company conducts disaster recovery drills, organizes information security training for key positions, provides information security publicity on various topics such as information security knowledge and network security protection, guides employees to actively practice the information security management system, and improves employees' awareness of the necessity of information security management. There was no information security incident in the Company in 2022.

# **PURSUE EXCELLENCE**THROUGH CONSTANT INNOVATION

The SDGs that this chapter responds to	9 产生、気管和 8 信用工作和 12 急責任 17 保油目标实现的 分弁支系
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.

#### **R&D INNOVATION**

Suntech Power leads the industry with innovative technologies. We have a first-rate global research team made up of top-tier R&D personnel with a spirit of innovation and teamwork within the global photovoltaic sector. It's the strategic goal of Suntech Power to enhance photoelectric conversion efficiency, while cutting production costs. Realizing a fair-price grid connection and bringing solar energy into average people's homes has been Suntech's inexhaustible driving force for continuous innovation.

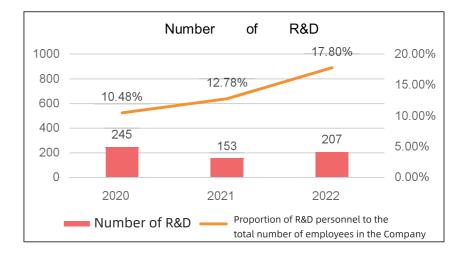
Innovation is an important driving force for Suntech's high-quality development. The Company integrates innovative ideas into daily operation and management, continuously increases R&D investment, builds high-quality R&D teams, and promotes industry-university-research cooperation to promote the common development of the industry.

	Milestones of product development
2014	Mass production of three-grid conventional polycrystalline batteries and modules
2015	Mass production of anti-PID conventional polycrystalline batteries and modules
2016	Mass production of four-gate conventional polycrystalline batteries
2010	Mass production of conventional polycrystalline 1,500V modules
2017	Mass production of five-gate polycrystalline batteries
2017	Mass production of double glass modules
2018	The efficiency of polycrystalline PERC battery reached 20.1% in mass production
2016	Mass production of polycrystalline PERC half-cell assembly
2019	Mass production of 158.75 PERC half-cell MBB modules, with the power of 60 modules reaching 375 W
2020	Mass production of 166 half-cell assembly
2021	Mass production of 182 single crystal PERC half-cell module, with a module power of 555 W
2022	Mass production of N-type TOPCon batteries, with an efficiency reaching 24.5%
2022	Mass production of TOPCon modules, with a power reaching 580 W

#### **R&D MANAGEMENT**

Suntech Power has continuously strengthened the R&D of new technologies and the improvement of production processes, improved the efficiency of product conversion, actively advocated the concept of "continuous innovation", formulated rules and regulations such as the Award System for Science and Technology Projects, Award System for Scientific and Technological Achievements and Implementation Measures for Golden Ideas and Suggestions, established an evaluation mechanism and incentive mechanism conducive to innovation, encouraged employees to innovate in their posts, actively shared their "golden ideas", and linked performance with income, which stimulated employees' enthusiasm for innovation. Every year, the Company invests over 3% of its main business income in technology research and development, continuously improves photoelectric conversion efficiency, and develops and improves photovoltaic cell materials.

ltem	2020	2021	2022
R&D investment amount (RMB 10,000)	16094.55	16548.99	14582.28
Proportion of R&D investment to operating income	3.23%	3.05%	3.14%



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.

#### [Case] R&D projects won awards

The Company has continuously developed high-efficiency and low-cost crystalline silicon solar cell research and development projects, and has successively won many honors at the national, provincial and municipal levels:

- In 2020, the project "Industrialization Technology of Stable and Efficient Rear Passivated Half-Cell Solar Cell Module" won the first prize of Jiangsu Photovoltaic Science and Technology Award
- In 2020, the project "Industrialization Technology of High Power and Low Attenuation PERC Half-chip Modules" won the second prize of Science and Technology Progress Award issued by China Renewable Energy Society
- In 2021, the project "High Efficiency and High Reliability All-Black Aesthetic Building Integration Module" won the third prize of Jiangsu Photovoltaic Science and Technology Award
- In 2022, the project "R&D and Industrialization of High Efficiency Crystalline Silicon Passivated Contact Solar Cells" won the third prize of Jiangsu Photovoltaic Science and Technology Award

#### INDUSTRY-UNIVERSITY-RESEARCH COOPERATION

Supported by Jiangsu (Suntech) Institute for Photovoltaic Technology, and taking national postdoctoral program and provincial postgraduate program as talent training platforms, the Company has established long-term, stable and sustainable cooperation in talent training, production, education and research with universities, tackled key problems in scientific research and undertook some government projects. As a director unit, the Company joined the Photovoltaic Recycling Industry Development Cooperation Center of the Photovoltaic Committee of China Green Supply Chain Alliance, actively led the formulation of photovoltaic industry standards, and participated in international, national and industry standardization organizations.

#### [Key Performance]

By the end of 2022

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



Jiangsu (Suntech) Institute for Photovoltaic Technology was built to improve the ability of scientific and technological innovation. By virtue of the strengths of Suntech and domestic and foreign scientific research institutions, three research centers have been set up: Solar Cell Research Center, PV Module Research Center and Photovoltaic Product Testing Center. Meanwhile, a management center has been established to carry out scientific and technological management and services.

#### Industry-University-Research Cooperation Projects in Recent Three Years (Part)

#### **Cooperation with Jiangsu University**

Developed key technologies and systems of high-power and low-cost solar PV modules

#### **Cooperation with Southeast University**

Carried out research on diagnosis and analysis technology of defects such as hot spots and cracks of PV modules

#### Cooperation with Jiangnan University

Carried out research on the utility and reliability of photoinduced hydrogen regeneration of crystalline silicon solar cells

#### Cooperation with Zhejiang University of Technology

Carried out research on the key technologies and applications of efficient and precise preparation of suede micro-texture of crystalline silicon solar cells

#### PRODUCT TESTING CENTER

Suntech Photovoltaic Product Testing Center has an indoor testing laboratory with an area of about 3,200 m2 and an outdoor testing site with an area of about 3,000 m2, and has four functional laboratories dedicated to performance testing, safety testing, environmental testing and material testing.

The laboratory has a variety of cutting-edge detection equipment, such as pulse and steady-state solar simulator, several walk-in environmental experiment boxes, ultraviolet damp-heat comprehensive aging boxes, static/dynamic mechanical loads, hail tester, EL (Electroluminescence) and high-precision infrared camera, which can detect and evaluate all indicators of PV module quality and performance. With fourier transform infrared, differential scanning calorimeter (DSC), vulcanizer, water permeability tester and other high-precision testing equipment, the laboratory can quickly detect and evaluate the performance of raw materials.

#### [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 witness photovoltaic testing laboratory recognized by UL in China's photovoltaic industry.
- In December 2009, the laboratory won the Test Data Acceptance Program (TDAP) certificate authorized by VDE and became a witness photovoltaic testing laboratory approved by VDE 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 largest number of projects declared and passed in China.
- In May 2010, the laboratory became the first batch of factory laboratories in China that won the Golden Sun Certificate issued by China General Certification Center.
- In January 2012, the laboratory was the first to be awarded a certificate by Canadian Standards Association (CSA) in China's photovoltaic industry.

- In February 2012, the laboratory was the first to obtain VDE Junction Box Witness Laboratory Certificate in China's photovoltaic industry.
- In February, 2017, the laboratory passed the expanded certification of CNAS IEC 61215:2016 and IEC6 1730:2016 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.







#### PARTICIPATION OF INDUSTRY ASSOCIATIONS

The Company actively promotes cutting-edge scientific and technological exchanges in the photovoltaic industry and leads the innovation and development of the industry. 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" to participate in the development and exchange promotion of photovoltaic-related industry standards.

Company name	Name of association	Character
Wuxi Suntech Power Co., Ltd.	China Photovoltaic Industry Association	Executive Director
Wuxi Suntech Power Co., Ltd.	China New Energy Chamber of Commerce	Vice President
Wuxi Suntech Power Co., Ltd.	Jiangsu Photovoltaic Industry Association	Vice President
Wuxi Suntech Power Co., Ltd.	Jiangsu Provincial Renewable Energy Industry Association	Executive Vice President
Wuxi Suntech Power Co., Ltd.	China Renewable Energy Council (Wuxi)	Vice President
Wuxi Suntech Power Co., Ltd.	China Chamber of Commerce for Import and Export of Machinery and Electronic Products	Member
Wuxi Suntech Power Co., Ltd.	German Chamber of Commerce in China	Member
Wuxi Suntech Power Co., Ltd.	Wuxi Xinwu District Federation of Industry and Commerce	Vice President
Wuxi Suntech Power Co., Ltd.	Asian Photovoltaic Industry Association	Vice Chairman of the Executive Committee
Wuxi Suntech Power Co., Ltd.	Jiangsu Chamber of International Commerce	Vice President
Wuxi Suntech Power Co., Ltd.	China Information Industry Trade Association	Member
Wuxi Suntech Power Co., Ltd.	Photovoltaic Recycling Industry Development Cooperation Center	Director unit
waxi Sumeen i ower co., Etd.	of Photovoltaic Committee of China Green Supply Chain Alliance	Director unit

#### 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 2022

963 patent applications

621 authorized patents obtained

271 valid patents

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

Patent Award and Wuxi Patent Award.

#### Systematic management

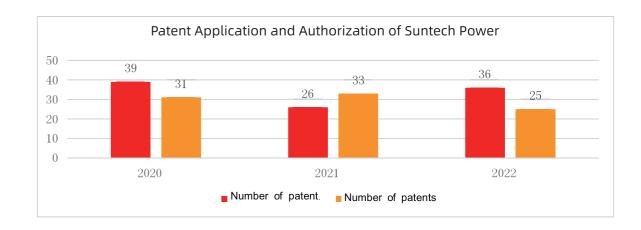
The Company has passed the certification of GB/T 29490-2013 Intellectual Property Management System, and realized the systematic management of intellectual property activities in R&D, procurement, production and sales. The Company has formulated and implemented the Intellectual Property Manual, and makes detailed requirements from the aspects of management policy, system requirements, resource management, operation control, contract management, inspection, analysis and improvement, etc.; introduced the Intellectual Property Acquisition Control Procedures and Patent Management Regulations and other regulations, including promoting the accumulation of intellectual property assets, strengthening patent risk management and control, and rewarding patent innovation. guidance for the Company.

#### Infringement risk management

Infringement risk includes two aspects: infringement and being infringed. The Company prevents and responds to intellectual property disputes according to the intellectual property risk analysis and early warning mechanism. The Company designates the Legal Department to work with the Institute to strengthen the identification, evaluation and prevention of intellectual property risks, and all relevant departments are responsible for assisting in the collection of intellectual property risk information to prevent enterprise infringement and infringement risks.

#### Intellectual property training

The Company values the cultivation of intellectual property protection awareness, and provides relevant training for employees for a long time to enhance each employees intellectual property protection and creation awareness. In 2022, the Company conducted two trainings on the theme of "Patent Mining Application and Intellectual Property Protection" for employees in technology research and development-related positions, with a total of 27 participants.



# [Case] The Company's patent "Structure to Reduce Black Wires on the Rear of Passivated Emitter and Rear Cells" won many honors

In recent years, the serious optical and electrical losses on the rear of conventional screen-printed batteries have become the bottleneck restricting the further improvement of battery efficiency. Passivated Emitter and Rear Cell (PERC) structure can greatly reduce the rear electrical recombination rate and form a good internal optical rear reflection mechanism.

The Company independently developed a structure to effectively reduce black lines on the rear of PERCs, improve the series resistance of cells, and greatly improve their conversion efficiency. Meanwhile, it can effectively improve the image brightness of cells under photoluminescence or electroluminescence detection equipment, which is safe and reliable, and has significant value for reducing the power cost.

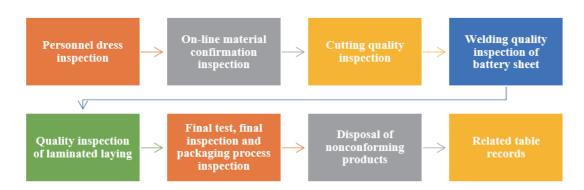
With this invention, the Company has won the TW Diamond Award (2016) in the 10th SNEC Photovoltaic Exhibition, the GW Gold Award (2017) in the 11th SNEC Photovoltaic Exhibition and the Excellence Award (2019) in the 11th Wuxi Patent Award.

#### **QUALITY MANAGEMENT**

Quality is the core competitiveness of Suntech Power, and the Company always insists on using reliable materials and advanced technology to produce high-quality solar modules. The Company has a professional customer service team, with "Global & Local" as the core market concept, and constantly improves its global layout and localized sales and service system.

#### **QUALITY ASSURANCE**

Under the premise of strictly abiding by the Product Quality Law of the People's Republic of China, the Company provides products that meet customer requirements and establishes good cooperative relations with customers on a continuous and stable basis. The Company has established a quality management system, passed ISO9001 certification, and formulated processes such as Module Product Design and Development Control Procedures, Product Life Cycle Control Procedures, Module Process Inspection Operation Instruction and Nonconforming Product Control Procedures, and implemented quality control in the whole process from product planning to production delivery.



Flow chart of module process inspection operation

#### Product design and development

In the design and development process, the Company, according to the Module Product Design and Development Control Procedures and other processes, urges the Quality Department, Module Technology Department, Module Technology Department, Finance Department, Purchasing Department, EHS and other departments to control the whole process of early planning of crystalline silicon solar cell module products, so as to ensure that the Company's module products can meet the development needs and expectations, and meet the requirements of relevant quality, product safety and environmental protection laws and regulations and relevant technical standards.

#### Procurement of raw materials

In the procurement process, the Company pays attention to the quality control of suppliers and raw materials. In the supplier introduction stage and audit stage, the Company conducts strict screening and comprehensive inspection through tools such as Supplier Questionnaire, Supplier Self-assessment Form and Product Quality Preliminary Evaluation Form to ensure that the incoming material quality meets the requirements of the state, the market and the Company.

#### Packaging, storage and transportation

In the process of packaging, storage and transportation, the Company also standardizes the management of product packaging and labels through operational instructions such as Work Instructions for Appearance Shipment Inspection of Module Packaging, Work Instructions for Standard Module Packaging and Work Instructions for Packaging, Storage and Transportation of Modules to ensure that products are not damaged.

#### **Disposal of nonconforming products**

The Company defines the handling responsibilities of unqualified raw materials, semi-finished products and finished products through the operation guidance such as Non-conforming Products Control Procedures, so as to ensure that unqualified products are identified and controlled to prevent their unexpected use. Unqualified products are disposed of as follows: Unqualified raw materials, unqualified semi-finished products or finished products, unqualified shipment inspection and poor storage, are handled respectively, and all kinds of unqualified products are under closed-loop management through departmental cooperation.

#### **CUSTOMER SERVICE**

In the procurement process, the Company pays attention to the quality control of suppliers and raw materials. In the supplier introduction stage and audit stage, the Company conducts strict screening and comprehensive inspection through tools such as Supplier Questionnaire, Supplier Self-assessment Form and Product Quality Preliminary Evaluation Form to ensure that the incoming material quality meets the requirements of the state, the market and the Company.

#### Global after-sales service mechanism

Suntech Power always pays attention to customer needs, forms a global after-sales service mechanism by setting up after-sales service outlets in key sales markets, and increases local after-sales personnel in key markets to improve the timeliness of handling after-sales problems and the effectiveness of communication. It has established local service outlets in Europe, Australia, Japan, India, Egypt and South Africa.

The Company has established product installation, operation, operation and maintenance regulations, and released product installation supervision videos in the official website. Customers can scan the QR code on the provided installation manual to obtain the installation videos. To respond to customer needs, the Company can also provide on-site training regarding installation, operation and operation and maintenance. In case of any quality problems within the scope of warranty, the Company will offer treatment schemes such as replacement, maintenance, or compensation; and will also extend the warranty period according to customer needs.

In the EU region, Suntech cooperates with local service agencies (such as Take-e-away, Electraco, ERP) to provide scrap disposal services so that customers can comply with local regulations.

#### **Customer satisfaction survey**

We constantly understand customers' satisfaction with the Company, collect customers' opinions and suggestions, understand customers' concerns, and improve the overall service level and brand image of the Company. We actively and quickly respond to customers' demands, actively establish contact with customers, visit customers regularly, and maintain good cooperative relations. The Company formulates Customer Satisfaction Control Procedures, and regularly conducts customer satisfaction surveys including product quality, sales process, transportation delivery, quality assurance after-sales, marketing, technical support, adverse accident statistics and other dimensions.



The Company formulates Customer Complaint Handling Procedures, which requires timely response to customer complaints and effective handling within the specified time. The Company will analyze the specific causes of the problem and draw up the treatment measures. Upon completion of the rectification of the improvement measures, the Quality Department will send the improvement evidence to the customer to confirm the closure status and ensure that the problem is effectively solved. In 2022, there was no major customer complaint incident in the Company.

#### PRODUCT CARBON FOOTPRINT

Suntech regards reducing the carbon footprint of products as an integral part of its strategy. Through the evaluation and targeted improvement of the carbon footprint of products, it can reduce the greenhouse gas emissions of products and enhance the competitiveness of products.

In 2017, the Company has carried out the verification of product carbon footprint, selected some product models of Vem series, Wem series and Wew series, and conducted the carbon footprint certification from door to door according to the requirements of ISO 14040:2006, ISO 14044:2006 and PAS 2050:2011.

# **07.** GREEN, LOW CARBON AND SUSTAINABLE DEVELOPMENT

The SDGs that this chapter responds to	6 Clean water and sanitation  11 Sustainable and communities  13 Climate action 7 Economical and applicable clean energy
Main actions	Implement the use of green energy; introduce environmental management system; carry out greenhouse gas inventory; enhance energy-saving transformation and water recycling; promote the reduction of source waste and the recycling of end waste; legal disposal and discharge of three wastes.

#### **GREEN ENERGY**

Suntech Power, as a time-honored photovoltaic enterprise with a history of more than 20 years, has always focused on the research and development and production of solar cells and modules, taking "solar powering a green future" as its corporate mission, and spared no effort to light up every corner of the world with the cleanest and most abundant solar energy resources in nature. By the end of 2022, Suntech Power's cumulative shipments exceeded 40 GW.

Year	Battery output (MW)	Module output (MW)
2020	1138.718	2305.469
2021	54.57	1824
2022	270.94	1879.82

Note: Due to the upgrading of the production line of the battery factory in 2021, the output decreased





#### **ENVIRONMENTAL MANAGEMENT**





Suntech Power advocates the use of green energy, optimizes energy consumption structure, and applies the green concept to buildings and equipment. It has built a large number of photovoltaic power generation equipment including photovoltaic curtain wall, photovoltaic carport and solar street lamp.

# [Case] Building Integrated PV

The Company completed Suntech Ecological Building at the end of 2008, took the lead in implementing Building Integrated PV (BIPV), and won multiple awards such as Jiangsu Green Building Demonstration and National Renewable Energy Building Application Project. The Building uses solar curtain wall modules as power generation units, with a photovoltaic curtain wall area of 6,900 m² and a total installed capacity of 1.01 MW, which was the largest single photovoltaic curtain wall system in the world at that time. The photovoltaic system can not only provide 80% stable power output for the whole building, but also supply power to the power grid, contributing to relieving peak voltage pressure. In 2022, the annual power generation of the photovoltaic system in the Building reached 435,000 kWh, which is equivalent to reducing carbon dioxide emissions by 248.08 tons.

In addition, the Building also adopts ground source heat pump air conditioning to comprehensively utilize geothermal energy. By drilling holes to a depth of 100 meters underground, the huge heat and cold storage capacity of shallow strata is skillfully utilized, and the heat is

transferred from underground to the Building in winter, and then the underground cold energy is transferred to the Building in summer, forming a cold and heat cycle and reducing the electricity consumption of air conditioners.



Summary of Photovoltaic Power Generation of Suntech Ecological Building from 2020 to 2022

Year	Annual power generation (10,000 kWh)	Carbon dioxide emission reduction (tCO <sub>2</sub> )
2020	40.63	247.88
2021	40.70	236.47
2022	43.50	248.08

Note: The power emission coefficient comes from the average emission factor of the national power grid of the Ministry of Ecology and Environment of China in that year.

## **GREEN FACTORY**

To facilitate environmentally sustainable development, the Company builds and promotes environmental management system and cleaner production system, and formulates a series of strict rules and regulations to be implemented. In response to the national strategic development goal of "carbon peaking and carbon neutrality", the Company actively carried out greenhouse gas inventory and implemented energy management measures, and constantly explored energy-saving and emission-reduction technologies and methods to improve environmental performance and cleaner production. During the

#### CARBON EMISSION REDUCTION

The Company adheres to green and low-carbon development as the main axis of operation, establishes greenhouse gas control procedures, sets up a carbon verification management team, conducts greenhouse gas inventory work every year from 2021, issues the Greenhouse Gas Inventory Report, entrusts a third party for verification, and obtains ISO14064 verification statement.

Scope	Unit	2021	2022
Scope I (direct emissions)	tco2eq	1061	1706.55
Scope II (indirect emissions)	tco2eq	23512	48490.92
Total	tco2eq	24573	50197.47

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

Suntech Power actively promotes the construction of energy management system, establishes energy-saving management institutions, appoints leaders of various departments as energy-saving leaders of their own departments, and arranges special personnel to serve as energy-saving administrators in departments; improves the system of energy procurement and approval, energy production management, energy measurement and statistics, energy measuring instrument management, energy consumption quota and management, etc.; and customizes all kinds of energy consumption and utilization ledgers and reports. During the reporting period, the Company passed ISO50001 certification, which improved the energy management level and ensured energy management compliance.

Photovoltaic curtain wall, photovoltaic carport and solar street lamp are installed in the factory area to optimize the energy consumption structure. At the same time, 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.

Energy saving projects in 2022	Main energy saving measures	Annual electricity saving (kWh)	Carbon dioxide emission reduction (tCO <sub>2</sub> )
Adjustment of production gas supply	The pressure of compressed air for production is adjusted, the air supply pressure is adjusted from 6.8 kg to 6.6 kg, the daily electricity consumption before adjustment is 17,832 kWh, the daily electricity consumption after adjustment is 17,296 kWh, and the daily electricity consumption is saved by 536 kWh.	195640	111.57
Reduce energy consumption of water station	Taking advantage of the geographical advantages of the wastewater station, the Company makes the water flow enter the second-level fluoride removal treatment from top to bottom after the first-level fluoride removal treatment is completed, which reduces the energy consumption of the water station and saves 132 kWh of electricity consumption every day.	48180	27.48

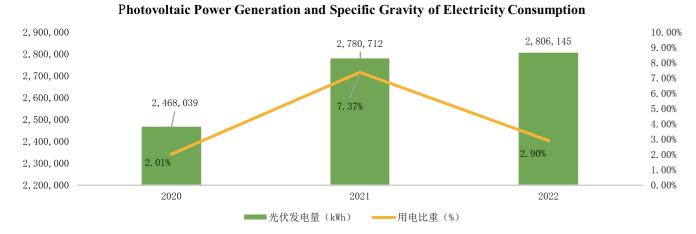
Note: The power emission factor is taken from the average emission factor of the national power grid in that year.

Under the perfect energy management system and advanced energy conservation and emission reduction measures, the Company has achieved good results in reducing consumption. The energy consumption statistics of Suntech Power Wuxi Factory from 2020 to 2022 are as follows:

Category of energy consumption	Unit	2020	2021	2022
Diesel	L	36800	6600	0
Natural gas	Nm³	264971	41412	2872
Purchased power	10,000 kWh	12304.57	4384.127	8502.70
Photovoltaic	10,000 kWh	246.8	278.07	280.62

Note 1: The energy statistics range includes battery factory and module factory of Suntech Power Wuxi Factory.

Note 2: In 2022, the Company's production line was upgraded, and diesel oil was no longer used. Natural gas was canceled in the production process, and only canteen natural gas was available.



Note 1: At present, Suntech Power's green power sources are all its own photovoltaic power generation equipment.

Note 2: In 2021, the production line of the battery factory was reconstructed, and the total electricity consumption decreased and the proportion of green electricity increased

#### **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. The Company issued and implemented the Responsibility System for Pollution Prevention and Control, and set up an environmental protection working group with the vice president as the first responsible person for environmental protection and the senior manager of the safety department as the second directly responsible person for environmental protection, and formed an environmental protection working group with four team members to carry out overall management, implementation, supervision and coordination of various environmental protection work, so as to promote the organic unity of economic benefits, social benefits and environmental benefits.

The Company discloses environmental information according to law, accepts social supervision, completes the submission of implementation reports in time according to the requirements of pollutant discharge permits and other relevant laws and regulations, regularly fills in environmental protection information on platforms such as ecological environment statistics business system and enterprise environmental information disclosure system according

to law, and truthfully discloses the actual use or discharge of raw and auxiliary materials, products and three wastes. During the reporting period, the total expenditure on environmental protection investment was about RMB 8.12 million, including an environmental tax of RMB 34,061.59 and environmental liability insurance of RMB 40,000. There were 0 environmental violations, 0 environmental complaints, 0 environmental pollution accidents, 100% discharge rate of "three wastes" and 100% legal disposal rate of solid wastes.

# Key Performance-2022

Environmental violations are 0

• The discharge rate of "three wastes" is 100%

Environmental complaints are 0

- The legal disposal rate of solid waste is 100%
- Environmental pollution accidents are 0

For employees, the Company conducts extensive publicity and training to familiarize employees with environmental protection, and make environmental protection become the daily code of conduct and responsibility of every employee. During the reporting period, 4 environmental-related trainings were held, covering more than 1,000 person-times.

#### WATER RESOURCES AND EMISSIONS

The water resources used by Suntech Power come from municipal water and purchased reclaimed water. The Company continues to manage water saving, controls the total water consumption, improves the water consumption mode, finely controls the water consumption in the process by optimizing the process, improving the quality and efficiency, and improving the equipment in the production process, and establishes a recycling water mechanism for the production links with low water quality requirements to improve the recycling rate of water resources.

Item	2020	2021	2022
Fresh water intake (tons)	485040	154492	548173
Purchased reclaimed water quantity	280360	48670	263314
(tons)	200000	-13370	200014

Note: Due to the upgrading of the production line of the battery factory in 2021, the figures of that year decreased.

Main water saving measures	Annual water saving (tons)
Purchased reclaimed water reuse  The Company's production wastewater is discharged to Deppel, and then reclaimed water is recycled in a ratio of 1: 1. The annual water saving is equal to the production wastewater.	263314
Condensed water reuse  The factory is equipped with 8 new fans, which need to be operated for 4 months throughout the year. Each new fan produces 3 tons of condensed water in one hour. Through equipment improvement, the Company takes over the condensed water for reuse, saving an average of 70 tons of water every day and about 2,100 tons per month.	8400
Reuse of fluorinated water  Using fluoride-removing water in the later process instead of tap water to prepare lime agent, 50 tons of water need to be added every day, and 1,500 tons of tap water can be saved every month.	18000

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. The main sources of industrial wastewater are production wastewater, laboratory wastewater, wastewater from water system maintenance and overflow wastewater from acid mist exhaust gas tower spraying. Each department informs the facility department of the discharge type, quantity and discharge time in advance, and transports the wastewater to the wastewater station by special pipelines. When the wastewater reaches the standard after internal treatment, it is delivered to a third-party company for professional treatment and reuse. Sources of domestic sewage include toilet flushing sewage, washbasin sewage and canteen sewage, which are connected to local sewage treatment plants after treatment.

Factory	Category				
		COD	t/a	13.4818	0.844
		Ammonia nitrogen	t/a	0. 9526	0.087
	Domestic sewage	Total nitrogen	t/a	1. 5241	0.500
	Domestic sewage	Total phosphorus	t/a	0. 1905	0.065
		Animal and vegetable oils	t/a	1. 134	0.008
D-++		SS	t/a	7.67	0.287
Battery factory		C O D	t/a	173.0295	3.947
		Ammonia nitrogen	t/a	9. 1348	1. 238
	Industrial wastewater	Total nitrogen	t/a	27. 1345	2. 951
	industriai wastewater	Total phosphorus	t/a	2. 0972	0.009
		SS	t/a	157.2837	2.171
		Fluoride	t/a	8. 222	1.942
		CO D	t/a	41.9831	1.596
		Ammonia nitrogen	t/a	3. 1752	0.629
W. 1.1. C	D	Total nitrogen	t/a	5. 0803	0.827
Module factory	Domestic sewage	Total phosphorus	t/a	0. 635	0.106
		Anim aland vegetable oils	t/a	3.78	0.010
		SS	t/a	24.4949	1.022

Note: Industrial wastewater is not discharged in the process flow of the module factory.

To maintain the ecological balance and reduce the pollution of waste to the surrounding ecological environment, the Company formulates waste management control procedures and defines the responsible departments and operating procedures for the collection, storage, utilization and transfer of various wastes in accordance with the requirements of relevant laws and regulations such as the Law of the People's Republic of China on the Prevention and Control of Environment Pollution Caused by Solid Wastes, Directory of National Hazardous Wastes and Measures for the Administration of Hazardous Waste Transfer List.

The Company has set up a special hazardous waste warehouse to store hazardous wastes uniformly, and entrust a recycler with a corresponding qualification license to dispose of them every month. In 2022, the Company entrusted a third party to dispose of 134.06 tons of hazardous waste.

#### · Waste reduction at source and green recycling

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

Project case	Effect
Add liners for silica gel barrels	By requiring suppliers to add liners to silica gel barrels, the waste silica gel barrels without silica gel can be treated as general recyclable wastes, which can reduce about 120 tons of hazardous wastes every year.
Reduce the frequency of mineral oil replacement	Mineral oil is a liquid hydrocarbon mixture extracted from petroleum, and its main modules include alkanes, aromatic hydrocarbons, cycloalkanes, etc. It is widely used in the production of batteries and solar modules, and the waste mineral oil produced is harmful to the environment and human health. By reducing the frequency of mineral oil replacement and strictly controlling the output of waste mineral oil, the Company produced a total of 131.2849 tons in 2022, which was about 5% lower than that in 2021.
Packaging recycling	Suntech Power signed an agreement with chemical suppliers, and the used empty bottles and boxes of chemicals were transported back for recycling, which not only reduced the consumption of resources, but also avoided environmental pollution, contributing to environmental protection and cleaner production. According to the available statistics in 2022, a total of 96 alcohol barrels have entered the recycling cycle.

#### **EXHAUST GAS EMISSION REDUCTION**

The exhaust gas of Suntech Power Process mainly comes from the production exhaust gas and exhaust gas generated by the laboratory. The exhaust gas is uniformly collected to the exhaust gas purification tower through the exhaust pipe, and then discharged after treatment. The Company formulates the operation management control procedures of environmental protection devices and facilities, controls the exhaust gas generated in the production activities, products and services of the Company, monitors the waste gas emission online, and ensures compliance emission.

The Company's exhaust gas emissions are commissioned to a third-party testing agency for quarterly testing. Moreover, the Company conducts self-inspection on various indica-

Factory	Name of pollutant	Emission limit	Average emission concentration in 2022	Total amount control standard	Total emissions in 2022 (kg)
	N itrogen oxides	30	4	60781.7	216.7
	Hydrogen chloride	5	0.9	2552.8	78.5
	Chbrine	5	0.1	3472.2	6.9
Battery factory	Am m on ia	30	0.02	3670.5	1.0
	Fluoride	3	0	3728.6	0.0
	Non-methane total hydrocarbon	60	1.1	15463.4	77.8
	Particulate m atter (PM )	20	3.4	3807.5	798.0
	Particulate m atter (PM )	20	0.4	176.6	97.4
	Tin and its com pounds	5	0.00037	81.0	0.4
Module factory	Non-methane total hydrocarbon	60	6.56	17443.1	8.0
	Xylene		0.216	138.3	17.3

Note: The average emission concentration is calculated by adding the emission concentrations at the outlets of all exhaust pipes in the quarterly test report.

#### [Case] Organic Exhaust Gas Treatment System of Hazardous Waste Storage

In 2022, the Company invested a total of RMB 418,340 to add new exhaust gas treatment facilities to reduce the unorganized emission of organic exhaust gas from hazardous waste warehouses of Suntech Power's two factories and reduce the impact on the external environment. The exhaust gas treatment system adopts activated carbon with reasonable pore size distribution, small resistance and good adsorption performance, which can complete exhaust gas treatment at one time without secondary pollution, effectively save energy and reduce the operating cost of the system by about 30%.

#### [Case] Renovation of VOCs Treatment Facilities in Module Factory

During the reporting period, the module factory updated and upgraded the exhaust gas treatment equipment according to the exhaust gas working conditions and technical requirements, with a total investment of RMB 7.25 million. The new technology adopts the process route of "activated carbon adsorption + catalytic combustion + online desorption" and applies a new activated carbon adsorption material-honeycomb activated carbon, which can effectively reduce the replacement frequency of activated carbon, reduce the disposal cost of activated carbon and reduce the disposal cost of waste activated carbon.

#### NOISE MANAGEMENT

The exhaust gas of Suntech Power Process mainly comes from the production exhaust gas and exhaust gas generated by the laboratory. The exhaust gas is uniformly collected to the exhaust gas purification tower through the exhaust pipe, and then discharged after treatment. The Company formulates the operation management control procedures of environmental protection devices and facilities, controls the exhaust gas generated in the production activities, products and services of the Company, monitors the waste gas emission online, and ensures compliance emission.

The Company's exhaust gas emissions are commissioned to a third-party testing agency for quarterly testing. Moreover, the Company conducts self-inspection on various indicators of exhaust gas once a month, and monitors indoor air hazard factors once every six months. During the reporting period, the Company's exhaust gas emission test results were within the permitted range.

[Case] Installation of Muffler in Wastewater Station to Reduce Noise at Plant Boundary

In the wet process in the production process, the silicon wafer needs to be completely dried before being discharged. The drying tank is equipped with high-power fan and heating device, which will produce large noise and cause noise damage to production workers. By installing sound insulation cotton on the outer door panel of the fan, the noise is reduced to below 65 dB of the national industrial zone standard, and the problem of excessive noise is solved.

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



# PROTECTION OF EMPLOYEES' RIGHTS AND INTERESTS

Suntech Power has achieved comprehensive management in various stages of employee recruitment, employment, attendance, performance management, promotion, training and resignation by establishing a series of management systems such as Human Resources Control Procedure, and actively protected the rights and interests of employees during employment.

#### STANDARDIZE EMPLOYMENT

The Company has passed the SA8000 system audit, fully accepted the human rights review and evaluation, insisted on employing people according to law and compliance, built an open, fair and just talent management system, protected the legitimate rights and interests of employees, and always prevented all kinds of illegal employment.

## Key Performance-2022

- · No incidents of discrimination were found
- No complaints and incidents related to human rights such as child labor, discrimination and forced labor were found
- There was no disclosure of employee personal information

#### Elimination of discrimination

The Company strictly implements the Law of the People's Republic of China on the Protection of Women's Rights and Interests and the Law of the People's Republic of China on the Protection of Disabled Persons and other laws and regulations, and clearly stipulates in the Administrative Procedures for Prohibition of Discrimination and Disciplinary Measures that men and women receive equal pay for equal work and enjoy equal employment opportunities; the company shall not interfere with employees' right to believe in religious beliefs and customs; all threats, abuse, exploitation and forced sexual harassment are prohibited in the workplace of the company. During the reporting period, there were no incidents of discrimination

#### Caring for female employees

The Company strictly implements the Regulations on Labor Protection for Female Employees and the Regulations on Taboo Labor Scope for Female Employees, and implements special protection for female employees. Female workers and male workers enjoy the same and equal treatment and work rights. 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 shall give special protection to female employees during menstruation, pregnancy, childbirth and lactation according to law, and shall not arrange overtime work and taboo labor for female employees during pregnancy and lactation. For female workers who are pregnant for more than seven months and breast-feeding female workers, if they have difficulties in going to work, they can enjoy corresponding prenatal leave after their application and approval by the Company. Every year, the Company organizes all female employees to participate in the general survey and treatment of gynecological diseases and breast diseases, and establishes health records for female employees.

#### Prohibition of forced or child labor

The Company prohibits the employment of child labor, eliminates all forms of forced or compulsory labor, and formulates and implements a series of human rights protection systems and procedures in accordance with human rights standards such as the International Bill of Rights and the Declaration on Fundamental Principles and Rights at Work by the International Labour Organization (ILO), including "Management Procedures for Child Labor and Juvenile Workers", "Management Procedures for Prohibiting Discrimination and Disciplinary Measures", "Control Procedures for Prohibiting Forced Labor", "Management Procedures for Information Communication" and "Employees' Freedom of Association and Control of Right to Collective Bargaining". The location of

#### Child labor prevention measures

During recruitment, the Human Resources Department will review and confirm the identity information of the candidates to prevent the recruitment of child labor, and the department where the new employee works will re-check the identity documents of the new employee to prevent fraudulent use of other people's identity information

#### Remedial measures for child labor

In case of misuse of child labor, the Company will terminate the labor relationship with them immediately, help them continue to study, and provide certain study and living expenses. Meanwhile, the Company will report to the local labor department immediately, arrange health examinations, and bear possible medical expenses. Before they reach the age of sixteen, the Company will provide them with monthly financial assistance not lower than the local minimum wage.

#### Preventive measures for forced labor

Employees have the right to leave early, rest and vacation. The Company does not use prison labor and child labor, and the management personnel shall not abuse their powers to force others to work, and shall not detain employee certificates or collect employment deposits. Where any employee works overtime voluntarily, the overtime hours do not exceed the legal time. Employees can leave the Company freely after work.

#### Security training

The Company employs qualified external security teams according to law to be responsible for the safety of people and property in production and office areas, and conducts social responsibility training and safety training according to their power scope and work content. By the end of 2022, there were 34 security guards in the Company, all of whom were trained in social responsibility policies or procedures.

#### Trade unions and democratic management

The Company has set up a special post for employee relations, and special personnel will handle matters related to employees' rights and interests. Meanwhile, the trade union exercises supervision over the Company's employees' rights and interests protection actions, focuses on the legality and compliance of the Company's related behaviors, participates in the investigation of employees' complaints, and actively safeguards the legitimate rights and interests of employees by signing the Collective Contract and Wage Negotiation Agreement with the company on behalf of employees.

#### Prohibition of forced or child labor

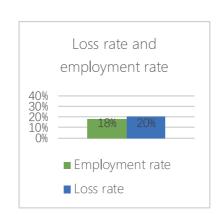
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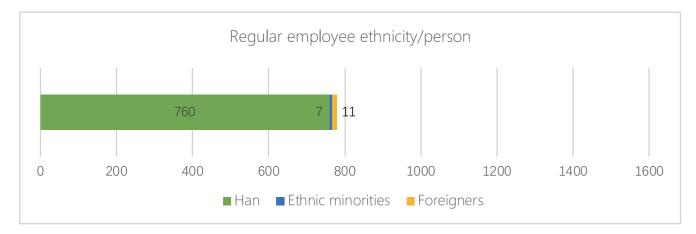
# TALENT STRUCTURE

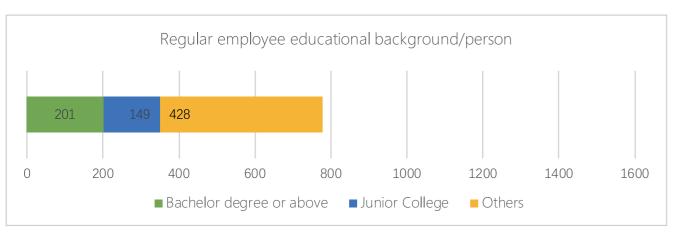
Talent is the foundation of the Company's development. Suntech attracts outstanding talents through an excellent employer brand, warm corporate culture atmosphere and self-improving work value. By the end of 2022, the Company had 778 regular employees, of which 38.6% were female employees. During the reporting period, there were 138 new employees, with an employment rate of about 18%.







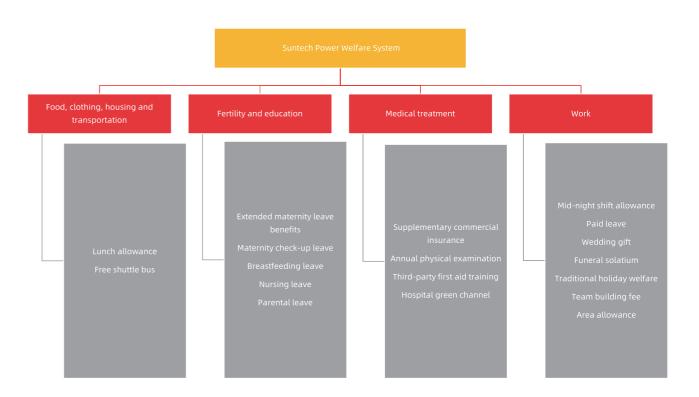


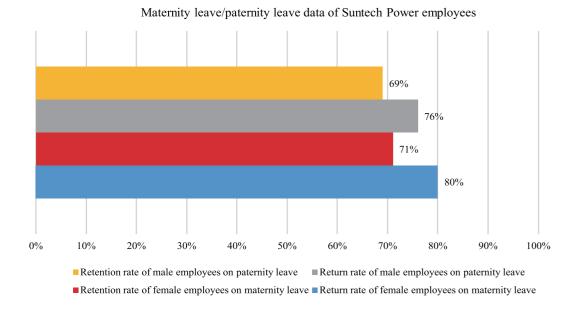


## **EMPLOYEE BENEFITS**

We strictly abide by national and local laws and regulations, formulate a salary management system based on the strategic development needs of the Company, and provide employees with multi-level welfare protection on the basis of paying basic social security fees in full and on time, so as to improve their quality of life and enhance their enthusiasm and sense of belonging.

The Company provides employees with competitive salaries and bonuses, regularly improves the salary, and follows the salary principle of equal pay for equal work for men and women. The minimum wage of all employees is higher than the local minimum wage level. The Company provides maternity leave and paternity leave for employees according to the requirements of laws and regulations, and creates an equal and harmonious working environment for employees. The Company's welfare benefits cover all employees (including retired employees), while providing more protection for special groups. During the reporting period, retirees of the Company also enjoyed retirement medical treatment according to law.





## Key Performance-2022

- Employee coverage rate of additional commercial insurance (including outpatient, inpatient, major illness and accidental injury insurance) is 100%
- A total of RMB 202,915 for employees' physical examination was paid.

# CAREER DEVELOPMENT

The Company attaches great importance to the training and development of skilled talents,

#### Recruitment system

The Company adheres to the principles of open recruitment, equal competition and matching of people and posts, and does not discriminate against job seekers because of their nationality, race, nationality, religious belief, political opinion, marital status, gender, age, etc. The Company recruits according to the Regulations on the Administration of Recruitment and Employment. Applicants must meet the legal age and hold legal identity certificates. Under the talent attraction policy of Wuxi City and Xinwu District of Wuxi City, the Company provides a salary structure superior to the industry average, and is equipped with a perfect dual-channel development path of promotion, rotation, competition and career, as well as the annual outstanding individual development and reward mechanism.

#### Talent reserve scheme

The Company carries out campus recruitment in spring and autumn, and participates in online special air presentations for high-tech enterprises in Xinwu District of Wuxi City and on-site job fairs for offline universities.

#### Competition for management positions

The Company makes up the vacancy of department head through internal competition.

In 2022, a total of two departments issued internal open competition notices.

#### Sales team recommendation and recruitment

With the Company's intensified efforts in overseas sales business and rising demand for overseas and local sales talents, the Company encourages employees to recommend talents for sales, technical support and business support positions at home and abroad.

In 2022, the Company recruited overseas sales talents in an unified manner and restarted the overseas operation of the employer brand.

#### Promotion system

Suntech identifies strengths of each employee and ensures that each employee maximizes his talents in the most suitable position, so as to make good use of talents. The Company has formulated the Promotion Management Regulations and Performance Management Regulations and other systems, which stipulate the performance evaluation, development channels and job promotion of employees after entering the Company. The Company has formulated customized career development paths for different talents, realizing the upward development channels of management, technology, function and marketing, and improving various skills of employees through rotation, post setting and internal examination and selection, activating organizational vitality and achieving a win-win situation between employee development and company strategy.

#### Staff training

To improve the quality and work efficiency of employees, develop and enhance skills and knowledge, help employees play their functions in the operation of the Company, and stimulate their self-development, the Company has formulated the Training Management Regulations, established a systematic training system and employee development system, so as to comprehensively enhance the ability of employees at all levels and provide high-quality talents for the sustainable development of the Company.

#### Internal training

Make training plan and carry out all kinds of internal training, including pre-job training for new workers, internal training for departments and cross-department training.

Implement tutorial system to help new employees familiarize themselves with the environment and work.

Make internal trainer incentive plan and carry out TTT training.

. .

Carry out special training to improve employees' professional skills, such as team leader training camp.

Actively encourage employees to participate in various skills, qualifications and management training, and bear relevant learning expenses.

#### External training

Join the Human Resources Industry Association and enjoy the training resources and exchange opportunities in the industry.

Cooperate with training schools, develop industry evaluation standards, carry out skill level identification, and cultivate PV module manufacturers.

Arrange special operations personnel to participate in initial training and retraining regularly to meet the production and operation needs of the Company.

# Key Performance-2022

- 100% of employees receive regular performance and career development reviews
- A total of RMB 202,915 for employees' physical examination was paid.

# [Case] Develop the Evaluation Standard for PV Module Manufacturing Industry with Multiple Parties to Train Industry Talents

As the first photovoltaic enterprise in Jiangsu Province with the qualification of "PV module operator", the Company has set up a compilation team together with Huishan Zhongyuan Vocational Training School and Wuxi Municipal Bureau of Human Resources and Social Security Appraisal Center. After careful research and discussion, the preparation team finally developed and formed the Evaluation Standard for PV Module Manufacturing Industry, which was successfully released after passing the review. This Standard puts forward comprehensive level regulations on the theoretical knowledge and skill requirements of employees, aiming at continuously improving the skills and theoretical knowledge level of employees, and serving as the basis for carrying out vocational education and training of PV module manufacturers and appraising and evaluating talents' skills.



#### [Case] First-line Team Leader Training Camp

The team is the constituent "cell" of the enterprise's development and continuous transformation, and the team leader is the link between the enterprise and front-line employees. To build and train gold medal team leaders, effectively stimulate the enthusiasm and creativity of employees, enhance cohesion and competitiveness, and promote the common development of the Company and its employees, the Company set up Wuxi Suntech 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. The team leader can improve his professional quality by studying the corresponding theme courses in the above six stages.





#### **EMPLOYEE CARE**

#### Employee exchange

The Company attaches importance to two-way and transparent communication with employees, and actively creates a sound communication environment. The Company has set up special posts in Human Resources Department, President's Office, Administration Department, Trade Union and other departments and organizations to enhance employee communication, review and assess the completion of related work quarterly and annually, and stipulated that all functional departments should try their best to help employees solve the difficulties 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 workers' congresses
- Provide communication platforms such as enterprise WeChat, IP phone, email address and bulletin board
- Performance interview, exit interview and other one-on-one interviews
- Set up rationalization proposal channels such as Xinyu Tree Hole and "Golden Ideas" suggestions





The Company has set up a number of Xinyu Tree Holes in the office area and published the QR code to facilitate feedback and suggestions between employees and the leadership, to understand employees' thoughts and improve their participation in Suntech's development and construction, so as to promote the better and sound development of Wuxi Suntech.

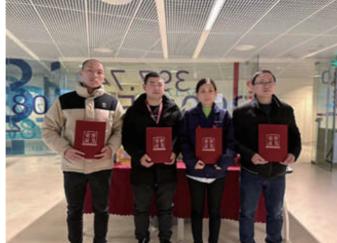
The Company promises to strictly protect the personal privacy of proposers and keep the personal information of all proposers confidential. The Company effectively implements the improve-

ment suggestions and provides material incentives to real-name proposers.

#### [Case] Employee's "Golden Ideas" Activities

Every quarter, the Company carries out employees' "Golden Ideas" activities, collects employees' ideas on corporate culture improvement, cost reduction and efficiency improvement, safety and environmental protection, and organizes their implementation. In 2022, the Company collected a total of 175 implementable golden ideas, including 10 A-level golden ideas, 53 B-level golden ideas and 112 C-level golden ideas. The Company gave gifts to employees with golden ideas at every level.





Representative Winners of "Golden Ideas"

#### Work-life balance

Suntech Trade Union is composed of employees in various positions. During festivals, the Trade Union will distribute benefits to members and organize various collective activities, which provides a good resource and platform for enriching employees' amateur cultural life.





Mid-Autumn Festival Party



New Year's Party



Management Concept Training

**Christmas Activities** 



"Suntech Little Dentist" Children's Day
Parent-child Activities



Farewell Party for Retired Employees

#### SAFETY PRODUCTION

Suntech Power firmly believes that ensuring production safety and employee health is the prerequisite for its smooth operation, abides by various laws, regulations and requirements during the operation process, and joins hands with distributors, customers and suppliers to achieve the following:

#### Health

Suntech Power is committed to labor protection in its business activities, so as to minimize the possible impact of occupational hazards on employees and stakeholders.

#### Safety

Suntech Power is committed to preventing harm from employees, contractors and visitors.

#### Whole process management of products

Suntech Power pays more attention to customers' expectations for the environmental health and safety of our products by implementing the whole process management of products.

#### SAFETY MANAGEMENT

Suntech Power has established and effectively operated an occupational health and safety management system, passed ISO45001 certification, and obtained Class 2 safety production standardization certificate. The Company establishes a safety management system with safety responsibility system as the core, and sets up a safety management committee, with the leader in charge of EHS as the chairman of the committee, the person in charge of EHS as the secretary-general of the committee, and the person in charge of each module and the employee representatives recognized by the trade union as members of the committee. 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.

#### Risk hierarchical management and control

Each department adopts LEC method to regularly identify, update and train the risk sources from the aspects of unsafe behavior of people, unsafe state of things, lack of management and environment, in a bid to implement the work of safety in production, improve the understanding of all employees to the risk sources on the operation site, and ensure that all employees can find the potential safety hazards in the operation area in time so as to address potential hazards in the bud in time.

#### Safety inspection and improvement

The Company strengthens safety production management, establishes a good safety production environment and order, discovers and eliminates risk factors in the production process in time, protects the safety and health of employees in the production process, and protects the property of enterprises from loss. The Company organized more than 1,000 investigations of different types of hidden dangers.

Inspection category	Number of times
Pre-holiday inspection	6
Management inspection	12
Blind area inspection	3
Special inspection	37
Early warning inspection	4
Daily safety inspection	1030





Monthly management inspection

Special inspection

#### **Key Indicators**

2022

3 work-related injuries recorded

No work-related injury with 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.

#### OCCUPATIONAL HEALTH

The Company formulates the Occupational Health Monitoring and Control Procedure, implements the policy of "putting prevention first and combining prevention with control", standardizes the occupational health monitoring process, establishes occupational health management plans and occupational health management files as required, fulfills the obligation of informing occupational health hazards, continuously carries out occupational health publicity, training and education, improves labor protection measures and continuously improves working conditions. Occupational health representatives regularly attend EHS meetings of the Company and track the work resolutions and work progress in time.

The Company identifies the occupational hazards of each post, regularly entrusts a qualified third party to test the occupational hazards in the workplace every year, and publicizes the test results and reports in the workshop. The Company's 2022 occupational hazard factor test report shows that the concentrations of dust and chemicals measured at each test point meet the requirements of occupational exposure limits. Due to process and equipment reasons, the noise intensity of some posts exceeds the standard. In this regard, the Company has adjusted the speed of the equipment to reduce the noise value, and required employees to wear anti-noise ear protection devices.

The Company arranges the employees who are exposed to occupational hazards to have pre-job, annual on-job and off-job occupational health examinations, and no occupational diseases occur. The Company is equipped with an infirmary, which seamlessly connects with Wuxi Ninth People's Hospital when unexpected situations need to be handled in time.

The Company establishes the post personal protective equipment (PPE) equipment standard, and conducts special inspection and training for employees to use PPE.

#### **Key Indicators**

Incidence of occupational diseases 0

#### SAFETY CULTURE AND CAPACITY BUILDING

In order to improve the safety quality of employees, strengthen their sense of responsibility for safe production, improve their consciousness of observing rules and regulations and labor discipline, enhance their legal concept of safe production, master the technical requirements of operation and the ability to prevent and deal with accidents skillfully, the EHS Department organized 21 safety trainings according to the annual training plan, covering first aid personnel training, chemical knowledge training, fire protection knowledge training, safety management personnel training, dual control mechanism training, occupational health training, etc.

The EHS Department conducts safety education and training for all construction personnel for different operations and projects, clarifies safety precautions and relevant regulations of the Company, and focuses on training for problems such as repeated hidden dangers and injuries on the construction site, thus enhancing the safety awareness of construction contractors.



#### [Case] "Safe Production Month" Activity

To implement the national safe production policy, respond to the national "Safe Environment Month" activity spirit, further enhance the awareness of safe production responsibility of all employees, consolidate the ideological foundation of safe production, and promote the sustained and stable development of safe production, the Company launched the "Safe Environment Month" activity, which covers safety publicity, safety inspection, knowledge training, safety knowledge contest, safety review, etc.

#### [Case] "Fire Protection Month" Activity

2022 marked the 31st Fire Protection Month in China. In response to the government's call, we actively carried out the "Fire Protection Month" in 2022, and conducted the publicity activities of the Fire Protection Month according to the theme of Fire Protection Month, "Enhancing Fire Safety and Ensuring High-quality Development".

- Fire protection publicity point
- Fire prevention publicity meeting
- Fire knowledge training
- Fire knowledge contest
- Popular science of fire protection
- Fire games
- Fire evacuation drills

#### **EMERGENCY MANAGEMENT**

The Company has established a three-level emergency plan system, including comprehensive emergency plans, 6 special emergency plans and 17 on-site disposal plans. The Company arranges employees to learn the contents of emergency disposal plans and conduct regular emergency drills to improve their emergency disposal ability and ensure their health and safety.

In order to improve the emergency response personnel's understanding of emergency plans and implementation procedures and practical operation skills, the Company organized 12 emergency drills in 2022, including fire fighting drills, chemical leakage drills, evacuation drills, limited space emergency drills, etc. After the drills, the drill effect was evaluated, which further improved the professional quality and ability of emergency response personnel.





Evacuation drill

Fire drill

The Company trained 75 qualified first responders, with a coverage rate of 15%. All departments are equipped with 29 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] Establishment of Emergency Response Team (ERT)

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 fire fighting knowledge, etc. After passing the training and examination, ERT members wear ERT armbands, obtain employment certificates and take up their posts.

In order to strengthen standardized management and arouse the enthusiasm of ETR members, the Company promulgated the Regulations on the Management of ERT Teams and the Instructions on Subsidies for ERT Team Members, and each ERT member was given a monthly RMB 150 subsidy according to the monthly assessment results.

#### 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

Preparation for new supplier introduction

New supplier introduction

Qualified supplier evaluation

The introduction of new suppliers needs to go through three stages: Introduction preparation, introduction and qualified supplier evaluation. The introduction preparation stage is mainly written data review, and suppliers are required to sign the Supplier Code of Conduct, Confidentiality Agreement, Supplier Questionnaire, Supplier Self-assessment Form, Supplier Questionnaire, SA8000 Supplier Risk Assessment Form, and the signing rate of raw and auxiliary materials suppliers with Class A and Class B importance is required to be 100%. In the introduction stage, the Company refers to the Control Procedure for the Import of New Materials in Battery 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, 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 appropriate, or entrust the nearest foreign branch to conduct on-site audits.

During the reporting period, the Company audited 23 suppliers, including 3 new suppliers and 20 in-store suppliers, all of which passed the audit. For improvement items, the audited suppliers shall provide improvement reports and improvement evidence, and confirm that the improvement is effective.

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", during the reporting period, the proportion of localized procurement reached over 90%.

#### **Key Performance**

2022

The signing rate of supplier code of conduct is 100%

23 suppliers were audited, including 3 new suppliers, and the pass rate was 100%

The proportion of localized procurement is over 90%

#### **CONFLICT MINERALS**

The Company formulates the Code of Business Conduct for Suppliers, which requires all suppliers to fully comply with the laws and regulations of their countries/regions in all their business activities. As the tin metal in the welding strip used as the raw material for production is conflict metal, the Company clearly stipulates the conflict mineral policy in the Supplier Business Conduct Code, requiring suppliers to conduct reasonable due diligence on their supply chain to ensure that tin metal produced from mineral conflict areas is not purchased or used, and requiring cooperative suppliers to sign the Conflict Mineral Reporting Template (CMRT) survey form and provide a complete statement. In addition, the Company encourages suppliers to become "conflict-free" suppliers to help environmental sustainability and human rights protection.

#### **COMMUNITY DEVELOPMENT**

Suntech Power is concerned with society and actively gives back to society. Since its establishment, it has continuously participated in social welfare activities, organized and participated in the "Walking Classroom" and solar environmental protection science popularization activities, the environmental protection public welfare activities of "Pursuing Sustainable Green Development", Photovoltaic Poverty Alleviation Power Station, a village-level demonstration project of Shuangliu Town, Yingshan County, Sichuan Province, Love Design Public Welfare Plan, donation of new energy logistics vehicles to "Home for the Disabled" in Liangxi District, and environmental protection joint action of "Crossing the Yangtze River Delta-Green Travel to See the World Expo". In the future, the Company will not forget its original aspiration, take on corporate social responsibility bravely, and continue to contribute to building a greener and more environmentally friendly society.



"Big Hands Holding Small Hands"

Project Promotion Meeting

[Case] "Big Hands Holding Small Hands" Enterprise Environmental Protection Co-construction

Suntech participates in public environmental protection education activities and assists in environmental protection management assistance for small enterprises. In 2022, the Com-

pany participated in the fifth batch of enterprise environmental protection co-construction projects held by Wuxi Xinwu Ecological Environment Bureau. As a "big hand" enterprise, it successfully drove the "small hand" enterprise to complete some improvements related to environmental protection.



[Case] "Walking Classroom" and Solar Environmental Protection Science Popularization Activities for Primary and Secondary School Students in Xinwu District In order to publicize the concept of green and low carbon and promote the knowledge of solar science popularization, Suntech launched the "Walking Classroom" and solar science popularization activities for primary and secondary school students in conjunction with Xinwu District Education Bureau on August 22-23, 2021, with more than 200 students and parents participating. The visit and study activities were divided into six batches, and the company representatives and receptionists gave primary and secondary school students a vivid

solar science lesson from the aspects of basic knowledge of solar energy, power generation principle and life application in easy-to-understand language. The teachers explained carefully and the students studied with an open mind, rendering a warm live Q&A session atmosphere. Through this activity, the students went out of the classroom, learned about a series of solar power generation products and the application of other low-carbon energy-saving products in life, and completed the popular science study from theory to practice.

## [Case] "Pursuing Sustainable Green Development" Environmental Protection Public Welfare Activities

On October 31, 2021, the Company organized star employees and outstanding employees to "Pursue Sustainable Green Development", and



encouraged everyone to "eliminate" garbage in the form of competition, so as to contribute their strength to the beautiful Taihu Lake and environmental protection. Through the activity, the Company enhanced the awareness of environmental protection of every employee and hoped that everyone can make concerted efforts to fulfill Suntech's green mission, let solar power a green future, and pursue sustainable green development!

### **09.** PROSPECTS

With brilliant results in the past, we will set sail for a brighter future. General Secretary Xi Jinping pointed out at the 20th National Congress that we should promote green transformation and development, actively and steadily promote carbon peaking and carbon neutrality, speed up the planning and construction of a new energy system, and promote the harmonious coexistence between man and nature.

In 2023, Suntech Power will have a 20 GW high-standard new intelligent module production base in the world, and adopt advanced digital factory solutions to realize equipment modernization, production automation and intelligent operation. We will always pioneer the technological innovation and development direction of the industry. In terms of module production, we will adapt to various advanced technology production requirements, and continue to provide global customers with various specifications of solar module products with high power, high quality, high performance and high reliability, especially N-type TOPCon modules.

In the future, Suntech Power will continue to expand its production capacity, stick to its quality and technology with ingenuity, serve every customer with efficient and reliable strength, and contribute to the early arrival of the "zero carbon" era. We will always safeguard the long-term interests and sustainable development capabilities of upstream and downstream of the industrial chain and partners, maximize the sustainable development role in economy, society and environment, and become the most trusted photovoltaic enterprise of customers through continuous innovation and excellent management.

We will work shoulder to shoulder to build our core competitiveness in an energetic, realistic and up-to-date manner, actively fulfill the low-carbon mission, and help realize the carbon peak and carbon neutrality goal as soon as possible!

## 10. INDEX OF INDICATORS

#### Index of GRI Standards 2021

Suntech reported the information cited in this GRI Index with reference to GRI standards from January 1, 20221 to December 31, 2022

GRI1 used

GRI 1: Foundation 2021

GRI standard	Disclosures	Chapter
	1. The organization and its reporting practices	
	2-1 Organizational details	About Suntech
GRI 2: General Disclosures 2021	2-2 Entities included in the organization's sustainability reporting	About the Report
	2-3 Reporting period, frequency and contact point	About the Report
	2. Activities and Workers	
	2-6 Activities, value chain and other business relationships	Company profile
	2-7 Employees	Protection of employees' rights and interests
	3. Governance	
	2-9 Governance structure and composition	Organization

GRI standard	Disclosures	Chapter
	4. Strategy, Policies and Practices	
	2-26 Mechanisms for seeking advice and raising concerns	Compliance operation
	2-27 Compliance with laws and regulations	Compliance operation
GRI 2: General Disclosures 2021	2-28 Membership of associations	Participation of industry associations
2.33333133 232	5. Stakeholder Participation	
	2-29 Approach to stakeholder engagement	Sustainable Development Management
	2-30 Negotiation agreements of Group	Protection of employees' rights and interests
GRI 3: Material Topics	3-1 Process to determine material topics	Sustainable Development Management
2021	3-2 List of material topics	Sustainable Development Management
GRI 201: Economic	3-3 Management of material topics	Operating data
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 standard	Disclosures	Chapter
GRI 207: Tax 2019	3-3 Management of material	Operating data
	topics	operating data
	207-1 Approach to tax	Operating data
GRI 301: Materials 2016	3-3 Management of material	Croon factory
	topics	Green factory
GRI 301. Materials 2010	301-3 Reclaimed products and	Curan factors
	their packaging materials	Green factory
	3-3 Management of material	Croop operay and groop factory
	topics	Green energy and green factory
CDI 202: Eporgy 2016	302-1 Energy consumption	Croop operay and groop factory
GRI 302: Energy 2016	within the organization	Green energy and green factory
	302-4 Reduction of energy	Croop operay and groop factory
	consumption	Green energy and green factory
	3-3 Management of material	Croon factory
	topics	Green factory
	303-1 Interactions with water as	Green factory
GRI 303: Water and	a shared resource	dieen factory
Effluents 2018	303-2 Management of water	Green factory
Elituelits 2016	discharge-related impacts	
	303-3 Water withdrawal	Green factory
	303-4 Water discharge	Green factory
	303-5 Water consumption	Green factory
	3-3 Management of material	Green energy and green factory
GRI 305: Emissions 2016	topics	
	305-1 Direct (Scope 1) GHG	Green factory
	emissions	
	305-2 Energy indirect GHG	Green factory
	emissions	
	305-5 Reduction of GHG	Green energy and green factory
	Emissions	
	305-7 Nitrogen oxides (NO <sub>x</sub> ),	Green factory
	sulfur oxides (SO <sub>x</sub> ) and other	
	significant air emissions	

GRI standard	Disclosures	Chapter
GRI 306: Effluents and Waste 2020	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 308: Supplier	3-3 Management of material topics	Sustainable Supply Chain
Environmental Assessment 2016	308-1 New suppliers that were screened using environmental criteria	Sustainable Supply Chain
GRI 401: Employment 2016	3-3 Management of material topics	Protection of employees' rights and interests
	401-1 New employee hires and employee turnover	Protection of employees' rights and interests
	401-2 Benefits provided to full- time employees that are not provided to temporary or part- time employees	Protection of employees' rights and interests
	401-3 Parental leave	Protection of employees' rights and interests
	3-3 Management of material topics	Safety production
GRI 403: Occupational Health and Safety 2018	403-1 Occupational health and safety management system	Safety production
	403-2 Hazard identification, risk assessment, and incident	Safety production
	investigation	
	403-3 Occupational health services	Safety production

GRI standard	Disclosures	Chapter
GRI 403: Occupational Health and Safety 2018	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
	3-3 Management of material topics	Protection of employees' rights and interests
GRI 404: Training and Education 2016	404-2 Programs for upgrading employee skills and transition assistance programs	Protection of employees' rights and interests
	404-3 Percentage of employees receiving regular performance and career development reviews	Protection of employees' rights and interests
GRI 405: Diversity and	3-3 Management of material topics	Protection of employees' rights and interests
Equal Opportunity 2016	405-1 Diversity of governance bodies and employees	Protection of employees' rights and interests
GRI 406: Non-	3-3 Management of material topics	Protection of employees' rights and interests
discrimination 2016	406–1 Incidents of discrimination and corrective actions taken	Protection of employees' rights and interests

GRI standard	Disclosures	Chapter
GRI 408: Child Labor 2016	3-3 Management of material topics	Protection of employees' rights and interests
	408-1 Operations and suppliers at significant risk for incidents of child labor	Protection of employees' rights and interests
GRI 409: Forced or Compulsory Labor 2016	3-3 Management of material topics	Protection of employees' rights and interests
	409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Protection of employees' rights and interests
GRI 410: Security Practices 2016	3-3 Management of material topics	Protection of employees' rights and interests
	410-1 Security personnel trained in human rights policies or procedures	Protection of employees' rights and interests
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
GRI 418: Customer Privacy 2016	3-3 Management of material topics	Compliance operation
	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	Compliance operation

# Stand the Test of Time