

LONGI



**CORPORATE SOCIAL
RESPONSIBILITY REPORT 2019**

REPORT DESCRIPTION

Report Brief Introduction

This report is LONGi Group's 3rd social responsibility report since 2018, as the first report issued in March 2018 and the second in April 2019. In line with the principles of objectivity, standardization, transparency, and comprehensiveness, this report discloses the practice and performance of LONGi in the field of economics, environment, social responsibility and governance from January 1, 2019, to December 31, 2019. In order to enhance the comparability and completeness, certain contents of this report cite contents of previous years for reference.

Scope of the Report

This report covers some subsidiaries of LONGi in the People's Republic of China and their production bases in the Federal Republic of Malaysia.

Report Criteria

The report is compiled on the core plan of *GRI Standards (2016)* by the Global Reporting Initiative and the content of *Guidelines for Environmental Information Disclosure of Listed Companies* of the Shanghai Stock Exchange and refers to the new edition of *Environmental, Social and Governance Reporting Guide* of Hong Kong Stock Exchange.

Data Sources

The data sources used in the report include relevant statistical reports of LONGi Group, public reports, press releases, third-party surveys or interviews, and public data of government departments, etc. The LONGi Group Board of Directors guarantees that there are no false records, misleading statements, or major omissions in this report.

Appellation of the Company

For the convenience of expression and reading, "LONGi Green Energy Technology Co., Ltd." in this report is also expressed as "LONGi Group," "LONGi," "Company," "The Group" or "We."

Access to the Report

You can download the Chinese and English versions of this report from the official website of LONGi Group at <http://www.longigroup.com>. You can also follow the official account of the LONGi Group to access the report.



The English version is a translation of the original in Chinese. In case of any discrepancy or ambiguity between these two versions, the Chinese version shall prevail.

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GROUP OUTLINE

Company Name in Chinese	隆基绿能科技股份有限公司
Company Name in English	LONGi Green Energy Technology Co.,Ltd.
Location of Headquarters	Xi'an City, Shaanxi province, China
Registration Date	February 14, 2000
Chairman	Zhong Baoshen
President	Li Zhenguo
Stock Exchange	Shanghai Stock Exchange
Stock Code	601012.SH
Abbreviation on Shanghai Stock Exchange	LONGi

KEY PERFORMANCE

ECONOMIC PERFORMANCE

	2017	2018	2019
Revenue (mln USD)	2310.6	3105.08	4645.62
Net profit attributable to shareholders (mln USD)	503.44	361.23	745.63
basic earnings per share (USD/share)	0.148	0.106	0.208
Total assets (mln USD)	4643.78	5600.53	8374.73
Weighted average Return on Equity(%)	30.14	16.71	23.93

ENVIRONMENTAL PERFORMANCE

	2017	2018	2019
Clean electricity used in production (kW·h)	/	680,883,403	1,757,609,814
Use percentage of renewable energy	/	33.61%	49.67%
Reuse percentage of water resources	/	41.98%	43.20%
Major environmental violations	0	0	0

SOCIAL PERFORMANCE

	2017	2018	2019
Total number of employees	17,702	21,056	32,873
Employee training (person-time)	-	381,914	460,410
Participation Rate of Labor Union	100%	100%	100%

MESSAGE FROM THE CHAIRMAN



In the past year, as the global upsurge of photovoltaic parity on-grid made electricity prices in China and abroad dropped to a new record low, China's PV industry has stepped into a brand new track for high-quality development. For LONGi Group, 2019 marked a crucial year for its accelerated global expansion and strengthened market competitiveness. The company maintained steady operation, which is centered on creating values for our customers. We actively adapted to the changes in the market and achieved significant sales growth for major products, and LONGi's overseas market expansion also achieved remarkable results. In the field of R&D, LONGi continuously broke key world records. The company also launched industry-leading new wafer products and module products. We accelerated the capacity expansion to ensure the supply of high-efficient monocrystalline PV products. It is estimated that by the end of 2020, LONGi will reach 75GW capacity for wafer and 30GW for module. The ambition, expanding LONGi's capacity by one and half times, will gradually come true.

Over the past 20 years since LONGi first established, we started with discovery & exploration to be committed to bringing clean energy for humanity with solar technology, LONGi has witnessed the magnificent development of

China's photovoltaic industry. Currently, LONGi Group is a multinational company with a global workforce of over 30,000 people, and market value exceeding 14.12 billion USD (¥100 billion). Our undertaking also goes beyond individuals, companies or even the industry. There's an old saying in China that we shall "walk with the wise, and work with the kind.", which tells us that we should walk alongside the people with wisdom and kindness on the way forward. We could see a series of issues brought by global climate warming, including rising sea levels, the extinction of species, and extreme weather, which seriously threaten the very survival of humanity and its development. There is no doubt that the most effective way to resolve climate issues is to realize the transition and substitution of traditional energy sources. For our precious earth, which we live on, this is an act of utmost kindness and wisdom.

As technology advances ceaselessly, PV power is playing a more outstanding role in effectively improving energy safety, tackling climate change issues and reducing environmental pollution, etc. It is the inevitable choice for a forward-looking global energy strategy and a goal of sustainable growth to develop photovoltaic power vigorously. In terms of climate change mitigation, solar power, as it becomes a more economical power source, is sure to become the best choice for balancing between climate change issues, energy supply, and economic development. In terms of market prospect, with the collective impact of climate change actions and energy transition, it is expected that over 1000 GW of new PV power capacity will be installed in the next 30 years. While periodic product updates will also bring significant replacement of existing PV products, which will become a sustained, multi-thousand-GW-level market. For technology route, high-efficient monocrystalline PV products will remain mainstream in the market in a certain period. There is still room for breakthroughs for the conversion efficiency of monocrystalline PV products. For the development strategy of the PV industry, distributed PV stations and household-use PV stations will bring new growth with great potential. And the Building-integrated PV products, or BIPV, also have a great prospect.

At the moment, the world energy system is undertaking some fundamental changes: electrification of energy consumption and cleanliness of power production. This trend will be strengthened. The global photovoltaic industry will continue to maintain good development.

momentum. The PV industry will embrace the transition from high-speed growth to high-quality growth. It is the technical capability, product quality, and the scale that will determine the future of a company. We firmly believe that LONGi Group and the PV industry will usher in a more promising future.

We will continue to create value for our customers as our starting point, improve the investment for technology R&D and optimize the company's innovation mechanism. We will practice the concept of green manufacturing and build a green supply chain. More importantly, we will innovate with our supply chain partners, integrate innovation resources and opportunities of the industry to create a supply chain eco-system, which will lead the technology improvement and industry upgrade for the whole PV industry.

We will continue implementing the management philosophy of "empowerment inspires vitality and enthusiasm." Through innovation in mechanism and business model, we encourage the transition of mindset of employees to managers, from managers to business owners. The company will promote a corporate culture that honors high performance and encourages active learning and enthusiasm, which will help construct the core competitiveness for long-term industry leadership.

We strive to build the common corporate culture and values, to make every team member of LONGi Group follow the core value of "reliable, value-added and delighted." We hope our employees can become reliable people who do reliable things, produce reliable products, and offer reliable services. We want to create more value for our customers and, in the meantime, for LONGi's employees to achieve self-improvement during work.

With our mission of "Utilizing Solar Power, Building A Green World," we cherish this rare development opportunity. We will join hands with industry partners and cooperate with our stakeholders, to promote the early transition of world energy structure. Together, we contribute to the sustainable development of humanity and our mother earth!

Chairman of LONGi Group
Zhong Baoshen



01 . ABOUT LONGi

GROUP PROFILE

LONGi Green Energy Technology Co., Ltd. (or LONGi Group) was founded in 2000. The company went public on the Shanghai Stock Exchange in 2012 (SH.601012). LONGi is the world's largest manufacturer of solar monocrystalline silicon photovoltaic products¹. Since its founding, LONGi has always focused on the evolution of monocrystalline photovoltaic technology, offered high-efficiency monocrystalline solar power solutions for customers all over the world. The Group has been dedicating itself in the research and development, production and sales of monocrystalline silicon ingots, wafers, cells, and modules, as well as the development of photovoltaic power stations.



LONGi Group has adhered to the corporate value of "Reliable, Value-added, Delighted" and continuously provides green energy and excellent services to the society. Relying on the advantages of mass production, a full PV industrial chain, technological innovation, branding, and talents accumulated over a long period of time, LONGi is striving to become a leading solar technology company with great value to the world, to promote the early realization of "Parity Era" for photovoltaic power, and help more people enjoy photovoltaic green energy.

¹Source: IHS Markit,

Over the years, LONGi Group has shown its robust ability in development and sustainable financing, as well as its industry-leading profitability and cost-control ability. In 2019, the Group entered the *Fortune* China 500 ranking for three consecutive years and ranked as 380th. LONGi also entered the China's Top 500 Private Enterprises and Top 500 Manufacturers for the second time. According to the PHOTON Consulting's LLC Triathlon competitive report, LONGi Group has been in the top tier for several quarters and was ranked as Tier 1 global module supplier by the BNEF, or Bloomberg New Energy Finance.

Monocrystalline Silicon Wafers

Boost production capacity for monocrystalline silicon ingots and wafers, to swiftly respond to market demands

Monocrystalline Cells and Modules

Offer monocrystalline cells and Modules with lower LCOE and higher cost-performance



Manufacturing Sector

Comprehensive Solar Energy Solution

Offer a high-efficient, smart, reliable and profitable one-stop solution for PV power stations
 Distributed PV Power Station
 Ground PV Power Station



Service Sector

BUSINESS LAYOUT

The headquarters of LONGi Group is located in Xi'an City, Shaanxi Province, China. At present, the Group's monocrystalline silicon ingot and wafer production bases are mainly located in Xi'an City in Shaanxi Province, Yinchuan City and Zhongning County in Ningxia Hui Autonomous Region, Lijiang City, Huaping County, Baoshan City, Tengchong County, Qujing City and Chuxiong City in Yunnan Province, Wuxi City in Jiangsu Province, and Kuching City in Malaysia. The monocrystalline cell and module production bases are mainly located in Taizhou City in Jiangsu Province, Quzhou City and Jiaxing City in Zhejiang Province, Hefei City, and Chuzhou City in Anhui Province, Yinchuan City in Ningxia Hui Autonomous Region, Xi'an City and Xianyang City in Shaanxi Province, Datong City in Shanxi Province, and Kuching City in Malaysia. The Group has carried out PV power station development business and provided systematic solutions in multiple locations at home and abroad, establishing a global marketing network of monocrystalline PV products.



LONGi's business layout in 2019

- LONGi Group's Headquarter
- LONGi Wafer Business headquarter
- LONGi Solar Business Unit
- the LONGi Clean Energy Business Headquarter
- Xi'an Wafer Slicing Factory
- the LONGi New Energy Business Headquarter
- Xi'an Wafer Slicing Factory

Domestic Production Base

- Yinchuan Monocrystalline Factory Yinchuan Module Factory
- Yinchuan Cell Factory Hefei Cell Factory
- Zhongning Monocrystalline Factory Taizhou Cell Factory
- Taizhou Module Factory Wuxi Wafer Slicing Factory
- Quzhou Module Factory Tuzhou Module Factory
- Baoshan Monocrystalline Factory, Yunnan
- Datong Module Factory ChuxiongCity Wafer Slicing Factory
- lijiang Monocrystalline Factory, Yunnan
- Huaping Monocrystalline Factory, Yunnan (under construction)
- Xianyang Wafer Slicing Factory (under construction)



LONGi's business layout in 2019

Global Sales Network

- Korea Japan USA India Germany
- Singapore Australia Africa Malaysia

Overseas Production Base

- Kuching Production Base, Malaysia (the whole industry chain)
- Andhra Pradesh Production Base, India (under construction)

This report mainly covers LONGi Group's headquarters, LONGi Wafer Business Unit, LONGi Solar Business Unit and their major affiliated factories that were in production and operation during the reporting period. It also covers the photovoltaic power station projects developed and constructed by the LONGi Clean Energy Business Unit and the LONGi New Energy Business Unit. The information of the enterprises covered in the report is listed below:

Table 1-1 Introduction of major enterprises included in LONGi 2019 Social Responsibility Report

UNIT	NAME ABBREVIATIONS	REGISTERED NAME	LOCATION	NOTES
HEADQUARTER	LONGi Group	LONGi Green Energy Technology Co., Ltd. *The name was changed in February 2017	Xi'an, Shaanxi	Parent Company
LONGI WAFER BUSINESS UNIT	Xi'an Wafer Slicing Factory	LONGi Green Energy Technology Co., Ltd.	Xi 'an, Shaanxi Province	Parent Company's Slicing Factory
	Ningxia LONGi	Ningxia LONGi Silicon Material Co., Ltd.	Zhongning, Ningxia	Subsidiary
	Yinchuan LONGi	Yinchuan LONGi Silicon Material Co., Ltd.	Yinchuan, Ningxia	Subsidiary
	Baoshan LONGi	Baoshan LONGi Silicon Material Co., Ltd.	Baoshan, Yunnan	Subsidiary
	Chuxiong LONGi	Chuxiong LONGi Silicon Material Co., Ltd.	Chuxiong, Yunnan	Subsidiary
	Lijiang LONGi	Lijiang LONGi Silicon Material Co., Ltd.	Huaping, Yunnan	Subsidiary
LONGI SOLAR BUSINESS UNIT	Wuxi LONGi	Wuxi LONGi Silicon Material Co., Ltd.	Wuxi, Jiangsu	Subsidiary
	LONGi Solar	LONGi Solar Photovoltaic Technology Co., Ltd	Xi 'an, Shaanxi	Subsidiary
	Taizhou LONGi SOLAR Module Factory	Taizhou LONGi SOLAR Photovoltaic Technology Co., Ltd Module Factory	Taizhou, Jiangsu	Branch Factory
	Yinchuan LONGi SOLAR	Yinchuan LONGi SOLAR Photovoltaic Technology Co., Ltd	Yinchuan, Ningxia	Branch Factory
	Zhejiang LONGi SOLAR	Zhejiang LONGi SOLAR Photovoltaic Technology Co., Ltd	Quzhou, Zhejiang	Branch Factory
	Xi'an LONGi SOLAR Module Factory	LONGi SOLAR Photovoltaic Technology Co., Ltd Module Factory	Xi 'an, Shaanxi	Branch Factory
	Datong LONGi SOLAR	Datong LONGi SOLAR Photovoltaic Technology Co., Ltd	Datong, Shanxi	Branch Factory
	Chuzhou LONGi SOLAR	Chuzhou LONGi SOLAR Photovoltaic Technology Co., Ltd	Chuzhou, Anhui	Branch Factory
	Taizhou LONGi SOLAR Cell Factory	Taizhou LONGi SOLAR Photovoltaic Technology Co., Ltd	Taizhou, Jiangsu	Branch Cell Factory
	Hefei LONGi SOLAR	Hefei LONGi SOLAR Photovoltaic Technology Co., Ltd	Hefei, Anhui	Branch Cell Factory
Ningxia LONGi SOLAR	Ningxia LONGi SOLAR Photovoltaic Technology Co., Ltd	Yinchuan, Ningxia	Branch Cell Factory	
	KUCHING LONGi	LONGi(KUCHING)SDN.BHD.	Malaysia	Overseas
LONGI CLEAN ENERGY BUSINESS UNIT	LONGi Clean Energy	Xi'an LONGi Clean Energy Co., Ltd	Xi 'an, Shaanxi	Subsidiary
LONGI NEW ENERGY BUSINESS UNIT	LONGi New Energy	Xi'an LONGi New Energy Co., Ltd	Xi 'an, Shaanxi	Subsidiary

* P.S. The data in this table was collected before December 2019, and only covers the enterprises mentioned in this report.

LONGi BRANDING

With the vision of becoming "A Solar Technology Company with Great Value to the World," LONGi Group undertakes the mission of "Utilizing Solar Energy, Building A Green World". LONGi Group is positioned as a company with "sustainable solar technology" and wishes to develop its brand image as "Stable and Reliable with leading technology".

VISION

A Solar Technology Company with Great Value to the World

With Great Value to the World:

Provide customers with value-added products and services, provide employees with a platform with the most career growth possibility, and create the best investment value for shareholders.

A Solar Technology Company:

Build a solar technology industry-leading brand through innovation and keeping products and services "one step ahead of others".

MISSION

Utilizing Solar Energy, Building A Green World

We devote to

Becoming a promoter of global energy transition and help with the way that human access to energy. Becoming the paradigm of solar technology, creating greater value for customers' investments. Promoting the ecological restoration, and creating a greener planet for future generations.

LONGi'S VALUE

Reliable

Offer reliable products and services for customers; Be a company that is worthy of the trust from customers, employees and other parties of interest; Be a reliable person.

Value-added

Create the most cost-effective products and services with great value addition for the customers; Bring continuous progress for the employees; Continuously create value for other parties of interest.

Delighted

Care about the feelings of the customers and get along with customers with the modest, respectful, friendly and

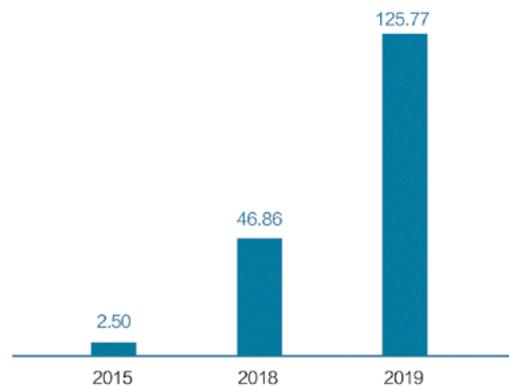
cooperative attitude; Respect the employees and attach importance to sharing and communication; Devoted to creating a trustworthy and inclusive atmosphere of a "LONGi Family". Respect parties of interest and be candid and friendly.



The Brand Pyramid of LONGi

LONGi Group's founder team named the brand after Mr. Jiang Longji, who is the former headmaster of Lanzhou University, the founding members' alma mater. Mr. Jiang is also a respected and renowned educator in China. The brand of LONGi is a tribute to Mr. Jiang and his legacy. LONGi believes that education promotes scientific and technological progress, thus creating better living conditions for the humankind.

According to the 2019 China Brand Evaluation Report by the China Council for Brand Development, LONGi's brand value rose to ¥12.577 billion (\$1.776 bln). From the ¥250 million (\$35.31 mln) first evaluated in 2015 to ¥12.577 billion (\$1.776 bln) this year, the brand value of LONGi increased by ¥7.891 billion (\$1.114 bln), up 168.40% from last year.



LONGi's brand value (100 mln RMB/ or 14.12 mln USD)

LONGi's Brand Value Growth (in RMB)

EVENTS OF THE YEAR

January

On January 16, LONGi monocrystalline bifacial PERC cell was tested by the China Photovoltaic Products Test Center (CPVT). The front-side conversion efficiency reached 24.06%, which was the first time that the conversion efficiency of commercial-size PERC cells exceeds 24%. This achievement broke a technology bottleneck at 24%-conversion efficiency, making LONGi once again the world-record holder. Before this, LONGi has continuously improved the conversion efficiency of PERC cells and modules for many times and has maintained its leading technical edge globally in the solar industry.

March

On March 12, LONGi's Yinchuan Subsidiary was certified as the "Enterprise Technology Center of the Ningxia Hui Autonomous Region". This marks the 6th technology center certification at the national/provincial level for LONGi Group.

April

On April 16, LONGi Group successfully issued a ¥3.9-billion (\$550.85 mln) share allotment, with recognition rate as high as 99.54% – this marked a new record of recognition for A-share listed companies since 2011.

May

On May 9, the China Council for Brand Development released the "China Brand Value Evaluation Report", and LONGi's brand value rose to a record high of ¥12.577 billion (\$1.776 bln).

On May 16, at the Intersolar Europe in Munich, LONGi launched the new generation module products Hi-MO4, with front-side efficiency reaching 430W. After that, LONGi unveiled the high efficient shingled PERC module – Hi-MO X to the global market. The new product was widely recognized by the market.

On May 31, LONGi launched the "seamless soldering" technique, which could raise the front side efficiency of its bifacial PERC module to 500.5W, breaking the world record.

June

On June 4, at the SNEC PV POWER EXPO 2019, LONGi launched a large-size M6 silicon wafer with a margin of 166 mm. This is considered as the optimal size for its compatibility with the existing production lines and the levelized cost of energy (LCOE).

On June 19, Bloomberg New Energy Finance released the

"Photovoltaic Module Brand Bankability Report of 2019 Q1 & 2018 Q4", and LONGi Group ranked the first in BNEF Altman-Z among all solar module manufacturers.

On June 29, LONGi Group was listed in the 2019 ranking of "50 Smartest Companies" (TR50) by the *MIT Technology Review*.

July

On July 10, the *Fortune* magazine officially released the list of the top 500 Chinese companies in 2019. LONGi Group ranked 380th on the list.

August

On August 22, the All-China Federation of Industry & Commerce (ACFIC) and the Qinghai Provincial Government held the "2019 China Top 500 Private Enterprises Summit" in Xining City. LONGi Group ranked 397th among China's "Top 500 Private Enterprises" and 232nd among China's "Top 500 Private Manufacturers". It was also the second consecutive year that LONGi Group was listed in the "China Top 500 Private Enterprises", rising 76 spots in the ranking from the previous year.

On August 27, PV-Tech released the PV ModuleTech Bankability Ratings Report. LONGi Group was one of only four companies that got AA rating (the highest level) in the sector.

September

From September 4 to 6, the 2019 Fortune Global Sustainability Forum was held near the Fuxian Lake in Yuxi City of Yunnan Province. Mr. Zhong Baoshen, Chairman of LONGi Group, was invited to attend the event and joined in the dialogue at the plenary session and panel discussion themed "The Future of Green Energy."

From September 9 to 12, LONGi Group's President Li Zhenguo was invited to attend the World Energy Congress (WEC). At the event, Mr. Li shared his insights and respond to many people's concerns about the cost, intermittency of solar power and products available in the future. His remarks help the guests of the WEC understand the enormous value and great potential of the photovoltaic industry.

On September 12, the Ministry of Industry and Information Technology (MIIT) released China's list of green manufacturers for the fourth time, with LONGi's Yinchuan subsidiary included. This is LONGi Group's second factory that is honored as a "National Green Factory."

November

On November 18, Mr. Li Zhenguo, President of LONGi, was invited to attend the Fortune Global Forum. Mr. Li said that the photovoltaic industry could provide a feasible solution to balance economic development and global warming.

December

From December 3 to 13, LONGi participated in multiple events at the 25th UN Climate Change Conference and released "China PV Outlook 2050". The report predicts solar energy will become a major source of electricity for China in the future, which will help China and the world in curbing climate change and realizing sustainable development.

On December 9, LONGi announced it had achieved 21.65% conversion efficiency for the front side of its Type 60 bifacial PERC module, setting a new world record.

On December 25, LONGi Group was listed in SSE50 Index. As of the end of 2019, LONGi Group has been listed in MSCI, FTSE Russell, S&P Dow Jones Indices, SSE Constituent Index, CSI 300, among other key indices.

SOCIAL RESPONSIBILITY MANAGEMENT

LONGi Group always aims at promoting sustainable development and attaches importance to corporate social responsibilities. The Board of Directors gives priority to the subject of sustainable development, and the company's management team set up a Committee on Social Responsibility Development. Such arrangement can promote LONGi's social responsibility efforts in an orderly manner.

COMMUNICATION WITH STAKEHOLDERS

LONGi understands that the value it gained comes from the company's multiple stakeholders, including the customers, staff, shareholders & investors, suppliers, government & regulatory departments, NGOs, local communities, and the public. Through internal discussions and expert consultation, referring to the industry standard, the Group has identified its key stakeholders and been in active engagement with them. The Group's relevant functional departments carry out scheduled or unscheduled activities for communication, to continuously understand the expectations. And the Group actively invites these stakeholders to participate in discussions on the issues related to LONGi's social responsibilities.

Table 1-2 Means of Communication between LONGi Group and its Key Stakeholders

Key Stakeholders	Expectations from Stakeholders	Means of Communication & Activities
Customers	Reliable and Efficient Products; Good Services	Customer Receptions; Release Event for New Products; Exhibition; Technology Seminar; 400 Service Platform; Satisfaction Survey
Staff	Career Development; Health and Safety; Pleasant Working Environment	Staff Congress & Labor Union; Training & Education; Employer's Brand; LONGi Happy Family WeChat Official Account; Complaint Report Mini Wechat App; Staff Activities; Staff Club
Shareholders & Investors	Return on Investment; Financial Stability and Health	Business Performance Briefing; Communication with Investors; Investor Hotline; Shareholders' Meeting; Annual Reports and Announcements; On-site/Field Research
Suppliers	Green Supply Chain; Win-win Cooperation; Business Environment with No Corruption	Supplier Training; Supplier Environment Evaluation; Supplier E-portal Website; Collaboration & Innovation Supplier Conference; Supplier Code of Conduct ;Overt Under the Sunlight
Government and Regulatory Departments	Industry Development	Operation with Compliance; Policy Recommendations
Non-governmental Organizations	Environmental Protection; Promote Sustainable Development	Participate and become members of trade associations, academic institutions and think tanks; Open environmental-protection facilities of the enterprise to the public; Active communication; Project Cooperation
Communities	Environmental Safety; Promote Community Development	Support Community Activities; Sustainable Development Projects; Participate in Public Welfare Activities as a Community Member
The Public	Improve People's Livelihood; Charity	Volunteer Activities; Charities and Donations; Poverty Alleviation; Media Briefings

Through participating in different domestic and international associations and organizations with strategic initiatives, the company builds strong ties with the organizations and partners, focusing on global photovoltaic industry development, environmental protection, and sustainable development.

Table 1-3 List of Key Associations and Organizations LONGi joined

Name	Position
Semiconductor Equipment and Materials International	Member
SolarPower Europe	Board Member
Solar Energy Industries Association	Member
Asociación Nacional de Productores de Energía Fotovoltaica	Member
American Solar Energy Society	Member
United Nations Global Compact	Signatory Corporate
International Forum on Clean Energy	Vice Chairman
China New Energy Chamber of Commerce	Chairperson
China Photovoltaic Industry Association	Vice Chairman
China Electronics Materials Industry Association	Executive Director
China Electronics Materials Industry Association, Semiconductor Material Committee	Vice Chairman
China Association of Circular Economy, Renewable Energy Special Committee	Vice Chairman
China Industrial Energy Conservation and Clean Production Association, Green Factory Special Committee	Member
Photovoltaic Committee of China Renewable Energy Society	Member
Global Energy Interconnection Development and Cooperation Organization	Member
China Chamber of Commerce for Import and Export of Machinery and Electronic Products	Member

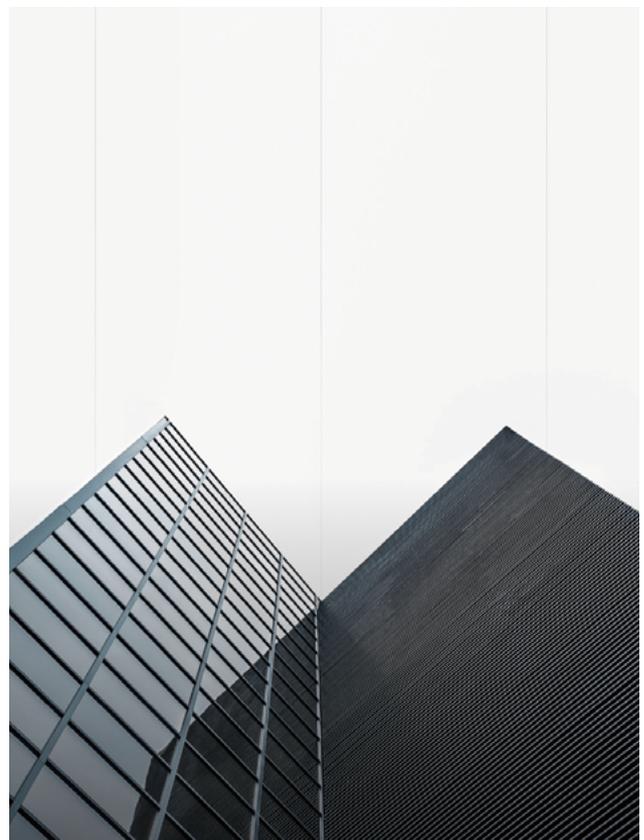
Name	Position
All-China Environment Federation	Vice Chairman
China Enterprise Anti-Fraud Alliance	Member
China Business Climate Action	Member

* P.S. 1. The data in this table was collected before December 2019;
2. The organizations in this table are in no particular order

CUSTOMER SERVICE

LONGi always focuses on creating value for customers, offering customers with high value-added products and services. The company is dedicated to continuous improvement and pursues reliable quality to achieve customer satisfaction. LONGi is committed to creating a green, beautiful home for mankind together with its customers.

The company has established a 400 Hotline Operation Center at the group headquarters, and it integrates various



customer-service platforms, including the 400 hotline, the HQ reception, official e-mails, "message from the website" as well as the online inquiry platforms on WeChat and Weibo, China's twitter-like service. This platform integrates the group's customer service resources and is aimed for better customer satisfaction. The 400 hotline provides customers with authenticity checking service for LONGi's products, providing protection to customers' legitimate rights and interests. The group requires the business departments to respond to customers' requests or inquiries within 24 hours. If certain business departments cannot respond in time under special circumstances, they must inform the customers on a specific timeline for response. The 400 Hotline Operation Center is responsible for the routine follow-up calls with customers, with the overall satisfaction rate reaching 99.2%, and the rate of timely response from business departments stands at 97.4%. LONGi is also committed to continuous improvement in its customer service procedures in accordance with customers' advice.



- | | |
|--|--|
|  <p>Telephone
Service Hotline(China) :
4009601012
Group switchboard(China) :
029-81566686/85767999</p> |  <p>WeChat
Official WeChat accounts
providing online
consultation, verification
services for products.</p> |
|  <p>Website
5 sites in Chinese,
providing online inquiry
and follow-up service</p> |  <p>Weibo
Official Weibo account
providing online
consultation services</p> |
|  <p>Email
Market@longigroup.com
For Marketing
PR@longigroup.com
For Public Relations</p> |  <p>Others
Consultation services
provided on other platforms</p> |

LONGi 400 Hotline Operation Center

Since 2017, the Group has been conducting customer satisfaction surveys. In 2019, the overall customer satisfaction for LONGi Solar BU reached 92.92,

increasing by 1.82 points compared with 91.1 in 2018. In 2019, the company conducted a survey on the customer satisfaction rate for the EPC Project at the LONGi New Energy BU, with the score reaching 93.6.

All employees in positions that have access to customer information are subject to strict confidentiality requirements. LONGi has designated a special task force to manage customer profiles, and they conduct regular confidentiality training for sales team members. It is strictly prohibited to disclose customer data. In 2019, the company received no complaints or lawsuits related to the leak of customer information.

LIGHT UP THE "ISOLATED AREAS WITHOUT ELECTRICITY"

From 2018, LONGi New Energy Business Unit has started working to build PV projects. In May 2019, Gong Fangtao, Manager of LONGi New Energy BU's Micro-grid R&D Department, and He Wangbin, an engineer of the department, went to Gaize County in Ali Region to help local Tibetans install 1,000 sets of household solar energy systems and provide technical guidance. Mr. Gong and Mr. He have travelled to Tibet for many times, but as they departed from Xi'an City, 400 meters above sea level, to Gaize County, 4,500 meters above sea level, the two employees suffered altitude sickness and had to take oxygen. While the customers were located in six towns across Gaize County, making the task very difficult, and they had to borrow an oxygen cylinder to carry on their task.



LONGi employees explaining to local Tibetans on how to conduct maintenance on PV power stations

In four days, LONGi employees overcame altitude sickness and many other difficulties. They traveled to towns locate as high as 6,000 meters above sea level and remote

towns locate over 200 kilometers away from the county center. The two employees started installing PV equipment right after they arrived at the customers' houses. They explained to the locals how to operate the system. They also recorded a video while explaining, so that locals could conduct daily maintenance of the system after their departure. LONGi staff's services and devotion have won recognition and appreciation from the local government, companies, and Tibetan residents. The oxygen cylinders on their car showcased their hardships on the snowy Tibetan plateau, as well as LONGi staff's perseverance and responsible attitude to customers.



LONGi Solar Power Stations on the Tibetan Plateau

LONGi PRESIDENT'S VISIT TO CUSTOMERS

In November 2019, a LONGi's team led by President Li Zhenguo paid visits to LONGi's customers in Belgium. The team visited the Your Nature Eco Resort located in the Fouage Forest Reserve and Pairi Daiza. Your Nature is Europe's largest ecological resort, with 100% environmentally friendly construction and design concept, which perfectly matches LONGi's Solar For Solar concept. Pairi Daiza, one of the most famous Zoo and botanical garden in Europe, is scheduled to complete the construction of the world's largest PV parking lot at the beginning of 2020. Equipped with LONGi's 62,750 high-efficiency monocrystalline modules, this green energy project marks another "Chinese Name Card" for the zoo, after the Chinese garden and the giant pandas.

During the visit, the Belgian partners said LONGi's products are most impressive for their reliability, stability, and high quality, adding that LONGi's flexibility in services has been very considerate and heart-warming for partners. In this project, LONGi has always tried its best to adjust the services

according to the customers' needs, such as helping the customers to store modules or speeding up the logistics. LONGi's flexible service has impressed the partners and customers with care and reliability. In addition, LONGi's bankability and the international team's excellent communication skills have won appreciation as well.



Belgian partner introducing the project to President Li Zhenguo



President Li Zhenguo and Belgian partners at the photovoltaic parking lot

Whether at home or abroad, LONGi has always aimed at satisfying customers' needs. "LONGi is a company that grew up in a complete market environment. Only by putting the needs of customers first and serving the customers with the higher standard can LONGi stand out in the fierce competition in the industry." The on-site visit allows LONGi to better understand customers' needs, and LONGi will provide services with more specific solutions.

COMMUNICATION WITH SHAREHOLDERS

LONGi Group attaches great importance to the management and maintenance of investor relations. LONGi maintains interaction and communication with the capital market through various methods such as the investor hotline, the interactive platform, performance briefings, and site visits, etc. LONGi also

maintains frequent and active exchanges with minority shareholders, including a special session for minority shareholders at the shareholders' meeting and shareholder receptions. Through these activities, minority shareholders can better understand LONGi's business performance and industry trends.



Investors' Meeting during 2019 SNEC EXPO

COMMUNICATION WITH ENVIRONMENTAL PROTECTION ORGANIZATIONS

As LONGi's business develops rapidly, the company has continuously strengthened its awareness of environmental protection, and firmly followed the path of green development. In 2019, LONGi strengthened communications with environmental protection organizations and media by inviting them to visit the group. LONGi also carefully listened to suggestions from environmental protection organizations. From June 24 to June 26, the All-China Environment Federation (ACEF) held the "2019 Photovoltaic Environmental Protection Trip", inviting representatives from nearly 20 organizations and media reporters from across China to visit LONGi Group. They visited LONGi's headquarters, factories, and power stations, and had in-depth discussions on solar energy and environmental protection with the group's EHS, suppliers and branding-management units.



Environment NGO and media visit LONGi

The environmental protection organizations and media attending the tour shared their observations, witnessed the important role the photovoltaic industry played in environmental protection, and expressed confidence that clean energy such as solar power will be key to transform the ecology on Earth. The group also offered suggestions on environmental protection during manufacturing, disclosure and certification of environmental protection data, as well as environmental management for partners in the supply chain.

In 2019, LONGi also strengthened exchanges and cooperation with renowned environmental protection organizations such as the World Wildlife Fund (WWF) and the Environmental Defense Fund (EDF). LONGi attended the 7th Shenzhen International Low Carbon City Forum organized by WWF Beijing Office, also the sub-forum "Shenzhen x Lancang-Mekong River Cities." The group joins EDF's internship program named "Climate Corps," and jointly held the 2019 "Earth Hour" events in Vietnam. At the 4th Xi'an International Environmental Protection Industry Exposition, or the EP Expo, LONGi worked with the Environmental-Protection Publicity and Education Center of Shaanxi Province and delivered a Photovoltaics Science Popularization Exhibition to the public, increasing the public's understanding on the PV industry.



LONGi participating in 2019 WWF "Earth Hour" in Vietnam



Explaining LONGi's projects to the public

ANALYSIS ON SUBSTANTIAL SUBJECTS

Based on discussions with stakeholders and consultation with experts, and refer to the industry research reports, LONGi confirms the substantial subjects of social responsibilities in this report. The report is guided by the Global Reporting Initiative

("GRI") Standards (2016), UN Sustainable Development Goals (SDGs), and Guidelines of the Shanghai Stock Exchange Listed Companies Information Disclosure. Here are the issues disclosed and elaborated in this report.

Sustainable Development Fields	Substantial Subjects	Coverage
Economy	Economic performance Market performance Anti-corruption	The whole group
Environment	Energy Water Exhaust gas emissions Sewage and waste Environmental compliance Environment assessment on suppliers	The whole group, not including LONGi Kuching
Society	Employment Occupational health and safety Training and education Diversity and equal opportunities Anti-discrimination Freedom of association and collective bargaining Child labor Forced or compelled labor Local communities Customer privacy Social-economic compliance	The whole group

LONGi AND SUSTAINABLE DEVELOPMENT GOALS

The United Nations 2030 Sustainable Development Goals (SDGs) are a series of new universally-agreed development goals, which define the global vision and priorities for 2030 and create unprecedented opportunities for promoting global sustainable development.



United Nations
Global Compact

LONGi actively responds to the United Nations 2030 Agenda on Sustainable Development Goals. LONGi recognizes that participation in and implementation of SDGs can not only promote global governance but also can gain development opportunities. LONGi combines SDGs with the company's business values, and identifies the importance and meaning of the relevant SDGs to the Group. That is how LONGi develops its social responsibility strategy and promotes it. In September 2019, LONGi Group signed an agreement to join the United Nations Global Compact and become a Signatory Corporate. LONGi will join hands with many stakeholders, so that all sectors can share the solution to implement and solve the UNSDGs.



02. PHOTOVOLTAICS TECHNOLOGY THAT LEADS THE FUTURE

R&D SYSTEM

LONGi Group believes in creating value for its customers, and we continuously pay attention to customers' needs. We firmly believe that technological innovation is the core element for maintaining growth. The group has always attached great importance to technological innovation, and increases investment in R&D. LONGi is committed to promoting the technical upgrading of the photovoltaic industry, and create sustainable photovoltaic technologies.

Since the company went public in 2012, LONGi Group has invested, by the end of 2019, ¥5.288 billion (\$746.76 mln) in R&D, ranking first in the industry. In 2019, the Group invested ¥1.677 billion (\$236.82 mln) in R&D, accounting for 5.1% of its revenue. The Group had obtained 241 patents in 2019, and by the end of the reporting period, the Group had acquired 702 patents in various fields. The group's R&D efforts on crystal pulling, slicing, cells, modules, equipment, and digitalization are making progress as planned. The company now has sufficient "reserve" of new technologies and products.

LONGi launched a first-class photovoltaic technology center in China, which is certified as the national-level enterprise-based technology center. The technology center covers the R&D of the technology industry application research on monocrystalline pulling, slicing, cleaning & packaging, cells & modules, as well as a trial manufacturing line using integrated full-process production. LONGi has established a well-developed technology R&D and cooperation platform involving manufacturers, academic institutions, and research centers. LONGi Group is making joint efforts with world-renowned universities and enterprises such as DuPont, 3M, Peking University and the University of New South Wales to explore leading technologies in the industry. By the end of 2019, LONGi Group and its subsidiaries Ningxia LONGi, Taizhou LONGi, and Quzhou LONGi were respectively certified as "Provincial Enterprise Technology Centers" of Shaanxi Province, Ningxia Hui Autonomous Region, Jiangsu Province, and Zhejiang Province. At the

29th International Photovoltaics Science and Engineering Conference and the 18th China Photovoltaic Conference, with its innovation breakthrough in monocrystalline PV technology, LONGi R&D team won the "special achievement award". President Li Zhenguo received the prize on behalf of the R&D team.



LONGi R&D team won the "special contribution award" at the PVSEC-29 Conference

In 2019, LONGi Taizhou's Module Lab successfully passed the "Efficient Photovoltaic Module Photoelectric Parameter Measurement Proficiency Test." The test is carried out by China's National Institute of Metrology (NIM) and the China Quality Certification Center. The lab is certified as a CNAS Proficiency Testing Provider (China National Accreditation Service for Conformity Assessment, PT0037) in accordance with the 2017 CNCA (China's certification and accreditation administration) Proficiency Verification Plan (Item 47, Category C). A number of LONGi's high-efficiency monocrystalline PERC modules have been certified accordingly. Taizhou's Module Lab had been certified by both TUV Rhein Lab and CNAS (certificate number: L11419), it's now a laboratory with dual accreditation qualifications in the photovoltaic industry. The laboratory has participated in the verification tests on high temperature, low temperature, and photoelectric performance. All test results got "Satisfactory" verification. This ensures the test accuracy and reliability of LONGi high-efficiency modules, thus promoting the rapid improvement of LONGi products' quality and competitiveness.



Module Testing Center of LONGi Taizhou Base

It is LONGi's continuous fast-speed R&D and high-quality and reliable products that support the fast development of overseas market. LONGi Kuching's Module Lab is the company's first lab established outside China. On June 21, 2019, UL American Underwriters Laboratories, a third-party testing and certification organization, issued LONGi a WTDP (Witness Testing Data Program) laboratory qualification that complies with UL1703 international standards and UL recognition rules. This marks the third such lab receiving certification after LONGi's laboratories in Quzhou City and Taizhou City. It strongly proves LONGi's product quality management and laboratory testing capabilities, and greatly reduces the time wasted during samples delivering and testing, which is of great significance for improving the company's product certification efficiency and enhancing product market competitiveness.



LONGi Kuching Lab obtained WTDP Qualification

LONGi's technological innovation capability is also recognized by the science and technology sector. On June 29, 2019, the *MIT Technology Review* magazine announced the 2019 "50 Smartest Companies" (TR50) list in Hangzhou. LONGi was included for its continuous innovation and breakthrough in photovoltaic technology. The comments from the TR50 for LONGi's listing at the awarding ceremony was "LONGi is

the world's largest monocrystalline products manufacturer. LONGi encapsulates the bifacial glass to the back of its monocrystalline cells, enabling its solar modules to generate power on both sides. LONGi's products can be installed on various locations, such as wasteland, sand ground, cement roofs and even building surfaces to boost solar power generation." Being included in the TR50 suggests the enterprise is a front-runner in the industry and leading the direction of innovation. It is a list of companies showing the future business landscape.



LONGi listed in the TR50 rank of *MIT Technology Review*.

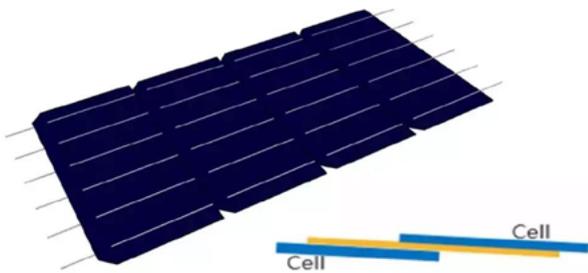
PHOTOVOLTAIC PRODUCTS INNOVATION

As a technology-driven enterprise, LONGi always regards technological innovation and breakthroughs as the core engine for growth. Equipped with the world's leading R&D, technical and quality-control systems, LONGi maintains its focus on the R&D and production of monocrystalline products. LONGi has continuously invested considerably in funding the R&D of the entire monocrystalline industrial chain. LONGi's monocrystalline cells and module technologies have repeatedly broke world records.

Regarding silicon ingots and wafers, the Group has achieved initial success on product quality improvement and energy conservation, and promoted such application in different factories. LONGi is working with equipment manufacturers to develop tailored equipment and decrease the cost of equipment and prolong the lifespan of equipment. LONGi is promoting the digitalization, automation and "smart" level of its production lines to lower the cost on human labor.

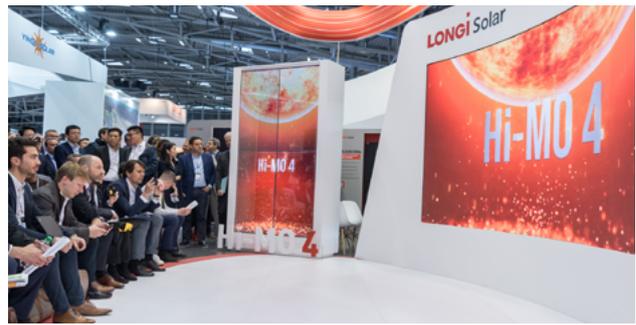
On cells and modules, LONGi has been focusing on the improvement of quality and efficiency. The Group has successfully developed the third generation of PERC cells, increasing the conversion efficiency of mono facial/bifacial cells

by more than 0.3%. In 2019, driven by non-stop and high level of R&D investment, LONGi continuously refreshed the world records in key technical indicators of the industry and has maintained its role as a "Record Breaker" in the sector. On January 16, LONGi set another world record with its monocrystalline PERC cell conversion rate reaching 24.06%. On May 7, LONGi's type-72 bifacial half-cut module has refreshed the world record with the front side power reaching 450.363W. On May 31, LONGi launched the "seamless molding" technology, which eliminates all spacing between cells to improve conversion efficiency. Such technology pushed the front-side efficiency of bifacial PERC to 500.5W, setting a new world record. This new record was tested and verified by renowned certification agency TÜV-SÜD.



LONGi's Seamless Soldering Technology

In 2019, at Intersolar Photovoltaic Exhibition in Munich and the SNEC-2019 exhibition in Shanghai, LONGi respectively launched M6 Wafer, a highly efficient, reliable, and cost-effective product and Hi-MO4, a new generation of module product. On May 16, LONGi unveiled Hi-MO 4 Module on the opening day of the Intersolar Photovoltaic Exhibition in Munich, Europe's largest and most influential solar technology exhibition. Released together with Hi-MO4 was a brand new, all-black series module - RealBlack. Designed with the advantages of "good looks, high power, and high reliability", RealBlack is available for rooftop PV applications. On June 4, at the SNEC-2019 exhibition, LONGi launched a large-size wafer with a margin of 166 mm, which is the most optimal wafer size based on the current production line compatibility and the leveled cost of energy (LCOE). In August 2019, LONGi released Hi-MO X, a mono PERC solar panel featuring a shingled layout. "Shingle" solar panels are modules comprised of multiple thin overlapping solar cells. LONGi's continuous efforts in satisfying the global market demands for high-efficiency PV products have promoted the progress of low-cost power supply.



LONGi New Products Released at Shanghai SNEC EXPO

PROMOTE GREEN TRANSITION

The fast development of PV technologies has made PV power the most economic energy source in many areas across the globe. LONGi is actively promoting the energy transition, in order to offer a feasible solution for the dilemma between economic growth and climate change, to help with the global green transformation.

TECHNOLOGY LEADERSHIP BASE

The Photovoltaic Technology Leadership Base is an important demonstration project for China to promote the development of photovoltaic technologies, industry upgrading, market application, and cost reduction. In 2018, LONGi Clean Energy Business Unit successfully won the bid of Yijun County, Tongchuan City of Shaanxi Province and Licheng County in Changzhi City of Shanxi Province. The two bases have connected to the power grid and been put into operation in 2019.



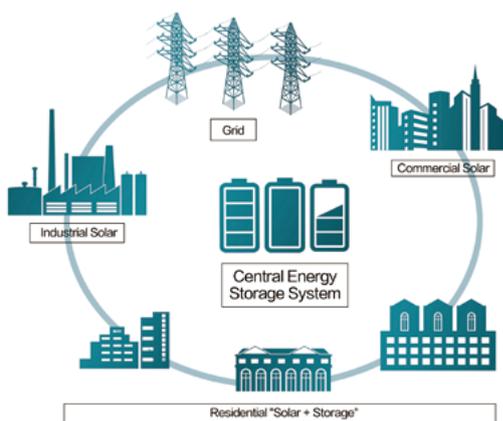
LONGi Tongchuan PV Power Technology Leadership Base

LONGi Tongchuan Photovoltaic Technology Leadership Project has a total installed capacity of 250MWp. It adopts a solution named "LONGi Smart PRO+," equipped with LONGi monocrystalline Type-P PERC shingled bifacial modules. This is to make sure that the leadership project can apply LONGi's

leading technology and products. The project is also equipped with smart bifacial inverters, tracking system, and energy storage system, to maximize power generation and achieve the optimal performance of the system efficiency. It is estimated that the total power generation in 25 years is 8,749,542,600 kW·h, and the average annual power generation is 349,981,700 kW·h, which could meet the power demand of about 250,000 urban and rural households. This is equivalent to saving about 120,000 tons of coal consumption, reducing about 360,000 tons of carbon dioxide emissions and 1,600 tons of soot emissions. The project also functions as a site for sightseeing, technology exhibition and targeted poverty-alleviation, while serving as a demonstration base that promotes technological progress of the PV industry.

IMPROVE LIVING ENVIRONMENT

With the development of distributed photovoltaics and the innovative application of energy storage technology, the future energy consumption model will undergo significant changes: Electric power dispatching and trading will be smarter, which can better satisfy different power demands. In 2019, LONGi promoted Building Integrated PV, or BIPV. At least 3 billion kilowatts of additional PV installations are expected. Models including "solar + storage" integration and sharing, as well as "virtual power plants," will reshape the energy consumption for households and commercial sector.



Solar+Storage Application Scenarios in the Future

Photovoltaics could provide clean and renewable energy for social development and it plays an important role in realizing emission reduction and curbing global warming. It is increasingly important in sustainable development and improving human living conditions, especially to developing countries and underdeveloped countries. On September 5 to 6,

2019, the 14th Global Forum on Human Settlements were held in Addis Ababa, Capital of Ethiopia. The forum was jointly hosted by the Global Forum on Human Settlement, the United Nations Economic Commission for Africa and the International Telecommunication Union. LONGi President Li Zhenguo was honored and awarded the "Outstanding Contribution Award on Global Human Settlements" for LONGi's long-time contribution in improving human living conditions using PV technologies,



The Opening Ceremony of the 14th Global Forum on Human Settlements

PV DEVELOPMENT OUTLOOK PRACTICING "SOLAR FOR SOLAR" CONCEPT

At the 24th United Nations Climate Change Conference in 2018, LONGi Group unveiled the "Solar for Solar" concept, that PV manufacturing could be powered by PV-generated power. To do so, LONGi advocates that the PV manufacturing industrial chain can be deployed in coastal areas where sunlight is abundant, and the terrain differences can be used for pumped hydro storage. This could make it possible that PV products manufacturing can be powered by solar power. Furthermore, abundant solar energy can also be used in the desalination of seawater to be used in irrigation in desert areas, which will green the deserts and restore ecology to eventually achieve "negative carbon emission" development on our planet. LONGi will continue its commitment, by implementing the "Solar for Solar" concept, to achieve zero-carbon PV products manufacturing using clean energy. Currently, LONGi has practiced such concepts in Yunnan Province of China and Kuching in Malaysia. The company has also made efforts to explore how to combine PV power station with desert-control, which has achieved great results.

On July 27, 2019, the 7th Kubuqi International Desert Forum was held in Inner Mongolia Autonomous Region, China. The forum is the world's only multilateral forum with the theme on the prevention and control of desertification. President Li Zhenguo was invited to attend the forum and shared his opinion on how to use PV products in helping

mitigate desertification and how solar power can further help improve the ecology on Earth. He also elaborated on the application of the "Solar For Solar" model regarding desertification prevention and control. President Li Zhenguo believes that one of the core issues of greening the deserts is water supply. In the past, one of the barriers is massive water supply powered by fossil energy would result in a great deal of carbon emission. While driven by technological progress, the cost of PV power has reduced significantly. Photovoltaic power generation will gradually become the most economical energy source in most parts of the world. The combination of PV power generation and energy storage can fully meet the needs of large-scale water diversion projects to green the deserts, with no carbon emission.



LONGi module products for Kubuqi desertification control project with PV

It is estimated that human energy needs can be satisfied if 1% of the global desert area to be deployed for PV power generation. And when 70% of the earth's desert areas transformed to oases, all carbon emissions generated by human activities can be absorbed. This is the ultimate goal of LONGi's "Solar for Solar – A Negative Carbon Emission Planet" concept.

China PV in 2050

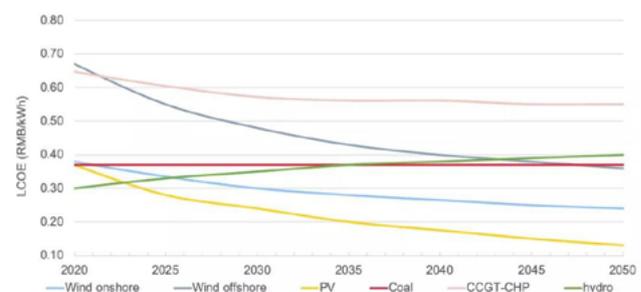
On December 12, 2019, at the 25th United Nations Climate Change Conference in Madrid, Spain, LONGi Group, along with the Energy Research Institute of China's National Development and Reform Commission (NDRC) and Shaanxi Coal Chemical Industry Group Co., Ltd., jointly released the "China PV Outlook 2050" report. This is the very first time that a private renewable company, as a key participant, develops a report on a specific country for its clean energy technology outlook. At the UN press conference room, LONGi further explained the "China PV Outlook 2050" report, and livestreamed on the official website of UN Climate Change Conference. This is the second time that LONGi spoke at the

UN Climate Change Conference since LONGi re-positioned PV's role in the fight against climate change with the idea of "Solar for Solar".



LONGi held press conference at the COP25

According to the report, factors including system efficiency improvement, thanks to technological advancements, will lead to the rapid reduction in cost of photovoltaic power generation. The cost advantage of photovoltaic power generation will become increasingly obvious in the future. By 2025, the photovoltaic power generation will be one of the most economical renewable energy technologies. By 2050, PV-generated solar power will become China's largest source of electricity, accounting for nearly 40% of the country's overall electricity consumption.



Trends on power generation cost of different power generation technologies (2020-2050)

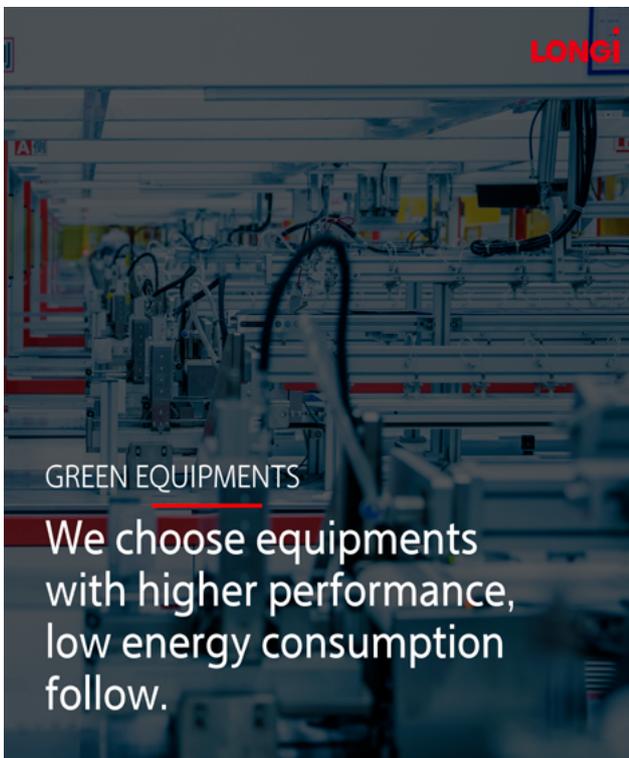
The report predicts that from the "14th Five-Year Plan" period (2020-2025), China's PV deployment will start to accelerate. From 2025 to 2035, China's PV industry will enter a period of large-scale and accelerated deployment. In 2025 and 2035, China's total installed PV power generation capacity will reach 730GW and 3,000GW, respectively. By 2050, this figure will reach 5,000GW, with the consequence of PV solar power to be China's largest source of electricity, accounting for about 40% of the country's total electricity consumption.

03. ENVIRONMENT

GREEN MANUFACTURING

As LONGi Group strives to make low-cost clean energy possible for the world, the group also practices the concept of clean production and green manufacturing. The company also aims to shoulder greater responsibilities for global sustainable development with green manufacturing.

LEAD THE INDUSTRY INTO THE "DIAMOND WIRE ERA"



In 2015, LONGi fully replaced the traditional mortar slicing technique with the more efficient diamond wire slicing technique. LONGi is the first silicon wafer manufacturer in China to apply diamond wire slicing in mass production. It promoted the substitution for domestic-made slicing equipment and diamond wires, which lowers the slicing cost while substantially increasing production efficiency. And the abandoning of silicon carbide mortar in the production process significantly reduced environmental pollution. LONGi then shared these technologies with the whole industry, greatly increasing the production capacity. LONGi's move has

promoted the localization and industrialization of the diamond wires and the relevant supply chain. With LONGi's efforts, China's PV industry stepped into the "diamond wire era."

PRODUCTION WITH RENEWABLE ELECTRICITY

LONGi has always been practicing the concept of "using clean energy to produce clean energy products." In 2015, the group began to work on projects in China's Yunnan Province and Malaysia's Kuching, where hydropower was abundant and cheap. Using hydropower, LONGi produces PV products, including the monocrystalline silicon ingots, wafers, cells, and modules with lower production cost. These solar products can generate more clean power across the globe, becoming the important amplifier of clean power.

Three LONGi factories in Yunnan Province and the factory in Malaysia are using renewable energy close to 100%. LONGi has also installed solar power systems on the roof of Wuxi LONGi and Taizhou LONGi LERRI Module Factory to increase the percentage of clean energy in overall energy use. In October 2019, LONGi applied to join the Global Initiative RE100 and committed to using 100% renewable power across its entire global operations by 2028.

PROMOTING A GREEN LIFE CYCLE FOR PRODUCTS

LONGi has guided the suppliers to take environmental issues during the products' life cycle into consideration when supplying materials and designing equipment. LONGi's choice of equipment not only features higher performance and advanced technology but also minimizes energy consumption.

When it comes to the designing and manufacturing of PV products, LONGi advocates a waste-free, recyclable manufacturing process, and easy-maintenance for products. Meeting the criterion, LONGi strives to make the best use of materials, making products like POE, EVA, glass and panels thinner and lighter (by reducing frame weight). LONGi tries its best to use recyclable and renewable materials while studying the use of green panel materials. LONGi's dual-glass module

features 2.0 + 2.0mm design, which substantially reduces the use of raw materials.

On packaging and logistics, LONGi advocates the whole industry to recycle the packaging materials throughout the supply chain, that all packaging materials can be used repeatedly. For example, the packaging materials will be recycled and reused after the silicon ingots delivered to the slicing plant. LONGi also encourages suppliers to recycle packaging materials and promote this practice throughout the supply chain. While ensuring their function and reliability, these materials are made lighter and thinner, thus greatly reducing the carbon emissions during transportation.

On waste recycling, LONGi established a waste management department to record waste data and conduct research on how to reuse these materials. LONGi established a waste management system by category, covering silicon mud, waste diamond wire, graphite, paper boards, and plastics, etc. Efforts are made to increase the reuse of these waste materials to reduce carbon emissions. LONGi has been working to ensure its module products' life cycle exceeding 25 years. The company also tracks and studies the scrap of PV modules.

88	Sumitomo Forestry Co Ltd	Japan	Consumer Discretionary
89	Norsk Hydro ASA	Norway	Materials
90	LONGi Green Energy Technology Co Ltd	China	Information Technology
91	Republic Services Inc	United States of America	Industrials
92	Sandvik AB	Sweden	Industrials
93	Ebara Corp	Japan	Industrials
94	Nibe Industrier AB	Sweden	Industrials
95	BorgWarner Inc	United States of America	Consumer Discretionary
96	Hanwha Q CELLS Co Ltd	Korea; Republic (S. Korea)	Industrials
97	Renewable Energy Group Inc	United States of America	Energy
98	Quanta Services Inc	United States of America	Industrials
99	GCL System Integration Technology Co Ltd	China	Information Technology

LONGi ranks 90 in Carbon Clean200

On February 19, 2019, *As You Sow*, a US NGO, and a Canadian market research firm Corporate Knights released the latest Carbon Clean200 index (Carbon Clean200)², renewing its ranking on the world's top 200 cleanest public companies. LONGi was among the world's top 200 green companies, ranking 90th in the world and 7th in China.

² The Carbon Clean 200 Index was first published in July 2016. Every six months, it ranks the world's public companies based on their absolute return in low-carbon products and services. The entry conditions include the market value of the company over 1 billion USD, and the revenue from clean energy exceeding 10% of the company's total revenue. This rank aims to encourage enterprises and investors to contribute to the future of clean energy.

ENVIRONMENTAL MANAGEMENT

LONGi takes the ISO14001 Environmental Management System as the basis. All the factories disclosed in this report have passed ISO14001 environmental management system certification, and related departments will be reviewed. Any issues found will be corrected timely and will be reported to the company management on a regular basis.

LONGi strictly implements the environmental impact assessment system for projects under construction, to ensure the environmental impact assessment for projects is carried out orderly in compliance with laws and regulations. All factories are required to prepare EHS plans, conduct environmental monitoring, and strictly control the collection and disposal of waste materials, including sewage, waste gas, and hazardous solid waste. LONGi conducts monthly inspections and annual reviews to upgrade technology continuously. The company also increases the investment in environmental protection efforts and facility maintenance, so as to ensure the compliance with high environmental protection standards in operations. The company strictly abides by the national environmental protection laws and regulations, formulates the "Emergency Plan for Environmental Pollution Accidents" and files reports with local environmental protection departments. LONGi has established a comprehensive system with environmental risk prevention and control measures, and emergency responding management systems for various types of risks.

LONGi Wafer Business Unit's Xi'an Slicing Factory and Ningxia LONGi are closely monitored by environmental protection authorities with a focus on the disposal of sewage and hazardous waste. During the reporting period, the factories' waste disposal was in full compliance with environmental protection standards. For LONGi Wafer Business Unit, the compliance rate of sewage discharge, factory noise monitoring, waste gas emission, and solid waste disposal all reached 100%, with zero major environmental pollution accidents recorded during the reporting period. In 2017, the Xi'an Slicing Plant was awarded the "Excellent Environmental Protection Company of Xi'an Space Industry Development Area" and was rated "Excellent" in the performance review on clean production in 2019. LONGi's Wafer Business Unit's Xi'an Slicing Plant and Yinchuan LONGi factory has been listed as one of the "National Green Factories" by the Ministry of Industry and Information Technology, which is the recognition of LONGi's green manufacturing concept and practice.

ENERGY CONSUMPTION

All of LONGi's production units use electricity as the power source. The group has established a special cost accounting mechanism to supervise power consumption, with set targets for energy consumption and regular assessments. The group conducts regular analysis on power consumption, adopting control measures to save energy and reduce costs, to ensure that the group's energy consumption meets its targets set for

each phase of development. Noting that LONGi Wafer BU's energy consumption is relatively higher due to the technical requirements for production, the LONGi Wafer BU has established an energy management system with energy-saving manuals and regulations.

During the reporting period, the company's electricity consumption is 3,538,637,609 kW·h, an increase of 74.69% compared to 2018. The electricity use hike is mainly due to the increase in production capacity and the growing output of factories.

Table 3-1 Statistics of Power Consumption for Production of LONGi Wafer Business Unit and LONGi Solar Business Unit from 2018 to 2019

Business Unit	Factory	Power Consumption for Production in 2018 (kW·h)	Power Consumption for Production in 2019 (kW·h)	Percentage of Renewable Electricity (Factory direct use or the percentage of renewable energy out of gross energy consumption in the regions the factories locate)
LONGi Wafer Business Unit	Xi'an Slicing Plant	73,467,989	89,530,000	20.30%
	Ningxia LONGi	294,180,000	360,650,000	25.20%
	Yinchuan LONGi	991,524,843	1,296,605,640	25.20%
	Baoshan LONGi	85,060,135	607,832,663	100%
	Chuxiong LONGi	53,440,200	141,029,491	92.00%
	Lijiang LONGi	166,249,880	532,448,170	92.00%
	Wuxi LONGi	72,643,442	80,451,574	15.83% including 1.13% by solar
	Sub-total	1,736,566,489	3,108,547,538	
LONGi Solar Business Unit	Taizhou LONGi SOLAR Module Factory	51,797,530	53,579,683	16.43% including 1.73% by solar
	Yinchuan LONGi SOLAR	4,739,240	5,429,440	25.20%
	Zhejiang LONGi SOLAR	33,587,580	30,154,634	17.80%
	LONGi SOLAR Xi'an Module Factory	/	3,105,053	20.30%
	Datong LONGi SOLAR	/	5,751,233	16.40%
	Chuzhou LONGi SOLAR	/	53,987,880	14.90%
	Taizhou LONGi SOLAR Cell Factory	160,114,255	150,057,385	14.70%+
	Hefei LONGi SOLAR	38,887,758	45,525,552	14.90%
	Ningxia LONGi SOLAR	/	82,499,211	25.20%
Sub-total	289,126,363	430,090,071		
Total	/	2,025,692,852	3,538,637,609	

* Note: 1. The data comes from the statistics of each factory of LONGi Wafer Business Unit and LONGi Solar Business Unit; 2. In this table, the electricity consumption of Yinchuan LONGi SOLAR and Hefei LONGi SOLAR factories was revised in 2018, "/" means statistics not available. 3. The figures of the percentage of renewable energy power in the provinces and regions where LONGi Factories locate is quoted from the "National Renewable Energy Power Development Monitoring and Evaluation Report 2018" by the National Energy Administration of China and related data.

The group has worked tirelessly to increase the percentage of renewable energy consumption. The company started planning new factories in China's Yunnan Province and Kuching of Malaysia, in order to use the local hydropower for production. Currently, Baoshan LONGi in Yunnan Province is operating 100% on renewable energy. Wuxi LONGi's factory roof PV power station is generating 912,775kw·h of electric power annually, accounting for 1.13% of its total production power consumption. Taizhou LONGi Solar's factory roof PV power station is generating 9,271,383kw·h of electricity annually, accounting for 1.73% of its production power consumption. Renewable energy directly used by the whole group in 2019 reached to 618,016,821 kw·h. And additional renewable energy use, the "indirect calculations", are made according to the certain percentage of renewable power out of total energy consumption for provinces and regions where LONGi's factories locate in. The total of LONGi's renewable energy use in 2019 reached to 1,757,609,814 kw·h, accounting for 49.67% of the group's total energy consumption, higher than the 2018 level of 33.61%. LONGi Group is increasing renewable energy use year by year.

WATER CONSUMPTION

LONGi's wafer and cell production are two key areas that involve water consumption. For the production of modules, only one production process requires a humidifier using a minimal amount of water. Most of LONGi's factories use municipal water supply or self-use water supply system. Ningxia LONGi Solar and Datong LONGi Solar are now partly using underground water, which has been gradually replaced. For certain production processes with special requirements, purified water is supplied with factory-based purification system. The group has also established a cost accounting mechanism for water consumption and formulated a water management system for factories. It conducts monthly statistics and analysis on the company's water consumption while comparing data regularly to reduce water consumption and costs.

Table 3-2 Water Consumption of LONGi Wafer Business Unit and LONGi Solar Business Unit from 2018 to 2019

Business Unit	Factory	Source of Water Supply	Total Water Consumption for Production (t)		Notes
			2018	2019	
LONGi Wafer Business Unit	Xi'an Slicing Plant	Municipal Water Supply	871,528	1,141,616	Partial self-water supply
	Ningxia LONGi	Municipal Water Supply	925,000	991,580	
	Yinchuan LONGi	Municipal Water Supply	3,951,716	4,972,428	
	Baoshan LONGi	Municipal Water Supply	982,247	1,954,769	
	Chuxiong LONGi	Municipal Water Supply	867,103	1,823,322	
	Lijiang LONGi	Municipal Water Supply	646,589	1,579,931	
	Wuxi LONGi	Municipal Water Supply	1,234,250	1,257,439	
Sub-total			9,478,433	13,721,085	
LONGi Solar Business Unit	Taizhou LONGi SOLAR Module Factory	Municipal Water Supply	/	120,919	
	Yinchuan LONGi SOLAR	Municipal Water Supply	200	2,347	
	Zhejiang LONGi SOLAR	Municipal Water Supply	/	101,130	
	LONGi SOLAR Xi'an Module Factory	Municipal Water Supply	/	11,000	
	Datong LONGi SOLAR	Self-water Supply	/	4,739	
	Chuzhou LONGi SOLAR	Municipal Water Supply	/	126,802	
	Taizhou LONGi SOLAR Cell Factory	Municipal Water Supply	2,018,609	1,903,299	
	Hefei LONGi SOLAR	Municipal Water Supply	426,751	455,639	
	Ningxia LONGi SOLAR	Municipal Water Supply	/	1,059,321	
Sub-total			2,445,560	3,785,867	
Total			11,923,993	17,506,952	

Note: 1. The data comes from the statistics of each plant of LONGi Wafer Unit and LONGi Solar Unit; 2. In this table, "/" means statistics not available.

Due to production techniques requirements, LONGi Wafer BU uses significant amount of water. The LONGi Wafer Business Unit has been promoting water-saving by conducting training and posting water-saving signs. Concentrated water is used for cleaning equipment and

water is used for cleaning equipment and making wastewater treatment chemicals. Wafer loaders reuse cleaning water used in production. The utilization of reclaimed water in LONGi factories reached 43.20%, an increase of 1.2% compared to last year.

Table 3-3 Reclaimed Water Recycling of LONGi Wafer BU 2018-2019

Factories	Use of Reclaimed Water in 2018 (t)	Percentage of Reclaimed Water Use in 2018 (%)	Use of Reclaimed Water in 2019 (t)	Percentage of Reclaimed Water Use in 2019 (%)	Calculation Method
Xi'an Wafer Slicing Factory	249,954	28.68%	208,602	18.27%	Flow calculation
Ningxia LONGi	362,000	39.14%	470,810	47.48%	Flow calculation
Yinchuan LONGi	2,526,441	63.93%	2,158,161	43.40%	Flow calculation
Baoshan LONGi	425,086	43.28%	1,440,000	73.67%	Flow calculation
Chuxiong LONGi	40,276	4.64%	190,800	10.46%	Flow calculation
Lijiang LONGi	307,518	47.56%	1,401,600	88.71%	Water meter estimation
Wuxi LONGi	67,591	5.48%	57,606	4.58%	Flow calculation
Sub-total	3,978,866	41.98%	5,927,579	43.20%	

Note: 1. The data in this table comes from the factory statistics of LONGi Wafer Business Unit.

EMISSION LOW CARBON OPERATION

Most of LONGi's carbon dioxide emissions come from electricity consumption during its production and operations. To reduce greenhouse gas emissions, the group places a focus on reducing energy consumption by increasing the use of renewable energy and promoting low-carbon operations.

The group has been planning and conducting EHS training, and putting up signs to promote energy-saving among employees. The group also worked on details like minimizing the standby-time for printers, and during production, using more clean energy, promoting the collection and re-usage of argon, and making thinner silicon wafers. Electric forklifts are used for transfer in the factories to reduce carbon dioxide emissions.

During the reporting period, LONGi initiated a project to investigate its carbon emissions and established a carbon emission list. The company also proactively applied for certification on the carbon footprint for its products. It also established contacts with international organizations, including Carbon Disclosure Project, World Wildlife Fund and Environmental Defense Fund, laying a foundation for the

disclosure of the group's carbon information and its scientific approach to realize carbon emission targets.

In December 2019, LONGi obtained France's CRE3 and CRE4 carbon footprint certificates. The certificates cover the carbon emissions in the entire life cycle of photovoltaic products, from raw materials to manufacturing, transportation, storage, disposal, recycling, etc.. LONGi's PV products manufacturing covers the entire industrial chain from wafers to modules. This made LONGi as the only enterprise in the photovoltaic industry covering the entire industrial chain to receive the certificates.



LONGi obtained France's CRE3 and CRE4 carbon footprint certificates

WASTE GAS EMISSION

The waste gas produced by LONGi factories mainly involves acidic waste gas, alkaline waste gas, and organic waste gas, which is discharged at a high altitude, after going through in-factory gas purifiers to satisfy emission requirements. LONGi

Wafer Business Unit has greatly reduced the emission of NMHC, after the renovation of its monocrystal furnace dry pump. During the reporting period, the waste gas emissions from all factories of LONGi Wafer Business Unit and LONGi Solar Business Unit have met the country's emission standards.

Table 3-4 Waste Gas Emission by Factory of LONGi Wafer Business Unit (2018 – 2019)

LONGi Wafer Business Unit	Year	Fluoride(t)	Chlorine(t)	Ammonia(t)	Sulfuric Acid Mist(t)	Nitrogen Oxides(t)	PM(t)	Volatile Organic Compounds(t)
Xi'an Slicing Factory	18	0.00035	–	–	–	0.65853	–	–
	19	0.0048	–	0.11076	–	0.0504	–	0.9798
Ningxia LONGi	18	–	–	–	–	1.3028	0.2509	–
	19	–	–	–	–	1.26	0.25	–
Yinchuan LONGi	18	–	–	–	–	8.32	5.01	3.01
	19	0.156	–	–	–	1.73	3.23	5.36
Baoshan LONGi	18	0.02	–	–	–	0.31	2.038	–
	19	0.11	–	–	–	3.63	1.924	0.024
Chuxiong LONGi	18	–	–	–	–	–	1.121	0.0173
	19	–	–	–	–	–	0.1994	1.052
Lijiang LONGi	18	0.32	–	–	–	3.22	0.98	–
	19	0.53	–	–	–	4.65	4.2	–
Wuxi LONGi	18	–	–	–	–	–	–	0.099
	19	–	–	–	–	–	–	1.19

*Note: 1.The data comes from summary of Factores' Environment Testing Reports of LONGi Wafer Business Unit. 2. VOCs in this table include NMHC emission figures; 3. The "/ " in this table indicates "not detectable."

Table 3-5 Waste Gas Emission of LONGi Solar Business Unit Factory (2018-2019)

LONGi Solar Business Unit	Year	Fluoride(t)	Chlorine(t)	Ammonia(t)	Sulfuric Acid Mist(t)	Nitrogen Oxides(t)	PM(t)	Volatile Organic Compounds(t)
Taizhou LONGi SOLAR Module Factory	18	–	–	–	–	–	0.3968	16.8874
	19	–	–	–	–	–	0.985	0.548
Yinchuan LONGi SOLAR	18	–	–	–	–	–	–	2.25
	19	–	–	–	–	–	–	0.5423
Zhejiang LONGi SOLAR	18	–	–	–	–	–	–	0.31
	19	–	–	–	–	–	2.295	1.397
LONGi SOLAR Xi'an Module Factory	18	–	–	–	–	–	–	–
	19	–	–	–	–	–	0.035	0.0183
Datong LONGi SOLAR	18	–	–	–	–	–	–	–
	19	–	–	–	–	–	0.02628	0.0010512
Chuzhou LONGi SOLAR	18	–	–	–	–	–	–	–
	19	–	–	–	–	1.44	6.7	0.356

LONGi Wafer Business Unit	Year	Fluoride(t)	Chlorine(t)	Ammonia(t)	Sulfuric Acid Mist(t)	Nitrogen Oxides(t)	PM(t)	Volatile Organic Compounds(t)
Taizhou LONGi SOLAR Cell Factory	18	0.3965	–	0.01907	–	2.6254	0.22704	2.856
	19	–	–	–	–	3.2	0.115	4.12
Hefei LONGi SOLAR	18	1.55	0.61	3.27	0.09	6.57	0.093	0.75
	19	0.66	0.17	–	–	0.51	0.54	3.678
Ningxia LONGi SOLAR	18	–	–	–	–	–	–	–
	19	0.015	–	2.685	–	1.296	1.84	0.076

*Note: 1.The data comes from the summary of Factories' Environment Testing Reports of LONGi Solar Business Unit. 2. VOCs in this table include NMHC emission figures; 3. The "-" / " " in this table indicates " not detectable."4. In this table, the 2018 emission data of Hefei LONGi SOLAR and the 2018 VOC emissions data of Taizhou LONGi SOLAR Cell Factory were revised.

SEWAGE AND WASTE

SEWAGE DISPOSAL

For sewage treatment, the group has built sewage treatment stations in each factory, purchased sewage treatment facilities, to ensure that sewage is treated in compliance with laws and regulations and the waste water disposal meeting emission standards. LONGi's Xi'an Slicing Factory is showing the real-time sewage treatment information for public supervision.

There was no industrial production sewage discharge in the module factories of LONGi Solar Business Unit. Taizhou LONGi SOLAR Cell Factory, Hefei LONGi SOLAR, and Ningxia LONGi SOLAR Factory produced sewage in the cell production process, which were 100% treated before disposal to comply with standards.



LONGi Xi'an Slicing Factory Sewage Treatment Station



Screen showing sewage treatment details outside LONGi Xi'an Slicing Factory

Table 3-6 Waste Water Disposal Record of LONGi Wafer Business Unit Factories (2018 – 2019)

LONGi Wafer Business Unit	Sewage by Production		Sewage Disposal Standard	Dispose to
	2018(t)	2019(t)		
Xi'an Slicing Factory	783,853	875,059	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard / T31962-2015 Wastewater Quality Standards for Discharge to Municipal Sewers Level B	Chang'an No.9 Sewage Treatment Factory
Ningxia LONGi	563,000	489,000	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Zhongning Sewage Treatment Factory
Yinchuan LONGi	2,513,700	1,778,827	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Yinchuan No.3 Sewage Treatment Factory
Baoshan LONGi	311,075	843,840	Integrated Waste Water Disposal Standard (GB8978-1996) Level 2 Standard (before the construction of in-factory waste water treatment station); level 3 standard after the Factory constructed.	East River
Chuxiong LONGi	867,103	1,396,426	Integrated Waste Water Disposal Standard (GB8978-1996) Level 2 Standard (before the construction of in-factory waste water treatment station); level 3 standard after the Factory constructed.	West River
Lijiang LONGi	212,310	899,000	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Industry Park Sewage Treatment Factory
Wuxi LONGi	742,289	817,335	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Meicun Sewage Factory of Xinwu District

*Note: 1. The data comes from summary of LONGi Wafer Business Unit factories.

There was no industrial production sewage discharge in the module factories of LONGi Solar Business Unit. Taizhou LONGi LERRI Cell Factory, Hefei LONGi LERRI, and Ningxia LONGi LERRI Factory produced sewage in the cell production process, which were 100% treated before disposal to comply with standards.

Table3-7 Waste Water Disposal Record of LONGi Solar Business Unit Factories (2018 – 2019)

LONGi Solar Business Unit	Sewage by Production		Sewage Disposal Standard	Dispose to
	2018(t)	2019(t)		
Taizhou LONGi SOLAR Module Factory	/	/	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Industry Park Sewage Treatment Factory
Yinchuan LONGi SOLAR	/	/	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Yinchuan No.3 Sewage Treatment Factory
Zhejiang LONGi SOLAR	/	/	Integrated Waste Water Disposal Standard (GB8978-1996) Level 3 Standard	Donggang Sewage Treatment Factory in Quzhou
LONGi SOLAR Xi'an Module Factory	/	/	/	/
Datong LONGi SOLAR	/	6,279	Wastewater Quality Standards for Discharge to Municipal Sewers (GBT31962-2015)	Municipal Sewage Network
Chuzhou LONGi SOLAR	/	58,440	Wastewater Quality Standards for Discharge to Municipal Sewers (GBT31962-2015) & Integrated Waste Water Disposal Standard (GB8978-1996)	Disposed into municipal sewage network and to Chuzhou No.2 Sewage Treatment Factory

LONGi Solar Business Unit	Sewage by Production		Sewage Disposal Standard	Dispose to
	2018(t)	2019(t)		
Taizhou LONGi SOLAR Cell Factory	1,475,740	1,658,408	Disposal Standard for Pollutants from Cell Industry (GB 30484-2013) Table 2: Indirect Disposal Standard	Municipal Sewage Network
Hefei LONGi SOLAR	/	252,649	Disposal Standard for Pollutants from Cell Industry (GB 30484-2013) Table 2: Indirect Disposal Standard	Tongwei Sewage Treatment Factory
Ningxia LONGi SOLAR	/	492,717	Disposal Standard for Pollutants from Cell Industry (GB 30484-2013) Table 2: Indirect Disposal Standard	Yinchuan No.3 Sewage Treatment Factory

Note: 1.The data comes from summary of LONGi Solar Business Unit factories. 2. The "/" in this table indicates "not detectable."

WASTE MANAGEMENT

In accordance with the national laws and regulations, the group has formulated a series of regulations and management mechanisms including the *Chemical Management System, Waste Material Management System, Hazardous Waste Management System, Silicon Material Recycle Management System, Packaging Material Recycle and Reuse Management Guidelines, and Occupational Health Management System*. These regulations have been implemented throughout the factories of business units.

NON-HAZARDOUS WASTE

In 2019, the total amount of non-hazardous waste generated by the factories under the LONGi Wafer Business Unit, including the Yinchuan LONGi, Baoshan LONGi and Wuxi LONGi reached 34,745.61 tons. The total amount

of non-hazardous waste generated by the LONGi Solar Business Unit factories, including Taizhou LONGi SOLAR Module Factory, Chuzhou LONGi SOLAR, Taizhou LONGi SOLAR Cell Factory, Hefei LONGi SOLAR and Ningxia LONGi SOLAR reached 25,867.69 tons. All were entrusted to qualified parties for disposal.

HAZARDOUS WASTE

Each Factory of the group has established a special hazardous waste warehouse in accordance with the *Hazardous Waste Management System*, storing the waste separately according to their categories, and entrusted a qualified third-party company for disposal. The LONGi Wafer Business Unit has formulated a *Hazardous Chemicals Management System* and renovated the dry pump to reduce the use of pump oil and the generation of wastes.

Table 3-8 Hazardous Waste Disposal Record of LONGi Wafer Business Unit and LONGi Solar Business Unit (2018-2019)

LONGi Solar Business Unit	Factory	Hazardous Waste Generated		Disposal Solution
		2018(t)	2019(t)	
LONGi Wafer Business Unit	Xi'an Slicing Factory	62.765	71.435	Entrust qualified parties for disposal
	Ningxia LONGi	38.03	44.18	Entrust qualified parties for disposal
	Yinchuan LONGi	289.89	87.9	Entrust qualified parties for disposal
	Baoshan LONGi	13	36.85	Entrust qualified parties for disposal/purification and recycling
	Chuxiong LONGi	26.593	125.033	Entrust qualified parties for disposal
	Lijiang LONGi	0	1.000	Temporarily stored in warehouse(not processed yet)
	Wuxi LONGi	6.93	14.16	Entrust qualified parties for disposal

LONGi Solar Business Unit	Factory	Hazardous Waste Generated		Disposal Solution
		2018(t)	2019(t)	
LONGi Solar Business Unit	Taizhou LONGi SOLAR Module Factory	11.57	49.14	Entrust qualified parties for disposal
	Yinchuan LONGi SOLAR	3.415	0	No hazardous waste generated as activated carbon used for absorption
	Zhejiang LONGi SOLAR	173.08	151.46	Entrust qualified parties for disposal
	LONGi SOLAR Xi'an Module Factory		26.865	Entrust qualified parties for disposal
	Datong LONGi SOLAR	0	1.4	Entrust qualified parties for disposal
	Chuzhou LONGi SOLAR		38.13	Entrust qualified parties for disposal
	Taizhou LONGi SOLAR Cell Factory	13.25	21.49	Entrust qualified parties for disposal
	Hefei LONGi SOLAR	15.06	16.96	Entrust qualified parties for disposal
	Ningxia LONGi SOLAR	/	0.60506	Entrust qualified parties for disposal

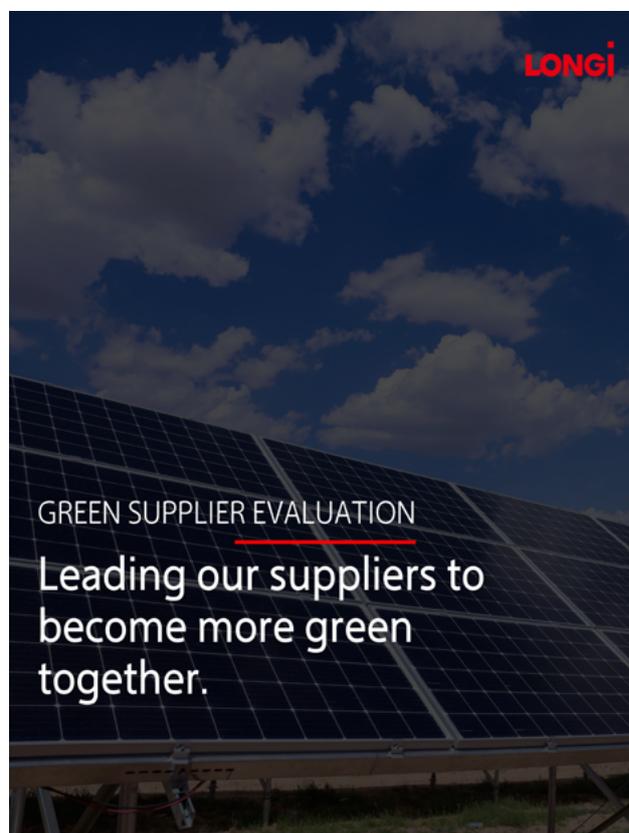
*Note: 1.The data comes from summary of LONGi Wafer Business Unit & LONGi Solar Business Unit factories. 2. The "/" in this table indicates "not detectable."

SUSTAINABLE PROCUREMENT

Recognizing that the risks regarding corporate social responsibility are increasingly affected by the supply chain, LONGi advocates to work jointly with upstream and downstream enterprises to shoulder social responsibilities, including environmental protection, energy conservation, and emission reduction. The company advocates to construct a green supply chain. At the same time, LONGi upholds the concept of "cooperation under the sunlight" and the principle of "fairness, justice, mutual benefit and win-win". LONGi strengthens communication and collaborative innovation with supplier partners, builds a healthy supply chain "under the sunlight", and takes actions to achieve sustainable procurement.

GREEN SUPPLY CHAIN DEVELOPMENT

Through the Supply Chain Management Center, LONGi requires its suppliers to follow the international ROHS directive and relevant requirements of OHAS18001 and ISO14001, detailing the requirements of environmental assessment in supplier approval and quality review. The group has established a Supplier Development Management Guideline, stipulating standards on the environmental assessment of suppliers.



The company also provides training for procurement personnel, requires the suppliers to provide relevant certificates (such as Business License for Hazardous Chemicals, Operation Permit Of Highway Transportation, License for Hazardous Waste Disposal, etc.). During the assessment of suppliers, review on quality assessment standards, including the supplier's environmental qualifications, are required.

Through on-site inspection, suppliers need to show that they are subject to the three-system review, which includes environmental protection during the manufacturing process, internal management, and how suppliers cope with environmental issues. In the selection of suppliers for silicon wafers and other key materials, the group prefers suppliers with outstanding environmental protection performance. In the purchase agreement of raw materials and auxiliary materials, requirements on the supplier's environmental performance are also stipulated. In case of a violation, the supplier is required to submit a Preventive and Corrective Action Report (PCAR), and be supervised and trained, so as to continuously improve the suppliers' environmental management. During the reporting period, the company initiated an internal review of the supplier's development process to ensure that the supplier's environmental management system certification inspection and quality audit were completed as required during the development of new suppliers.

Currently, more than 80% of the group's suppliers of principal and auxiliary materials and equipment have either established or been refining a solid environmental management system and occupational health and safety management system, and have obtained official certificates. LONGi's supply chain has also urged suppliers to check on "Conflict Minerals" and make commitments not to use "Conflict Minerals." In 2019, the suppliers that received environmental impact assessments accounted for 2.7% of total suppliers, up 0.6% compared with 2018. Suppliers that received environmental assessments are mainly located in Shaanxi, Shanxi, Jiangsu, Shandong, among other provinces/regions.

SUPPLIER MANAGEMENT AND COMMUNICATION

LONGi Group is developing fast, with its suppliers across the world. 90% of LONGi's suppliers are in China and 7% from Malaysia. In 2019, LONGi Kuching's suppliers provided the products covering 0.74% of LONGi Group's overall procurement of the year, mainly providing services for Kuching

LONGi. Local jobs were created as these Malaysia-based companies offer services to LONGi Kuching, creating new momentum for local economic growth.

LONGi Group improved its supplier management system to cope with the rapid development. Specific requirements are clearly defined, including the supplier qualification review, development process, and exit mechanism. A review standard on various materials was perfected. Over 700 suppliers were comprehensively reviewed and classified for their product quality, pricing, delivery, and services. For those suppliers that cannot satisfy these standards, the group will help these suppliers with specific coaching programs. For the suppliers that failed to satisfy certain standards for longer time, they will be eliminated. The company has continuously optimized its supplier system and database.

The company actively guides suppliers to jointly create a sustainable and healthy procurement environment, and requires suppliers to sign the *Anti-Corruption Cooperation Commitment*. Currently, excluding authorized business, 95% of suppliers have signed the *Anti-Corruption Cooperation Commitment*. In the procurement agreements for raw materials and auxiliary materials signed with suppliers, suppliers are required to establish and effectively operate a corporate social responsibility management system with reference to social and environmental standards and relevant regulations, and obtain relevant third-party certification. If suppliers do not obtain certain certifications, they must propose a plan on when and how they can be certified. The company gives priority to suppliers who have obtained certifications.

LONGi has built the supply chain information management system. An information platform established to simplify transactions to achieve high-efficient procurement. In 2019, LONGi Group officially launched a web-portal for suppliers, making information disclosure, communication, and specific procedures for procurement available and timely on the internet. This helps to create a convenient communication platform between LONGi and its partners in the supply chain. The launch of the supplier portal not only conveys LONGi's concept of building a supply chain ecology but also facilitates the suppliers for better information exchanges, more convenient business consultation, and more effective cooperation and feedback channels. This has much helped in establishing the convenient and efficient cooperation between LONGi and its suppliers.



LONGi Group Supplier Chain Web-Portal

COLLABORATIVE INNOVATION

LONGi Group hopes to carry out collaborative innovation jointly with suppliers with high synergies and leading technologies. Technology advantages shall be strengthened through joint technology development, resource sharing, and leveraging complementary strengths. The technological innovation achievements will be jointly protected by both parties. The company also constructs a benefit-sharing mechanism, which will help share the profits of the industrial supply chain in a reasonable approach and ensure the advantages and benefits of its suppliers. These efforts will eventually create higher value for customers and realize the healthy development of the PV industry.

On November 29, 2019, LONGi Group held the 2019 Supplier Conference. The theme of the conference was "Collaborative Innovation and Green Development." In his speech, Mr. Zhong Baoshen, Chairman of LONGi Group, said that LONGi had been committed to forming a high level of synergy and consensus with its suppliers. He added that LONGi will provide financial support, technology support, and business investment for collaborative innovation with its partners. With complimentary advantages and innovation capabilities, LONGi and its suppliers will lead the development direction for the industry in the future. At the conference, suppliers that have supported the development of LONGi Group with high-quality products and services were honored with awards. Also, panel discussions were held on "Technical Routes & Collaborative Innovation" and "Green Development & Quality Improvement". Suppliers and LONGi's executives shared opinions on themes regarding "supply chain management," "building a supply chain under the sunlight," "industry strategy analysis," and "supply chain finance," etc.



Panel Discussion on Collaborative Innovation at the LONGi Supplier Conference 2019

LONGi set up a "Solar Technology Innovation Platform" on its website. LONGi Group encourages companies and individuals who have innovative ideas on technologies, techniques, materials, products, and business models in the solar technology or the general renewable energy sector, to collaborate with LONGi and achieve win-win results. LONGi Group hopes to join hands with its global partners, within or outside the PV industry, to innovate and continue improving the solar technologies. These efforts will help the global PV industry expand continuously.

04. SOCIETY

EMPLOYEE DEVELOPMENT

LONGi takes "respect," "opportunity," and "incentive" as the keywords for its human resources development philosophy. "Respect" is to respect everyone, regardless of position, and respect everyone's personalities, beliefs, personal hobbies, and privacy. "Opportunity" is to value employees' suggestions and opinions, and believe that participation can improve their sense of mission. And creating career development opportunities for employees is the very core of LONGi's talent management. "Incentive" is to treat every employee fairly and provide benefits that match job achievement in a timely manner.

PROMOTING FAIR EMPLOYMENT

LONGi pursues an open, fair, and equal employment policy, and actively maintains a harmonious and stable relation with employees. LONGi, along with its global factories and offices, abide by the international human rights conventions and the local labor standards, laws, and regulations. The company resolutely forbid forced labor during production and services. LONGi does not interfere with employees' freedom of religion and does not tolerate any discrimination on employees' ethnic minority, race, nationality, religion, gender, age, disability or marital status, etc. LONGi respects the employees' right to form their organizations freely and conduct group negotiation. The company does not hire child labor and insists on equal pay for equal work among males and females to promote gender equality.

As of December 2019, LONGi has 32,873 formal employees in mainland China and Kuching, Malaysia, all of whom work full-time. Among them, there are 24,433 male employees, accounting for 74.33%, and 8,440 female employees, accounting for 25.67%. Based on different business locations, there are 29,390 employees in mainland China, accounting for 89.40%, and 3,483 employees in Kuching, Malaysia, accounting for 10.60%. The company's workforce is very young, with employees under 35 accounting for 86.69% and employees aged between 36 to 45, accounting for 11.87%. Employees for production and operations account for 74.27%. LONGi values the development of the R&D team, with technical personnel account for 12.23% of LONGi's global workforce.

Table 4-1 LONGi Group Formal Employees Statistics by December 2019

FORMAL EMPLOYEE

Business Locations	Male	Female	Total
Mainland China	22,351	7,039	29,390
Kuching, Malaysia	2,082	1,401	3,483
Total	24,433	8,440	32,873

*Note:1. The data of this table is provided by the LONGi Human Resources Management Department.

Most of LONGi's production and operation activities are undertaken by formal employees. In addition, the company also employs informal employees, such as interns and consultants. As of December 2019, there were 1,598 informal employees. According to the needs of production and operation, LONGi hired dispatched workers. As of December 2019, there were 3,565 outsourcing workers, accounting for 9.37% of the total workforce.

The company pays attention to localized management and training for talents, creates diversified while equal opportunities. In Kuching LONGi in Malaysia, all senior executives are Malaysian. In 2019, 263 employees in Mainland China and 7 employees in Kuching, Malaysia, were promoted.

LONGi's social insurance and benefits for full-time employees in China include:

5 Social Insurances & 1 Housing Fund: the company pays all kinds of social insurance for full-time employees, including pension insurance, unemployment insurance, healthcare insurance, employment injury insurance, maternity insurance, and provide housing funds for qualified employees.

Holiday & Leaves: national & regional holidays, and annual leave, newly-weds leave, maternity/paternity leave, sick leave, breastfeeding leave, bereavement leave, personal leave, employment injury leave, etc.

Other Benefits: accommodation allowance, transportation allowance, annual physical examination, stock incentive, employee care, employee activity expenditure, team leader activity expenditure, flexible credits, telecommunication allowance, labor protection supplies, etc.

TRAINING AND EDUCATION

As the company continues to expand with more employees on board, fast-speed growth can only be guaranteed by training and education on organizational efficiency and operation quality. The company, following the management requirement of "empower, enable and incentivize," drafted the *Training Management Guidelines* to develop a training mechanism that can fully incentivize its employees and encourage the company and its workforce to achieve long-term development. In 2019, the company revised the *In-house Lecturers Management Guidelines* and identified 50 "seed" lecturers and 20 lecturers teaching quality courses. The company also held the first annual outstanding lecturers evaluation to encourage staff lecturers. The course system was developed based on the needs for business development, which includes the quality courses, staff micro-courses, standardized onboard training that applied to the whole group. Other courses, such as the non-standardized onboard training and professional courses, were developed based on the business units' specific requirements. LONGi also worked with universities to tailor-made courses for LONGi Class in the universities. The Human Resources Management Center, along with the Group's Labor Union, jointly launched the "LONGi Coach Workshop," to introduce new training techniques. Over the past year, a total of 15,700 sessions of training were conducted, training 460,410 person-time. A total of 55,832.7 course-hours were taught, and the average training time for LONGi's employees reached 1.47 hours.

The "Day-to-Day Growth HRBP Empowering Training Project" was held, with external consultants joining, to have employees master the HRBP skills. The company also held training on activation, having employees discuss targeted solutions on challenges during the business process.



HRBP Employee Empower Training Activity

The LONGi Lecture Hall is a program with courses developed after inquiring about the needs of employees. The program

included 2 Leadership Lectures taught by LONGi Chairman Zhong Baoshen, and 3 open lecturers on management, 1 lecture on career development, and 1 lecture on professional skills.



LONGi Senior Executive Lecture Poster



LONGi Senior Executive Lecture Poster

Staff lecturers also participate in the training events, with the theme of "empowering each other and achieve growth." These lecturers participated in annual training, and employees will vote for good-performing and outstanding lecturers. On the Teachers' Day, lectures would receive Teachers' Day gifts. The company will also organize an annual event to honor these lecturers.



LONGi Employees Vote for Outstanding Lecturers

For LONGi's business units, the LONGi Wafer Business Unit organized training with the theme of "Project Eagle" and "The Rising Sun Project." And LONGi Solar Business Unit organized the boot camp for front-line managers themed "Gold Medal Team Leaders."



LONGi Solar Business Unit Training for Factory Team Leaders

EMPLOYER BRANDING

With the rapid development of international business, LONGi understands that the focus of LONGi's human resources strategy is attracting outstanding talents to join LONGi and retaining them. Based on the life cycle of employees, LONGi unveiled its employee value proposition as "A Bright Industry, A Common Cause". to provide the best employee experience and an excellent platform for career development. LONGi strives to have its employees recognize LONGi's employer branding, which inspires employees to be more devoted to their work. The company also works hard to improve the sense of pride, honor, and responsibility among employees. In 2019, LONGi officially released the VI system for LONGi's employer brand, which could help the company to improve the influence of its employer branding.



On-board Package Delivered to New Employee

To create a good working atmosphere, LONGi conducted its third survey on the organizational atmosphere, focusing on how members of the teams feel about their work. These surveys could help team leaders better guide team members to improve their experiences during work. The LONGi Group Human Resources Management Center has worked hard to provide standardized onboard experiences for new employees. Each new employee will get standard office supplies and necessities for office use. This could help the staff enhance the sense of belongings as newcomers.

To effectively improve LONGi's employer brand awareness and attractiveness in universities, the LONGi Group Human Resources Management Center works closely with key universities, inviting students to join the "Light Chaser" students internship program and the LONGi Open Day. In 2019, more than 1,000 university students from 13 universities and colleges joined LONGi's internship program.



Students and Faculty from Northwestern Polytechnical University Visited LONGi Group

In 2019, LONGi was honored many times for its outstanding employer branding, innovative way to attract global talents and talent retention measures. These honors and recognitions included the "2019 China Best Employer with Great Development Potential", "2019 Employer Excellence of China", "Best Model Award for Talent Attraction and Retention." LONGi's employer brand video of "Your Talent Can Change The World" was honored the "Best Employer Branding Video" Award. LONGi Group has provided good experiences for candidates in and outside the PV industry.

HEALTH AND SAFETY

The company follows the EHS policy of "Obeying Laws and Regulations, Clean Production, People-oriented, Safety & Health," and attaches the importance to employees' occupational protection. LONGi Wafer Business Unit and LONGi Solar Business Unit both passed occupational health and safety OHS18000 certification and promoted the conversion of the ISO 45001: 2018 certification system. The company sets occupational health and safety management goals on an annual basis. The company regularly conducts the testing for occupational disease hazard at the factories, and the test results are kept in the enterprise's occupational health files. The information is disclosed to employees on a regular basis. When employees are diagnosed with diseases that are identified as occupational diseases in accordance with the Regulations on *the Prevention and Control of Occupational Diseases*, the company will report timely and cooperate with investigations in accordance with national or local laws and regulations to protect employees' rights.

Table 4-2 LONGi Occupational Health and Safety Management Goals

CATEGORY	GOALS
OCCUPATIONAL DISEASE	0
FIRE DISASTER	0
PRODUCTION SAFETY ACCIDENT	No major and fatal accident, and the incidence of accidents with minor wound was less than or equal to 2‰

LONGi has formulated "Management Measures for the Treatment of Occupational Injuries" to standardize the procedures for handling industrial injuries. When employees suffer occupational injuries, they are identified and handled in accordance with relevant laws.

EMPLOYEES' RIGHTS PROTECTION

With the mission of "serving employees and supporting business," the LONGi labor union is serving as a communicator of trust between the company and its employees. The labor union bridges people and handles employee protection, dispute mediation, and the improvement of quality of the dining hall services and meals. The union plays a key role in promoting the harmonious relationship between the company and employees.

All employees of the group are labor union members. The union and the enterprise signed a contract to protect the employees' legal rights on work-related policies, payment, insurance, labor protections, and benefits. The labor union also cares about the health of employees, and conducts regular health inspection, strengthen and improve hygiene conditions in workplaces. The union also provides labor protection for employees and special protection for certain types of work and female workers.



The First General Meeting of the LONGi Group Labor Union

The company encourages employees to organize labor unions to ensure their rights. In March 2019, the Labor Union of LONGi Group was officially formed. By the end of 2019, there are 23 labor union organizations in the Group headquarters, business units, and subsidiaries. There are 53 employees (part-time or full-time) representing staff interests. The labor union cherishes the opinions from the employees, organizes employee seminars at headquarters and subsidiaries, and listens to the opinions and suggestions of employee representatives on company development, operation & management, etc. The company appointed special representatives to follow up and resolve these issues. The labor union also conducted satisfactory seasonal surveys on the employee canteen among employees. The result will be a key basis for the company to manage its catering suppliers.



LONGi Group Headquarters 2019 Annual Staff Representative Meeting

The labor unions motivate the staff to participate in the disclosure of factory-related affairs. The meeting system for a more democratic management environment was optimized, with the labor unions, both at the group HQ level and subsidiary level, shall hold representative meetings every year. In May 2019, the second assembly meeting for the 4th LONGi Group Labor Union was held, with 51 representatives attending and 33 proposals by the employees collected. There were a total of 11 proposals that were approved by the assembly meeting, which the labor union will push for implementation. In December 2019, the Group Labor Union was honored as the 4-star labor union among Xi'an City Manufacturing Industry Workers' General Assembly.



The LONGi Group Labor Union was honored as a four-star union by the Xi'an General Labor Union

EMPLOYEE ACTIVITIES

Caring employees and organizing activities are the key work for LONGi Group's labor unions. The labor unions always take care of employees and help them solve practical issues. The labor unions have initiated many employee caring programs, including holiday benefits, employee health care, family care, etc. These efforts have helped to improve employees' sense of belonging.



Group Photo for LONGi Group's 2019 Badminton Competition

The labor unions held 23 employee events during the report period, including 9 online events and 14 off-line events. These events included the LONGi sports competitions, cultural events, charity events, with each event attracting over 1,000 employees. The highlights of these events are shared on the labor union's Wechat account. The satisfactory survey found that the employees' average satisfaction rate in these events was 92%.



LONGi Group 2019 Cross-Country Race

On May 17, 2019, the Group's Human Resources Management Center and labor union held the LONGi Group 2019 cross-country race in Xi'an City Sports Park. More than 170 LONGi employees participated in the race. This allows employees to understand better about the company's "Delighted" corporate value, and increase satisfaction about work.

The Group has 10 employee libraries, encouraging employees to read and study more. The headquarters of the Group opened an employee activity center with various



Badminton Court at the Staff Activity Center in Group's HQ

sports areas for aerobic, body-building, body-sculpting, and brain exercise for employees. After work hours, the employees can relax and relieve stress. The Group currently has 10 employee activity centers, with 8,000 square meters of space. In response to UNICEF's "10 Square Meters for Mother Love" initiative, the company's labor union set up a total of 6 employee nursery rooms across the group to create a relaxed and warm environment for "workplace mothers" and let female employees feel the joy and care at these special rooms.

CORPORATE CULTURE

LONGi Group attaches importance to cultivating corporate culture and shared values, and encourage employees to actively learn and practice corporate culture. The value of "Reliable", "Value-Added" and "Delighted" is the basic principle and value proposition of the company, which is advocated by LONGi. LONGi put forward the shared values and code of conduct for employees: Customer First, Take Initiative, Improvement & Innovation, Drive Growth, Integrity & Dedication, Be Honest & Objective, Be Kind to Others, Be Open & Inclusive, and Team Coordination. In 2019, LONGi Group's Human Resources Management Center started the evaluation of employees' understanding of values. A third-party evaluation agency, based on LONGi's core values and code of conduct, adopted a 360-degree evaluation method to promote the implementation of corporate cultural values.



LONGi Corporate Culture Exhibition



"Stories of LONGi" Event

Efforts were made as the company continuously improves the understanding and recognition of corporate culture among employees, creates a pleasant atmosphere that all staff values corporate culture, and hopes to further develop it. In 2019, the 2nd LONGi Group Corporate Culture Festival was held to promote corporate culture, including three events – "Online Knowledge Contest," "Impression of LONGi," and "Stories of LONGi." There were 24,668 employees participated in these events, with the participation rate reaching 76%. 9,024 people obtained full marks at the online knowledge contest, over 1,919 cases on corporate culture were shared, and 1,009 works of calligraphy, painting, handicraft, photography, and other works were exhibited. These activities enriched the cultural experiences for employees and improved their understanding and recognition of the corporate culture.

CHARITY

LONGi Group is committed to charity and regards public social welfare as one of the substantive issues of its corporate social responsibilities. LONGi Group has carried out many kinds of charity events, with the priorities in line with the United Nations 2030 Sustainable Development Goals (SDGs). These events are carried out in line with "Goal 7 – Ensure access to affordable, reliable, sustainable and modern energy for all", "Goal 4 – Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all", "Goal 13 – Take urgent action to combat climate change and its impacts" and "Goal 11 – Make cities inclusive, safe, resilient and sustainable". LONGi has established a charitable donation mechanism to coordinate and manage the whole company's donations and charity, making sure that the charity activities of the headquarters and all business units are in line with the company's social responsibility planning and philanthropic ideas. The company aims to make contributions to SDGs goals with its efforts.

LONGI ONE PERCENT FOUNDATION

To carry out charity activities in a consistent and professional manner, LONGi Group, along with many other charity efforts from all sectors of society, initiated the LONGi One Percent Foundation of RCSC, a non-public foundation in 2010 registered at the Red Cross Society of China. The foundation, with the concept of "one percent of the donation, one hundred percent of change," advocates everyone to donate no less than 1% of their annual income or time in social public welfare activities. Since its founding, LONGi One Percent Foundation has made many donations, including supporting the reconstruction of Yushu City of Qinghai after the magnitude-7.1 earthquake in 2010, curing children with congenital heart disease in Tibet together with the local Armed Police Hospital, and offering a scholarship to support more than 800 students to finish school. In 2019, LONGi One Percent Foundation completed the second phase of Lanzhou University's "Excellence and Inspiration" scholarship program (2015–2019). Over the past 10 years, the program had funded 100 students from Lanzhou University. On the occasion of the 110th anniversary of Lanzhou University, LONGi One Percent Foundation and Lanzhou University Shaanxi Alumni Association jointly launched the "Lanzhou University Student and Teacher Aid" project. The registered donation amounted to ¥5 million, or 0.7 million USD, which will continue the support for Lanzhou University on education development.



中国红十字会隆基百分之一基金
LONGi One Percent Foundation Of RCSC

SUPPORTING EDUCATION

LONGi believes that supporting education is an important part of fulfilling the company's corporate social responsibilities. Combined with the company's business development and talent needs, LONGi continues to promote the development of China's education through public welfare projects and activities, building photovoltaic power plants for schools, and engaging in university-company cooperation.

In 2019, LONGi Group donated an 18.6kW PV power station to Longji Middle School in Xixiang County, Hanzhong City of Shaanxi Province, where Mr. Jiang Longji, a famous educator in China and the former headmaster of Lanzhou University, studied when he was young. LONGi coordinated and promoted the LONGi One Percent Foundation to establish a scholarship of ¥100,000 (\$14,122) . The Xixiang County Red Cross Society would donate the scholarship to Longji Middle School students in three years to support students from low-income families to finish school. LONGi also organized the "Cui Ying Wei Guang" summer camp, together with the Education Development Foundation of Lanzhou University. During the summer camp, 14 volunteers from the Xinhua Welfare Association of Lanzhou University lived with 40 students from Longji Middle School, helping these students from rural areas learn more about the outside world. At the closing ceremony of the camp, the LONGi labor union also organized employee representatives to donate sports equipment to the school. The employees experienced the pleasure and meaningful participating in public welfare activities.



Longji Middle School in Xixiang County Summer Camp

LONGi attaches great importance to the exchanges with renowned universities and promotes school-company cooperation. In 2019, LONGi Group and the School of Physical Science and Technology of Lanzhou University started school-company cooperation. LONGi will donate ¥1 million each year to support scientific research, talent training, faculty building, and campus activities, and help the school develop "first-class discipline" among Chinese universities.



LONGi started cooperation with the School of Physical Science and Technology of Lanzhou University



Chuxiong LONGi donated the Slicing machine as teaching equipment to Lufeng Vocational Middle School

In addition, LONGi Solar Business Unit donated a broadcasting system to Zhanjiang Yanitang Village Primary School through the Guangdong Charity Association to improve the school's operation conditions. Taizhou LONGi Solar Factory held an open day to receive teachers and students from Changzhou Institute of Technology and Changzhou Engineering Vocational Technology College. For factories under the LONGi Wafer Business Unit, Baoshan LONGi has started cooperation with Yunnan Engineering Vocational College, Baoshan College, and Baoshan Technician College. Lijiang LONGi and Panzhihua College have also started cooperation.

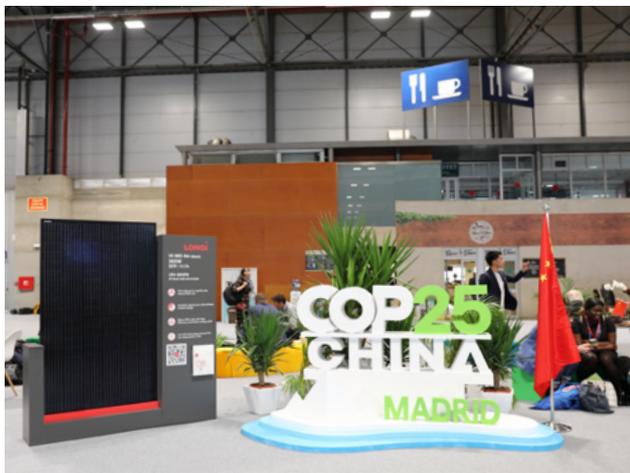
While Chuxiong LONGi donated ¥15,000 to Lufeng County through the Yunnan Red Cross Society and continued to participate in the 2019 Lufeng County Donation Funding Charity. Chuxiong LONGi also donated teaching equipment and provided internship opportunities to Chuxiong Normal College and Lufeng County Vocational Senior Middle School. LONGi's factory in Chuxiong has established a close partnership with local schools and helped promote local education.

CLIMATE CHANGE ACTIONS

LONGi Group, based on the characteristics of the photovoltaic industry, continues to participate in the agenda of the UN Climate Conference, actively carries out photovoltaic science education for college students, and participates in clean heating projects in rural areas. With these efforts, LONGi is helping more and more people, especially college students, realize the urgency of global climate change and how PV technology can be a powerful tool to tackle climate change issues. LONGi also shared its insights on the PV industry development outlook and encouraged more communities to work together in resolving this global climate change crisis.



Students from Hong Kong Polytechnic University visited the wafer production workshop



LONGi's Module products exhibited at COP25

In 2019, more than 500 students from 9 universities visited LONGi Group. They experienced the leading technologies and manufacturing capability of LONGi Group, who leads China's PV industry. On July 24, more than 100 students from Hong Kong Polytechnic University and Harbin Institute of Technology visited LONGi Group and started a unique exploration of the photovoltaics industry. At the LONGi Xi'an slicing factory, students from Hong Kong were attracted by the monocrystalline silicon wafers, as thin as $180\ \mu\text{m}$, cut by diamond wire. The students were impressed by LONGi's leading manufacturing techniques. In the exhibition hall of LONGi Group's headquarter, students from the Harbin Institute of Technology, a university dubbed as the "cradle of engineers," were inspired that LONGi's industry-leading R&D investment and the domestic substitution of the diamond wire cutting technology.

Promoting clean heating in the vast rural areas can effectively reduce China's carbon emissions to tackle climate change issues. In 2017, LONGi built 6.4MW distributed photovoltaic power plants on the rooftop of 544 village clinics in Guyuan City, Ningxia Hui Autonomous Region. Using the clean energy technology of photovoltaic to power indoor heating in the winter, the grassroots-level village clinics are providing a more comfortable environment in the winter. Coal-fired stoves are replaced by clean and pollution-free solar power heating, making these clinics cleaner and warmer. LONGi donates ¥1.632 million to all village clinics every year, to help further reduce the use of coal and promote clean heating transition in low-income mountainous areas in central and western China. In 2019, LONGi Group joined the "China Corporate Climate Change Action" of China Champions for Climate Action (C Team), a non-profit organization located in Shenzhen, and participated in its "Green Rural – Cleaning Heating" project in Yan'an, Shaanxi. LONGi donated highly efficient monocrystalline bifacial half-cut PV modules and support households to implement the "solar power + water-heating" model. And that is how LONGi helps promote the clean energy transformation in rural areas.

PARTICIPATING IN COMMUNITY ACTIVITIES

LONGi Group values its relations with the local communities where its businesses locate. The company hopes to support the sustainable development of these communities. By making donations, purchasing local goods for employee benefits, and organizing community charity activities, LONGi promotes a harmonious atmosphere within these communities.

During the reporting period, LONGi's subsidiaries provided support and assistance to the local communities. Chuxiong LONGi invested ¥60,000 in improving the environment of Zhaoyuan Village, a poverty-stricken village in Heijing Township, Lufeng County of Chuxiong City in Yunnan Province. Ningxia LONGi carried out a poverty alleviation project in Xutao Township, Zhongning County, Ningxia Hui Autonomous Region, and purchased office equipment and donated it directly to the village committee. LONGi's Huaping subsidiary donated ¥100,000 to the 2019 Local Basketball Games in Huaping County to activate the sports and cultural life of the community.

Poverty alleviation by the procurement of goods and services from the poverty-stricken regions is a new form to alleviate poverty that is advocated and supported by the Chinese government. In 2019, LONGi continued its sustainable development projects for communities in Xiayuan village, Xiamaguan Town, Tongxin County, the Ningxia Hui Autonomous Region. The company invested ¥125,000 in planting trees in these poverty-stricken villages and helping with the honey products sales of the local co-operatives. Through a qualified factory with food processing and sales permit, the market value of these products increased. LONGi Group also procured local agricultural products from Zhashui County of Shaanxi Province as employee benefits, helping the villagers at the same time.



Products of Hongyuan beekeeping Cooperative in Tongxin County, Ningxia. Supported by LONGi Group.

The group also encourages employees to participate in community activities for public welfare. In May and September of 2019, the labor union of the group organized two "Collect Garbage with Love" activities to protect the Qinling Mountains. More than 60 employees and their family members hiked into the mountain area to collect garbage. The events also

enhanced employees' awareness of environmental issues. On September 10, LONGi Solar BU, together with Xi'an Beilin District Red Cross Foundation, jointly held an activity of "Visit with Warmth – Get Closer to Children from the Stars." LONGi employees, among other participants of the event, visited the teachers and children of an educational institution for mental disability children."



LONGi employees at charity activity held by community special education institution

POVERTY-ALLEVIATION

Eradicating all forms of poverty worldwide is the biggest global challenge facing the world today and an inevitable requirement to achieve sustainable development. "No Poverty" is also the first goal among the 17 UNSDGs. LONGi actively participates in targeted efforts of poverty alleviation through constructing solar power stations with products of advanced technology. LONGi Group, as a front-runner with leading standards, has paved its way for poverty alleviation with PV products.

LONGi Clean Energy Business Unit built several PV power stations (total capacity 100MW) in Datong County and Guangling County of Shanxi Province, Shenrao Area of Hebei Province, and Baisha County of Hainan Province, helping 3,467 low-income families increase their income. Photovoltaic power stations could benefit each low-income family with about ¥3,000 (423.73 USD) of additional income each year, and help them enjoy long-term and stable income to live above the poverty line. In 2019, LONGi Solar Business Unit provided 196MW high-efficiency solar modules to Yunnan Province, accounting for 85% of the total PV poverty-alleviation projects. These PV stations benefit a total of 40,218 low-income families.

With good experience in building PV power stations and good project quality management capabilities, LONGi New Energy Business Unit also built the PV power stations in Ninglang, Yongsheng, Qiubei, Honghe, etc. Among them, the village PV poverty-alleviation power station in Ninglang Yi Ethnic Autonomous County has been connected to the grid. The electricity sales can help the locals to achieve 100% poverty alleviation by 2020.

LONGi not only invests PV poverty-alleviation projects and supplies advanced solar modules to these kinds of projects but also donate modules for social welfare programs. Simu Village in Yongxing Township of Lijiang City in Yunnan Province is a poverty-stricken village, with LONGi's Lijiang Subsidiary as its poverty-alleviation corporate partner. People from the ethnic minority group of "Lisu," "Yi," "Naxi" and others live here for generations. After several visits and interviews, senior executives and employees of LONGi's Lijiang Subsidiary drafted a long-term work plan for assistance, and have donated ¥120,000 of necessities. In 2019, LONGi's Lijiang Subsidiary invested ¥100,000 in building an 18.3KW PV power station covering 240m² of the rooftop area of the Simu Village Primary School Buildings. The power station can bring monthly ¥1,500 to ¥1,800 (\$211.86 to \$254.24) of additional income through electricity sale. The sustained cash flow can help students from low-income families and for the school's development. This is the first PV power station donated by LONGi Group to the poverty-stricken areas with ethnic minorities in Yunnan Province.



Curious children attending the event touching the PV modules

After the PV power station was completed, local villagers from various ethnic minorities joined the launching event with singing and dancing in their ethnic costumes. The villagers were very curious about the newly completed PV power station. The LONGi staff gave them a detailed introduction, and the local villagers gave thumbs up to these "magical" PV power plants and said, "Ka-sa-sa!" (meaning "getting better and better" in Ethnic Lisu Language) !



PV Poverty-Alleviation Power Station for Simu Village Primary School, donated by LONGi Group

05. GOVERNANCE

REGULATIVE GOVERNANCE

As a company registered and listed in China, LONGi Group strictly abides by laws and regulations, including the Company Law of the People's Republic of China, the Securities Law of the People's Republic of China, the Code of Corporate Governance for Listed Companies, and others. LONGi Group has been optimizing its corporate governance system and improves the level of governance. Based on the company's shareholder meetings, Board of Directors, Board of Supervisors, and senior management team, LONGi Group has established a governance structure that is sound and effective, transparent, and balanced by external supervision. LONGi Group protects the legitimate interests of its shareholders, respects their fundamental rights, and improves the value of the corporate as a whole. To do so, the company improves the compliance and effectiveness of information disclosure and manages investor relations more comprehensively.

During the reporting period, LONGi strictly abided by the requirements of relevant laws, department guidelines, business rules, the Articles of Association, and other relevant regulations. LONGi Group continued regulating business operations and enhanced its internal control. The company also revised *the Rule of Procedure for Shareholders' Meeting*, *the Board of Supervisors Rules of Procedure*, and *the External Security System*, in compliance with the current regulations and corporate governance practices. Therefore, the company further perfected its policies and procedures, improved its operational capabilities, and consequently formed a governance structure that is adaptive to the industry characteristics and the LONGi's strategic development.

The Board of Directors of LONGi Group consists of 9 directors, including 3 independent directors. The Board of Supervisors of the company has 3 supervisors. In 2019, the company held 5 shareholders meetings, 22 board meetings, and 10 supervisory board meetings.

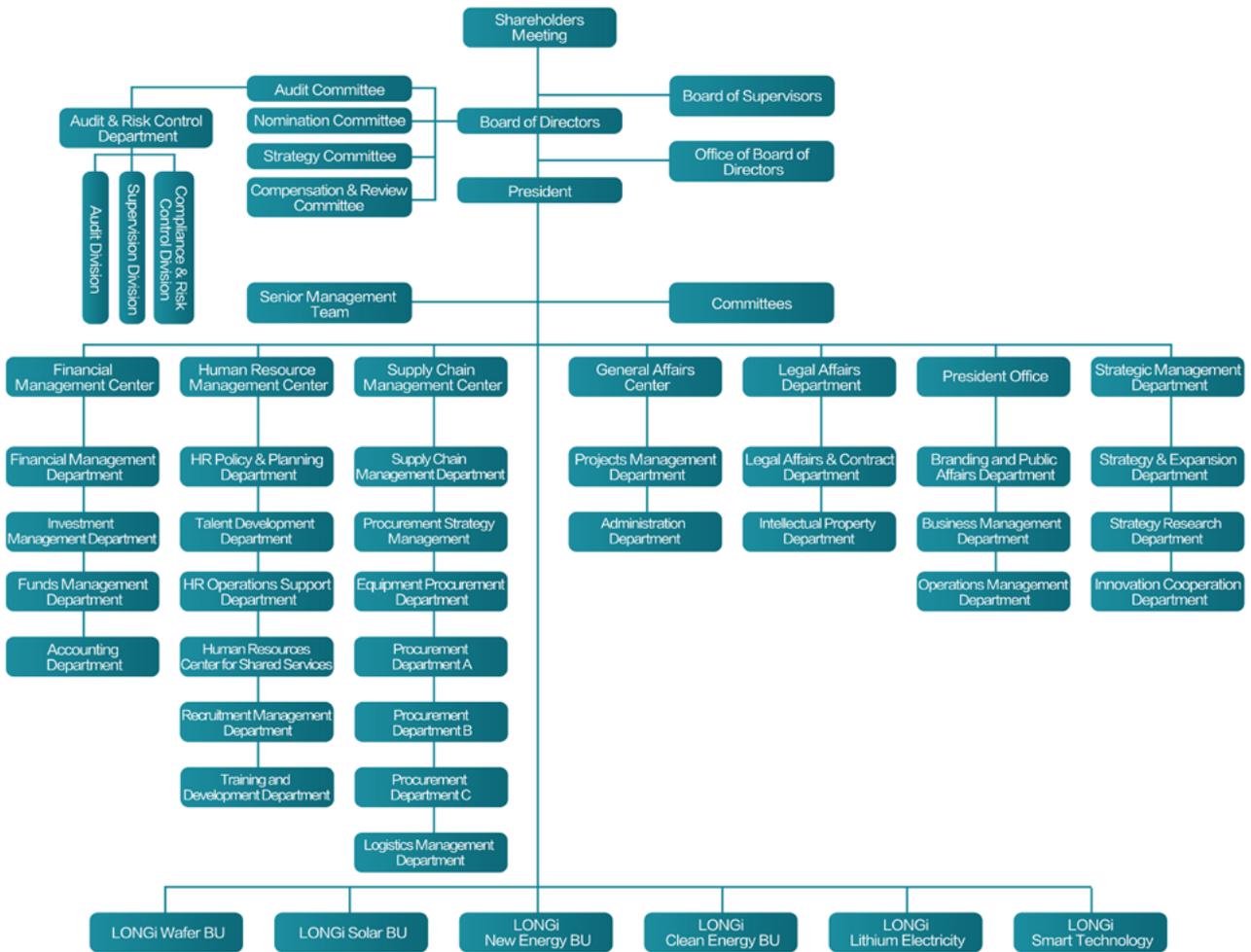


Table5-1 Members of LONGi Board of Directors, Board of Supervisors and Senior Management

No.	Name	Gender	Position
1	Zhong Baoshen	Male	Chairman of the Board, Director
2	Li Zhenguo	Male	General Manager, Legal Representative, Director
3	Xu Dapeng	Male	President of LONGi Wafer BU, Director
4	Liu Xuewen	Female	Head of Finance Management Center, Director
5	Zhang Rumin	Female	Director
6	Bai Zhongxue	Male	Vice President of LONGi Wafer BU, Director
7	Tian Gaoliang	Male	Independent Director
8	Li Shoushuang	Male	Independent Director
9	Guo Ju'e	Female	Independent Director
10	Qi Chengjun	Male	Chairman of Supervisory Board, Shareholder Representative Supervisor
11	Li Xiangju	Female	Shareholder Representative Supervisor
12	He Jing	Female	Employee Representative Supervisor
13	Liu Xiaodong	Male	Board Secretary

*Source: LONGi Group 2019 Annual Report

The Board of Directors has 4 committees, including the Strategy Committee, the Audit Committee, the Nomination Committee, and the Compensation & Review Committee. These committees fully play their roles in strategic consultation for key decision makings, which ensures the board of directors can operate in a more professional approach. LONGi Group's corporate social responsibility (CSR) work is led by the Chairman of the Board. The Board of Directors drafts the guidelines and plans for CSR work. The board committees, senior management, and related departments are in charge of implementation and to integrate sustainability growth with business operations. The Group President's Office leads the coordination of CSR-related work.



Organization Chart of LONGi Group (2019)

INFORMATION DISCLOSURE

To further improve LONGi's information disclosure system, during the reporting period, the Board of Directors Office took the lead and set up a working group, which covered all business areas, including production, sales, procurement, marketing, strategy, etc. Through coordinated efforts on crucial information, the company ensures that key messages can be exchanged in time and effectively, which further perfects the internal control mechanism of information disclosure and improves the risk management capability.

In 2019, the company disclosed 185 interim announcements and 4 regular reports. LONGi's information disclosure is proven to be highly efficient, transparent, and in compliance. LONGi's announcements

were authentic, accurate, and complete, with no falsehoods, misleading statements, or major missing information. As a result, LONGi has established a corporate image as a listed company of integrity and compliance.

INVESTOR RELATIONS

As a listed company in China, LONGi Group is recognized for its governance, operations, and good market image. In recent years, LONGi's board of directors has attached great importance to investor relations. LONGi's investor relations stand out among many listed companies.

Since the company went public, LONGi Group has actively delivered return for the investors with stable & sustained

dividends and business growth. To ensure better understanding from the capital market, LONGi Group has conducted in-depth exchanges with investors through roadshows, performance briefings, investor receptions, teleconferences, investors' platform, on-site surveys, etc. LONGi Group actively responds to investors' concerns and have them understand the company comprehensively. The frequent and close interactions with the investors have helped the company's value to be better reflected and have won recognition from the capital market and investors.



LONGi Group Share Allotment Issue Online Roadshow (2019)

In April 2019, the company completed its 3.9bn-RMB-worth (549 million USD) share allotment issue. To ensure the investors being fully informed, LONGi held a series of roadshows and activities to communicate with investors based on the company's investor structure. The company completed this issue successfully, with ¥3.875 billion (545 million USD) raised in 10 months. The recognition rated reached up to 99.54%, marked a new record on the A-share market since 2011. This shows the solid confidence from investors on LONGi's value and future growth prospects.

LONGi Group was highly recognized by the capital market and investors with its performance in corporate governance, transparency in information disclosure, and innovative and efficient investor relationship management. The company has won numerous awards including the "China Outstanding IR Information Disclosure Award," "Best Board of Directors Award," "Best Listed Company Award," "Top 100 China's Most Valuable Listed Companies on A-share", "Outstanding Investor Relations Management Awards 2018", and was included in the Top 50 "New Fortune Best Listed Companies."



LONGi won the Tianma Award – Best Investor Relations and Best Board of Directors in China's A-share Listed Companies.

ANTI-CORRUPTION

People are paying increasing attention to creating a bribery-free and corruption-free business environment home and abroad. LONGi Group is dedicated to creating an anti-corruption corporate culture, as well as jointly building an eco-system "under the sunlight" with LONGi's partners in the supply chain. Under the strong leadership from the senior executive team, and with anti-bribery measures in place, the anti-bribery culture is integrated into the daily operations for all employees. LONGi Group has set up the Audit & Risk Control Department, which is a permanent department under the Audit Committee of the Board of Directors and independent from the function centers of the corporate headquarters and other business units. It reports directly to the Chairman of the Board to keep the audit work independent and truly reflect objectivity. The company has released a series of regulations, including *the Code of Conduct on Integrity for Management Team Members, Principles on Complaint and Report, the Supervisory Management Guidelines*, etc. LONGi took the reference to the leading international anti-fraud principles as benchmarks and combined with its own experiences. The company has established a world-leading anti-fraud system with its own characteristics. These efforts show LONGi's resolution on anti-corruption, which is "No Dark Corners, Full Supervision, and Zero Tolerance."

In 2018, the LONGi Group and its subsidiaries in Japan, Europe, and the US obtained the ISO 37001 Anti-bribery management system certificate, becoming the world's first solar company that is certified by so. In 2019, the company applied this anti-bribery system and continued to optimize. The system also passed the audit by ISO in 2019.

LONGi asks the employees to observe the key values of "reliable, value-added, delighted," being self-disciplined. The company asks its staff to abide by the anti-bribery items of the laws and company regulations, including the Employee Handbook and the Code of Conduct on Integrity for Management Team Members. Employees are also asked to practice their commitments on integrity and self-discipline and spontaneously resist any bad practices and corruption. In January 2019, the company released the Management Guideline on Punishment for Regulations Violations (Trial Edition) to keep any regulation violators accountable. This new guideline aims to clarify the accountability of the violator him/herself and his/her directly-reporting managers and the accountability of the senior corporate leadership of the business sector. 1,200 people, including managers, had participated in

anti-corruption and integrity training. There were no lawsuits on business fraud, corruption, or unfair competition throughout the year.

As LONGi Group improved its anti-fraud management, it also asks its partners in the supply chain to follow such anti-fraud practices. LONGi took the lead in creating a business environment "under the sunlight" with partners throughout the supply chain. LONGi's teams have paid on-site visits to its partners to advocate transactions with integrity and risk-control concepts, and have promoted better accessible reporting channels to its partners. At the 2019 Supplier Conference, LONGi presented the integrity concepts to its partners, to build an eco-system of open and clean collaboration.

The company has built a platform to make complaints and report channels more accessible. "LONGi Breeze," a WeChat mini-app, is the first complaint and report platform of the PV industry, which turns out to be very innovative for the industry. By December 2019, the number of confirmed corruption cases is 7. 21 employees had been dismissed or received disciplinary punishment due to corruption, and 16 cases of cooperation had ceased because of corruption.



APPENDIX

Explanation of Professional Terms

Noun	Definition
MONOCRYSTALLINE SILICON	Monocrystalline with periodically arranged silicon atoms in bulk silicon crystals are prepared from high purity polycrystalline silicon by mainly Czochralski and zone melting methods.
SILICON WAFER	A square or octagonal sheet formed by cutting a monocrystalline silicon ingot or a polycrystalline silicon ingot.
SILICON INGOT	The ingot-like silicon monocrystalline grown from polycrystalline silicon by CZ and FZ. It is monocrystalline.
CELL	The solar cell, a device that uses photovoltaic principle to convert solar radiation energy into electricity through semiconductor materials, is also called "photovoltaic cell."
MODULE	The solar module consists of multiple solar power units connected in series and parallel. Its function is to converge smaller solar power generated by single solar cell into a photoelectric device with larger power output. It can be used to charge all kinds of batteries, or it can be used in series or parallel as a generating unit for off-grid or grid-connected solar power system.
PERC CELL	Passivation emitter back contact technology, which uses SiNx or Al ₂ O ₃ to form a passivation layer on the back of the cell, as a back reflector, to increase the absorption of long-wavelength light, maximizes the electric potential difference between P-N electrodes and reduces the recombination of electrons. It can significantly improve the efficiency of the cell.
LCOE	LCOE is the abbreviation of the Levelized Cost of Energy, which is the generation cost calculated after leveling the cost and power generation in the life cycle of a project, i.e., the present cost in the life cycle/the present value of power generation in the life cycle.
MW	Megawatt, unit of power for solar cells, 1 megawatt = 1,000 kilowatts
GW	Gigawatt, unit of power for solar cells, 1 gigawatt = 1,000 megawatt.
CELL CONVERSION EFFICIENCY	The ratio of the optimum power of solar cells to solar radiation power projected on their surface.
GRI	GRI is the abbreviation for Global Reporting Initiative. GRI aims to provide a generally accepted framework for corporate social responsibility report.
NGO	Non-governmental organization
EHS	EHS stands for Environment, Health, and Safety. It is also the integration of the Environmental Management System (EMS) and Occupational Health and Safety Management System (OHSMS).

Global Reporting Initiative Index

Global Reporting Initiative 2016 standard Index Table

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ASSURANCE STATEMENT

SGS-CSTC STANDARDS TECHNICAL SERVICES CO., LTD.'S REPORT ON SUSTAINABILITY ACTIVITIES IN THE CORPORATE SOCIAL RESPONSIBILITY REPORT OF LONGI GREEN ENERGY TECHNOLOGY CO., LTD. FOR 2019

NATURE AND SCOPE OF THE ASSURANCE

SGS-CSTC (hereafter as “**SGS**”) was commissioned by the **LONGi Green Energy Technology Co., Ltd.** (hereafter as “**LONGi Group**”) to conduct an independent assurance of **LONGi Group's** Corporate Social Responsibility Report (hereafter as “**the Report**”). Based on **SGS** Sustainability Report Assurance methodology, the scope of the assurance included the text contained in the Report and attached data. Other disclosed data and information were not included in this assurance process.

The information in the Report and its presentation are the responsibility of the chairman and management of **LONGi Group**. **SGS** has not participated in the preparation of any materials in the Report.

Our responsibility is to express an opinion on the text, data, graphs and statements within the scope of assurance set out below with the intention to inform all **LONGi Group's** stakeholders.

SGS sustainability report assurance procedure developed was based on international accredited guidance, including the Accuracy and Reliability Principles contained in the **GRI STANDARDS** and guidance on assurance level by **AA1000** series.

This report has been assured at a moderate level of scrutiny using our protocols for:

- Evaluation of content veracity; and
- Evaluation of the compliance of the Report based on the **GRI STANDARDS**.

The assurance comprised a combination of pre-assurance research, interviews with relevant employees, documentation and record review and confirmation, and exchanges with external agencies and/or stakeholders if necessary.

Financial data drawn directly from independently audited financial accounts has not been checked back to source as part of this assurance process.

STATEMENT OF INDEPENDENCE AND COMPETENCE

SGS is the world's leading inspection, verification, testing and certification company. We are recognized as the global benchmark for quality and integrity with a network around the world, covering more than 2,600 branches and labs in more than 140 countries. **SGS** affirms our independence from **LONGi Group**, being free from bias and conflicts of interest with the organization, its subsidiaries and stakeholders.

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

ASSURANCE OPINION

On the basis of the methodology described and the verification work performed, the information and data contained within the Report verified is accurate, reliable, and the representation of **LONGi Group's** sustainability activities in

2019 is fair and pertinent.

The assurance team is of the opinion that the Report can be used by the Reporting Organization's Stakeholders.

We believe that the organization has chosen an appropriate level of assurance for this stage in their reporting.

GRI STANDARDS CONCLUSIONS, FINDINGS AND RECOMMENDATIONS

In our opinion, the Report has met all the requirements of the core option for GRI Standards on reporting content and principles.

PRINCIPLES

Stakeholder Inclusiveness

LONGi Group had established a diversified stakeholder dialogue mechanism to ensure the effective participation of stakeholders in sustainability management, and integrate sustainability into organizational decision-making and activities.

Sustainability Context

LONGi Group had taken into account the global sustainability context in its sustainability strategy and management, and had also combined the sustainability context when selecting the materiality to be disclosed.

Materiality

LONGi Group can fully demonstrate the materiality principle in the Report. The Report discloses that the logic for the formulation of materiality topics is a combination of impacts and consequences during the process of policy research, industry development, and stakeholder participation and operation. Finally, a matrix of materiality topics is formed to reflect the organization's significant environmental, social and economic impacts.

Completeness

LONGi Group's report reflected the management approaches and performance of significant economic, environmental and social topics.

Balance

Based on the expectations of stakeholders, LONGi Group made a realistic disclosure of sustainability.

Comparability

LONGi Group disclosed previous data in table, which could help readers to understand the improvement performance.

Accuracy

LONGi Group shared accurately expressed the information related to its economic, environmental and social issues, and the data transmission and management mechanism could ensure the accuracy of the information.

Timeliness

LONGi Group will report on a regular schedule to enable stakeholders to obtain information in a timely manner and make reasonable decisions.

Clarity

The Report was presented in different ways with words, charts and pictures to clearly present the sustainability information of LONGi Group and facilitate stakeholders to fully understand LONGi Group.

Reliability

The data and information in the Report can be traced and verified with assured quality and materiality.

Management Approach

The Report has clearly described the management approach of each topic and the effectiveness of evaluating the management approaches.

General Disclosures

The general disclosures were presented in accordance with the core option of GRI Standards.

Topic-Specific Disclosures

This Report has disclosed in detail the importance of the economic, environmental and social impact of the organization and the material impact on stakeholders' assessment and decision-making.

Findings and Recommendations

Good practices and recommendations for sustainability report and management process were described in our internal management report which has been submitted to LONGi Group for continuous improvement.

Limitations of Assurance

Affected by the COVID-19, the assurance team did not make an onsite visit and traced the information disclosed in the Report online.

The assurance method is group verification, and the original data of each production base has not been traced.

In this assurance, only the relevant department heads and some employees were interviewed and related documents were referred to. The interview did not involve external stakeholders.

Signature:



For and on behalf of SGS-CSTC

David Xin Director

Certification and Business Enhancement

16F, Century Yuhui Mansion, No. 73, Fucheng Road, Beijing

April 20, 2020

WWW.SGS.COM

FEEDBACK FORM

Feedback for the LONGi Group Social Responsibility Report 2019

Dears,

Thank you for reading the LONGi Group Social Responsibility Report 2019. In order to further improve LONGi's social responsibility and report quality, please help fill the feedback form and send it to us. We solemnly promise to keep your personal information strictly confidential.

Personal information

* Name: _____ * E-mail: _____

* Which stakeholder group do you belong to?

Employee Customer Government Public
 Supplier Public Organization Others _____

Your Feedback:

* Your overall assessment of the report is:

very good good not bad bad

* Your assessment of the environmental responsibilities of LONGi Group disclosed in this report is:

very good good not bad bad

* Your assessment of the social responsibility of LONGi Group disclosed in this report is:

very good good not bad bad

* Did you get the information you wanted in this report: Yes No

* Do you think the content and layout of this report are easy to read? : Yes No

* What other information you would like to know which is not disclosed in this report?

* What are your opinions and suggestions on LONGi's social responsibility work?

* What information would you like to learn from LONGi Group's Social Responsibility Report?

You can fill in this form and send it by mail or provide your feedback by the following means:

Contact: Wang Zifu Tel: +86 139 9183 1774

Address: Block B, 7th Floor, Shangji Road No.8989, Economic and Technological Development Zone,
Xi'an City, Shaanxi Province

Post code: 710016 Tel: 029-85767999 Fax: 029-81566685

Website: www.longigroup.com E-mail: CSR@longigroup.com

For sales, product quality, and service quality, please contact customer service:

Market@longigroup.com

For CSR and Sustainable Development, please contact: CSR@longigroup.com

For media, please contact: PR@longigroup.com

For previous CSR reports, please visit: <http://www.longigroup.com>

To report violations of professional ethics by LONGi employees or departments, please contact us by:



| WeChat applet |

LONGi Breeze



| WeChat |

LONGi Audit



| Telephone |

· 029-84193391 ·
· 18089282003 ·

| Email |

audit@longigroup.com



| System |

《 Supervision Management Policy 》

《 Complaint Report Management System 》

LONGI: A SOLAR TECHNOLOGY COMPANY
WITH GREAT VALUE TO THE WORLD

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