LONGi is committed to be the advocate, practitioner and leader in the sustainable development of global clean energy.

On the way to achieve carbon neutrality, reducing the energy cost for the human beings is LONGi’s fundamental mission and responsibility!
# Contents /

<table>
<thead>
<tr>
<th>Introduction</th>
<th>03</th>
</tr>
</thead>
<tbody>
<tr>
<td>About this Report</td>
<td>04</td>
</tr>
<tr>
<td>Chairman’s Message</td>
<td>05</td>
</tr>
<tr>
<td>About LONGI</td>
<td>07</td>
</tr>
<tr>
<td>Key Performance</td>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annual Feature</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transforming from Carbon Based Energy to Silicon Based Energy to Achieve Global Carbon Neutrality</td>
<td>13</td>
</tr>
<tr>
<td>Sustainable Development Management</td>
<td>17</td>
</tr>
<tr>
<td>Sustainable Development Management System</td>
<td>19</td>
</tr>
<tr>
<td>Responses to UN SDGs</td>
<td>23</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sustainable Development Management</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Development Management System</td>
<td>19</td>
</tr>
<tr>
<td>Responses to UN SDGs</td>
<td>23</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Taking Climate Actions</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responding to Climate Risks</td>
<td>27</td>
</tr>
<tr>
<td>Setting Science-based Targets</td>
<td>27</td>
</tr>
<tr>
<td>Implementation of the Three International Initiatives</td>
<td>31</td>
</tr>
<tr>
<td>“Zero-carbon Plants”</td>
<td>32</td>
</tr>
<tr>
<td>Stepping up Climate Leadership</td>
<td>33</td>
</tr>
<tr>
<td>Building a Green Value Chain</td>
<td>34</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contributing to Zero-Carbon Future</th>
<th>35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embracing Green Hydrogen Products</td>
<td>37</td>
</tr>
<tr>
<td>Developing Green Products</td>
<td>37</td>
</tr>
<tr>
<td>Promoting Green Transformation</td>
<td>37</td>
</tr>
<tr>
<td>Promoting Ecological Harmony</td>
<td>37</td>
</tr>
<tr>
<td>Creating Excellent Products</td>
<td>47</td>
</tr>
<tr>
<td>Providing Quality Service</td>
<td>47</td>
</tr>
<tr>
<td>Strengthening Supply Chain Management</td>
<td>52</td>
</tr>
<tr>
<td>Enhancing Brand Influence</td>
<td>53</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Creating Value for Customers</th>
<th>45</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment Compliance</td>
<td>57</td>
</tr>
<tr>
<td>Energy Conservation and Consumption Reduction</td>
<td>58</td>
</tr>
<tr>
<td>Water Resource Utilization and Management</td>
<td>59</td>
</tr>
<tr>
<td>Waste Management</td>
<td>61</td>
</tr>
<tr>
<td>Protecting Rights and Interests of Employees</td>
<td>66</td>
</tr>
<tr>
<td>Promoting Equality and Diversity</td>
<td>76</td>
</tr>
<tr>
<td>Promoting Supply Chain Labor Security</td>
<td>76</td>
</tr>
<tr>
<td>Supporting Social Undertakings</td>
<td>76</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pursuing Environmental-friendly Development</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment Compliance</td>
<td>57</td>
</tr>
<tr>
<td>Energy Conservation and Consumption Reduction</td>
<td>58</td>
</tr>
<tr>
<td>Water Resource Utilization and Management</td>
<td>59</td>
</tr>
<tr>
<td>Waste Management</td>
<td>61</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building a Shared Society</th>
<th>63</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steady Development</td>
<td>75</td>
</tr>
<tr>
<td>Effective Governance</td>
<td>75</td>
</tr>
<tr>
<td>Compliance Operation</td>
<td>77</td>
</tr>
<tr>
<td>Business Ethics</td>
<td>79</td>
</tr>
<tr>
<td>Cooperation and Exchange</td>
<td>80</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Establishing a Sustainable Enterprise</th>
<th>77</th>
</tr>
</thead>
<tbody>
<tr>
<td>Events in 2021</td>
<td>81</td>
</tr>
<tr>
<td>GRI &amp; SASB Content Indexes</td>
<td>82</td>
</tr>
<tr>
<td>Assurance Statement</td>
<td>87</td>
</tr>
<tr>
<td>Explanation of Professional Terms</td>
<td>90</td>
</tr>
<tr>
<td>Feedback Form</td>
<td>91</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Appendix</th>
<th>81</th>
</tr>
</thead>
<tbody>
<tr>
<td>Events in 2021</td>
<td>81</td>
</tr>
<tr>
<td>GRI &amp; SASB Content Indexes</td>
<td>82</td>
</tr>
<tr>
<td>Assurance Statement</td>
<td>87</td>
</tr>
<tr>
<td>Explanation of Professional Terms</td>
<td>90</td>
</tr>
<tr>
<td>Feedback Form</td>
<td>91</td>
</tr>
</tbody>
</table>
Introduction of Report

This report is the fifth sustainability/social responsibility report issued by LONGi since 2018, with the first report issued in March 2018 and the last in April 2021. This report is published on an annual basis, in line with the financial year. This report is based on the principles of objectivity, regulation, transparency and comprehensiveness, and discloses in detail LONGi’s practices and performance in the economic, environmental, social and governance areas for the period from January 1 to December 31, 2021. To enhance the comparability and completeness of the report, partial content in this report are appropriately retroactive to previous years.

Scope of Report

The organization scope of this report covers LONGi Group’s subsidiaries and controlling companies operating in the People’s Republic of China, as well as production bases in the Federation of Malaysia and the Socialist Republic of Vietnam. Any inconsistencies between the scope of specific data and this report will be noted in the text.

Criteria of Report

• This Report complies with the requirements of the Notice of Shanghai Stock Exchange (SSE) on Strengthening the Social Responsibility of Listed Companies and the Guidelines for the Disclosure of Environmental Information of Companies Listed on SSE and the Guidelines for the Preparation of the “Report on the Fulfillment of Social Responsibilities by Companies”;
• This report has been prepared in accordance with the “Core Option” of the GRI Standards by the Global Sustainability Standards Board (GSSB);
• This report has been prepared with reference to the disclosure requirements of the Environmental, Social and Governance Reporting Guide of the Stock Exchange of Hong Kong Limited.
• This report has been prepared with reference to the Sustainability Accounting Standards Board (“SASB”) and the Task Force on Climate Related Financial Disclosures (“TCFD”).

Data Sources

The data sources used in the report include relevant statistical reports of LONGi Group, 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 misrepresentation, misleading statements, or major omissions in this report.

Appellation of the Company

For ease of presentation and reading, “LONGi Green Energy Technology Co., Ltd” is referred to as “LONGi Group”, “LONGi”, “the Company”, “the Group” or “We” in this report.

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.longi.com. In case of any discrepancy or ambiguity between these two versions, the Chinese version shall prevail.

If you have any questions and suggestions about the report, please feel free to send an email to CSR@longi.com, or call +86 4008601012.
In the past 2021, known as China’s “First Year of Carbon Neutrality”, the proposal of carbon peaking and carbon neutrality goals has endowed the development of renewable energy with a strong impetus. Meanwhile, the introduction of a series of policies, such as the “1+N” policy system based on peak carbon dioxide emissions and carbon neutrality and the construction of a new power system with new energy as the mainstay, has further liberated the development potential of renewable energy.

In the macro context of global carbon neutrality, promoting the development of renewable energy to achieve carbon neutrality has evolved into a consensus and urgent action for China and major global economies. With the development of renewable energy entering a brand-new pattern, the world has officially ushered in the zero-carbon era. Conforming to this general trend, energy entering a brand-new pattern, the world has officially major global economies. With the development of renewable energy to achieve carbon neutrality.

In the face of the challenging 2021, LONGi realized the rapid growth of operating income and net profit through the steady operation. Also, we proactively maintained long-term interaction with investors, in response to the concerns of the capital market about the corporate environment, society, and governance (ESG). On the same note, LONGi respects the interests of investors, especially small and medium-sized investors, thereby achieving the win-win objective of the development of the company and the stable growth of investors’ return on investment.

On the other hand, in the field of sustainable development, LONGi has firmly fulfilled the commitments of the RE100, EP100, and EV100 initiatives as a full member. To put it concretely, according to the requirements of the SBTI, we set the carbon emission reduction target for the next 10 years based on 2020. Besides, we also published the first sustainable development report, started the construction of the first zero-carbon factory in the photovoltaic industry, as well as disclosed the first white paper on climate action during the COP26 period. Assuredly, LONGi attaches great importance to the protection of human rights related to its workers and supply chain. To this end, LONGi has laid a solid foundation for sustainable development through diversified actions represented by continuously promoting the construction of a green supply chain and improving compliance management capabilities. Simply put, a series of practical actions have ultimately pushed the sustainable development of LONGi to a new height.

Admittedly, these outstanding achievements made by LONGi should be attributed to the generous support of global customers and partners, the solidarity and dedication of nearly 50,000 employees, as well as the trust and praise from investors, local governments, communities, and all walks of life. Relevant facts have demonstrated that enterprises that can proactively respond to changes, dare to innovate, and be good at cooperation have the resilience and vitality to seek success. Likewise, the good deeds that can make continuous efforts and contributions to the development and prosperity of a community with a shared future for mankind reflect eternal value.

Under the guidance of the goal of carbon neutrality, LONGi has deeply realized that photovoltaic and green hydrogen energy industries will enter a comprehensive and rapid development stage. This means that global renewable energy will usher in an unprecedented promising market. Therefore, LONGi is full of confidence in the future. In the meantime, LONGi will continue to focus on scientific and technological innovation, promote the digital transformation of enterprises and strengthen the green development path, intending to constantly creating long-term value for global customers.

An ancient Chinese verse reads, “A journey of a thousand miles begins with a single step.” On the road to practicing sustainable development, LONGi is willing to jointly work with all partners to continuously improve and build a clean and beautiful world based on our commitment and faith!
About Us

Headquartered in Xi’an, Shaanxi province, LONGi Green Energy Technology Co., Ltd. (LONGi Group) was founded in 2000 and publicly listed on the Shanghai Stock Exchange in April 2012 (SH.601012).

LONGi is committed to driving the transition of low-carbon energy, long focused on providing global customers with high-efficiency mono solar power generation solutions, and mainly specialized in the R&D, production and sales of mono ingots, wafers, cells and modules. It has developed into the world’s largest mono wafer and module manufacturer.

Moreover, the company is actively exploring and developing new businesses, including the products and system solutions for utility applications on the ground power stations and distributed generation applications on roof (including BIPV) development. During this reporting period, the company had established Xi’an LONGi Hydrogen Energy Technology Co., Ltd., and strives to become a world-leading provider of large green hydrogen equipment and solution to provide green hydrogen solutions for global low-carbon transformation.

LONGi Group has laid out several manufacturing bases in China, Vietnam, Malaysia and other countries and regions, and branches in the United States, Japan, India, Australia, Thailand, the United Arab Emirates and other countries, with businesses in more than 150 countries and regions.
**Business Philosophy**

**Our Mission**

"Utilizing Solar Energy, Building a Green World"

We are committed to becoming a promoter of solar energy industry and facilitating the energy transition; becoming the paradigm in providing sustainable solar technology service and enabling greater returns for customers' investments; promoting the ecological restoration and creating a green planet for future generations.

**Our Vision**

"Be the most valuable solar technology company in the world."

**Most Valuable** – Providing customers with premium products and services, providing employees the platform for professional growth and continuous improvement, and providing shareholders the most competitive investment returns.

**Solar Technology Company** – Building a solar technology industry-leading brand through innovation and keeping products and services "one step ahead of others".

**Code of Conduct**

**Core values**

"Reliable, Value-added, Delighted"

**Reliable**

Provide reliable products and services for customers, be a corporation that can be trusted by customers, employees, and any other stakeholders in business.

**Value-added**

Provide customers with cost-advantaged products and high-value-added services, offer continuous growth to employees, provide constant value-added services for related communities.

**Delighted**

Care about the feelings of customers, deal with customers with humility, respect, hospitality, and the willingness to collaborate; respect employees, pay attention to sharing and communication, strive to create an open and inclusive atmosphere; respect our shareholders, be frank and friendly.

**Honors and Awards**

**Global 2000 No. 839**

- Forbes

**Global 500 New Energy Companies 2021**

- China Institute of Energy Economics Research

**Scored 100% Bankability for two consecutive years**

- Bloomberg New Energy Finance (BNEF)

**China Top 500 Companies No. 365**

- China Enterprise Confederation

**China Top 500 Manufacturers No. 172**

- China Enterprise Directors Association

**Receive the highest rating of AAA consecutively**

The only component supplier in the world with the highest rating

- PV Module Tech

**Product Certificates**

**Intersolar AWARD in the Photovoltaics category**

- Solar Promotion

**CTF Witness Laboratory Qualification**

- TÜV NORD

**Award of PV Module Outdoor Energy Yield (Monofacial Group)**

- China Institute of Energy Economics Research

**Award of PV Module Energy Yield Simulation (Bifacial Monocrystalline Group)**

- SiVi Rheinland

**Named RETC “High Achiever” by RETC for the third time**

- RETC (Renewable Energy Test Center)

**Named “Top Performer” by PVEL for fifth consecutive year**

- PVEL (PV Evolution Labs)
## Key Performance

<table>
<thead>
<tr>
<th>Topic</th>
<th>Indicator</th>
<th>2021</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Economic Performance</strong></td>
<td>Total income (CNY billion)</td>
<td>80.932</td>
<td>54.583</td>
<td>32.897</td>
</tr>
<tr>
<td></td>
<td>Operating profit attributable to shareholders of the parent company (CNY billion)</td>
<td>9.086</td>
<td>8.552</td>
<td>5.280</td>
</tr>
<tr>
<td></td>
<td>Earnings per share (CNY)</td>
<td>1.69</td>
<td>1.62</td>
<td>1.05</td>
</tr>
<tr>
<td></td>
<td>Total assets (CNY billion)</td>
<td>97.735</td>
<td>87.635</td>
<td>59.304</td>
</tr>
<tr>
<td></td>
<td>Weighted average rate of return on common stockholders' equity (%)</td>
<td>21.45</td>
<td>27.23</td>
<td>23.93</td>
</tr>
<tr>
<td></td>
<td>R&amp;D investment (CNY billion)</td>
<td>4.394</td>
<td>2.592</td>
<td>1.677</td>
</tr>
<tr>
<td></td>
<td>The R&amp;D operating revenue accounting for the total revenue (%)</td>
<td>5.43</td>
<td>4.75</td>
<td>5.10</td>
</tr>
<tr>
<td></td>
<td>Renewable energy used by the Group (kWh)</td>
<td>305,585.82</td>
<td>255,783.35</td>
<td>17,5760.98</td>
</tr>
<tr>
<td></td>
<td>Proportion of renewable energy used by the Group (%)</td>
<td>40.19</td>
<td>41.83</td>
<td>49.67</td>
</tr>
<tr>
<td></td>
<td>Total emissions within the operational boundary (kCO2e)</td>
<td>3,151,974</td>
<td>2,573,014</td>
<td>2,212,479</td>
</tr>
<tr>
<td></td>
<td>Carbon emissions reduced (kCO2e)</td>
<td>1,687,953</td>
<td>1,356,216</td>
<td>/</td>
</tr>
<tr>
<td></td>
<td>Proportion of water reuse (%)</td>
<td>58.75</td>
<td>33.89</td>
<td>43.20</td>
</tr>
<tr>
<td></td>
<td>Environmental violations</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Environmental violations</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Environmental Performance</strong></td>
<td>Total number of employees (person)</td>
<td>49,967</td>
<td>46,631</td>
<td>32,873</td>
</tr>
<tr>
<td></td>
<td>Employee training (person)</td>
<td>243,504</td>
<td>736,656</td>
<td>460,410</td>
</tr>
<tr>
<td></td>
<td>Labor union admission rate (%)</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Benefit distributed (CNY million)</td>
<td>3949</td>
<td>2839</td>
<td>/</td>
</tr>
<tr>
<td></td>
<td>Employee satisfaction score (%)</td>
<td>98.97</td>
<td>99.44</td>
<td>/</td>
</tr>
<tr>
<td></td>
<td>Average hours of EHS trainings per employee (hours)</td>
<td>39.66</td>
<td>/</td>
<td>/</td>
</tr>
<tr>
<td></td>
<td>Proportion of female among executive management (%)</td>
<td>25</td>
<td>/</td>
<td>/</td>
</tr>
<tr>
<td><strong>Social Performance</strong></td>
<td>Independent directors and non-executive directors on the Board of Directors (person)</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Number of female directors on the Board (person)</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Number of suppliers visited</td>
<td>145</td>
<td>142</td>
<td>/</td>
</tr>
<tr>
<td></td>
<td>Integrity training sessions</td>
<td>91</td>
<td>80</td>
<td>/</td>
</tr>
</tbody>
</table>

Note: 1. The data are sourced from statistics of LONGi Group; 2. "/" indicates no statistical summarization
Transforming from Carbon Based Energy to Silicon Based Energy to Achieve Global Carbon Neutrality

Over the past century, as fossil fuels has been overconsumed, carbon emissions have intensified the contradiction between human being and nature.

In-depth decarbonization is hanging over head. Since the Paris Agreement was struck in 2015, 70% of the countries within the global energy map have made commitments on carbon neutrality. Carbon neutrality has become a global consensus for the survival.

Achieving carbon neutrality is a daunting task, and the energy revolution is in the irressible trend. Fortunately, human being have already figured out the solution. We are gradually transforming the carbon based energy (represented by firewood, coal and oil) to the silicon based energy (represented by solar power). The whole world is all the way to the historical energy transformation.

Silicon Based Energy Has Become a New Trend of Future Energy Development.

Solar energy is the source of silicon based energy, and silicon based energy is the main carrier of solar energy. From quartz material to PV modules, the direct consumption in the whole process is estimated to be merely 0.4kWh/W. Even if consider all the direct and indirect energy consumption within a PV system, the energy consumption per module is only about 1kWh/W.

Under general illumination conditions, PV modules can generate 1.5kWh of electricity per watt per year on average, and 45kWh of electricity per watt during the 30-year service life. Therefore, based on silicon, a PV module could convert 1kWh of electricity that it consumed into 45 kWh of electricity, and its energy density is roughly 3,000 times that of carbon based energy, representing the new trend of future energy development.

Silicon-based photovoltaic is an energy carrier and amplifier the energy. The energy generated could be 45 times as much as consumption.

The net output of silicon energy is 3,000 times that of the carbon based energy under the same quality.

Note: Each kilogram of silicon can be used to produce 400W PV products (the silicon consumption per watt is 2.5g) that can generate 18,000 kWh electricity (400W× annual power generating capacity per watt 1.5kWh × 30-year service life). After deduction of the energy consumption by production, the net output of electricity by 1kg silicon is 17,600kWh, equivalent to 15.136 × 10^6 kilocalories (the calorific value of 1kWh is 860 kilocalories), which is 3,000 times the calorific value of 1kg coal (5,000 kilocalories).

Under general illumination conditions, PV modules can generate 1.5kWh of electricity per watt per year on average, and 45kWh of electricity per watt during the 30-year service life. Therefore, based on silicon, a PV module could convert 1kWh of electricity that it consumed into 45 kWh of electricity, and its energy density is roughly 3,000 times that of carbon based energy, representing the new trend of future energy development.

PV Power Generation Plays a Significant Role in Energy Transformation

In the past decade, major breakthroughs have been made in technology and cost of PV and power generation, and PV modules and PV has become the most economical source of electricity in most of countries. PV power generation has already played a significant role in energy transformation. Also, considered the dropping cost and industrial chain that covered majority of relevant industries, PV will be critical to national economy and social development.
PV + Green Hydrogen Deepens Decarbonization in the Industrial, Transportation and Construction Sectors

The cost reductions in PV make it possible to produce hydrogen from renewable energy such as solar. This tackles the intermittence and storage issues of renewable energy, while displaces the fossil fuels by green hydrogen, establishing a perfect combination of "PV + green hydrogen".

From PV to hydrogen energy, LONGi’s "PV + green hydrogen" pattern not only facilitates coordinated development throughout the supply chain but also boosts integration and development of conventional energy and new energy, accelerating the transformation from carbon based energy to silicon based energy to achieve carbon neutrality.

According to estimates, only if the global new installed PV capacity reach 1,500GW – 2,000GW by 2030 could it provide a sufficient support for global energy transformation and thus contribute to global carbon neutrality.

**Four Steps to Achieve Carbon Neutrality**

1. Build a new power system based on new energy sources
2. Improve the economical efficiency of chemical energy storage
3. Vigorously develop surplus storage and upgrade and innovate conventional hydropower stations
4. Improve systems and mechanisms to make full use of existing flexible resources

PV + Green Hydrogen Deepens Decarbonization in the Industrial, Transportation and Construction Sectors

The cost reductions in PV make it possible to produce hydrogen from renewable energy such as solar. This tackles the intermittence and storage issues of renewable energy, while displaces the fossil fuels by green hydrogen, establishing a perfect combination of "PV + green hydrogen".

From PV to hydrogen energy, LONGi’s "PV + green hydrogen" pattern not only facilitates coordinated development throughout the supply chain but also boosts integration and development of conventional energy and new energy, accelerating the transformation from carbon based energy to silicon based energy to achieve carbon neutrality.
Sustainable Development Management

Sustainable Development History and Honors

2000
LONGi Group founded.

2006
Entered the PV power industry and committed to monocrystalline technology

2010
Established LONGi 1% Foundation in the Red Cross Society of China

2012
Listed on the main board of the Shanghai Stock Exchange

2015
First to realize localized application of diamond wire slicing technology

2016
Deployed capacity in Yunnan China and Kuching, Malaysia for producing clean energy with clean energy

2017
Donated to build PV power stations in Peking University and Huaping Girls High School in Yunnan

2018
Proposed “Solar for Solar” concept at the 24th UN Climate Change Conference

2019
 Joined China Business Climate Action (CBCA)
 Joined United Nations Global Compact

2020
 Became the only Chinese enterprises that joined all three of the Climate Group’s “100” initiatives and Science-Based Targets initiative

2021
 Released LONGi’s first Sustainability Report and Climate Actions of LONGi LONGi Silicon (Baoshan) launched the first “Zero-Carbon Plant” in Yunnan. Nominated in the fourth China Quality Award, and became the first company to win the award in the PV industry

Contributions to Sustainable Development

Included in 2021 Green Manufacturer List issued by MIT (A PV technology enterprise awarded national “Green Factory”; “Green Design Product” and “Green Supply Chain Management Enterprise”)  
Ministry of Industry and Information Technology

Humanitarian Badge of Red Cross of China
Red Cross Society of China

Sustainable Development Model Enterprise Award
China Business Journal

China Green Award for Social Responsibility
Xinhua News Network

2021 Outstanding Social Responsibility Award for Chinese Public Companies
Finance

China Best Employer of 2021
Employer Branding Forum, China

Ranked 47th in World’s 100 Most Sustainable Corporations of 2022
Corporate Knights

Sustainable Development Ratings

NO.1
CAI SV 99 2021 Annual List

PV industry NO.1
IPE Green Supply Chain CITI Index

PV industry NO.1
IPE CATI Index

A-
SynGee Green Finance

BBB
MSCI ESG Rating

B
CDP Climate Change Scoring

Sustainable Development Organizations and Initiatives
Sustainable Development Management System

Sustainable Development Philosophy

With sustainable wisdom, technology and management, LONGi will co-exist with the world and create long-term value.

Sustainable Development Governance

LONGi advances the systematic construction of sustainable development in accordance with domestic and international regulations and initiatives, improves corporate sustainable development management structure, perfects sustainable development management documentation, and integrates sustainable development issues into all businesses and management.

Sustainable development governance structure

Board Of Directors

Board of Director leads the sustainable development efforts of the Company, and instructs Strategy Committee of the Board of Director to review, make decisions and provide guidance on the sustainable development strategy and action plan of the Company.

Sustainable Development Committee

The Sustainable Development Committee was established at the management level. Brand Management Department of the Group takes the lead in the establishment of corporate sustainable development guidelines and policies and continuous improvement of sustainable development management framework.

Functional Departments

Brand Management Department of the Group coordinates with Human Resource Management Department, Energy and Water Resource Management Department, EHS Management Department, Supply Chain Management Department and production bases to integrate sustainable development into business processes to facilitate the systemic efforts of corporate sustainable development in LONGi.

Sustainable Development Governance Criteria and Management Measures

| Environmental management | Based on ISO 14001 Environmental Management System Certification and with the laws and regulations of countries where our operations are located as bottom line, Environmental Monitoring Management System, Environmental Safety and Occupational Health Management Manual and other guidelines have been established for EHS issues and waste disposal. |
| Energy management | Based on the ISO 50001 energy management system, the laws, regulations and standards of the countries and regions in which we operate, and based on the actual production and operation of the Group, Energy Management System and Energy Data Management Measures have been established. |
| GHG emissions management | Based on ISO 14061 Greenhouse Gases — Part 1: Specification with Guidance at the Organization Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals, GHG Accounting Guide has been established as the internal guidance. |
| Supplier management | Based on Green Supply Chain Management System (GB/T33935), Supplier Code of Conduct, Appendix of Conflict Minerals, Strategic Supplier Management Measures and other guidelines have been established. |
| Compliance operation | Based on ISO 37301 Compliance Management System, Anti-Commercial Bribery Management Measures, Risk Management Rules for Job Fraud, Management Rules for Professional Ethics of Audit and Supervisory Staff and other guidelines have been established. |
| Employee security | With reference to relevant provisions of the International Labor Conventions, and based on the laws and regulations of countries where our operations are located, Staff Care Management Provisions, Labor Dispute Mediation Management System, Group Welfare Manual and other guidelines have been established to protect the rights and interests of employees. |
| Work safety | Based on work safety standardization (the Chinese Mainland) and ISO 45001 Occupational Health and Safety Management Systems, at least in accordance with the laws, regulations and standards of the country where operations are carried out, Management System for Quality, Environmental, Occupational Health and Safety Accidents, Work Safety System and other guidelines have been established. |
LONGi attaches importance to the identification and management of material sustainability issues. Based on the analysis of policies and industry and survey feedback from stakeholders, we ranked the importance level for LONGi and our stakeholders and then identified the key material topics through matrix. These sustainability topics will be the key focus for LONGi and guide LONGi to further push ahead our sustainability strategies.

Material Issues Analysis

LONGi identifies the key material topics through survey feedback from stakeholders, we ranked the importance level for LONGi and our stakeholders and then identified the key material topics through matrix. These sustainability topics will be the key focus for LONGi and guide LONGi to further push ahead our sustainability strategies.

Communication with Stakeholders

We have established a regular stakeholder communication mechanism and communicate with our core stakeholders at least once or twice a year to fully understand their concerns and accurately respond to their demands. In addition, we also actively cooperate with various stakeholders to jointly contribute to sustainable development.

Key Stakeholders’ Expectations and Communication Channels of LONGi

<table>
<thead>
<tr>
<th>Key Stakeholders</th>
<th>Main Expectations</th>
<th>Main Communication Channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer</td>
<td>Reliable and efficient products</td>
<td>• Technical exchange conferences and new product launch</td>
</tr>
<tr>
<td></td>
<td>Quality services</td>
<td>• Industrial fairs and technical workshops</td>
</tr>
<tr>
<td></td>
<td>Contract compliance</td>
<td>• Official website and 400 service platforms and satisfaction surveys</td>
</tr>
<tr>
<td>Staff and Labor Union</td>
<td>Career development</td>
<td>• Workers congress and Labor Union Committee</td>
</tr>
<tr>
<td></td>
<td>Health and safety</td>
<td>• Training and education, employer brand</td>
</tr>
<tr>
<td></td>
<td>Delighted working atmosphere</td>
<td>• LONGi Happy+ and a complaint mini program</td>
</tr>
<tr>
<td></td>
<td>Protection of rights and interests</td>
<td>• Staff seminars, staff activities and staff club</td>
</tr>
<tr>
<td>Shareholders and investors</td>
<td>Return on investment</td>
<td>• Shareholders’ meeting, regular reports and announcements and field surveys</td>
</tr>
<tr>
<td></td>
<td>Financial robustness</td>
<td></td>
</tr>
<tr>
<td>Suppliers and partners</td>
<td>Green supply Chain</td>
<td>• Supplier training and supplier environment assessment</td>
</tr>
<tr>
<td></td>
<td>Win-win cooperation</td>
<td>• Supplier website platform and collaboration and innovation and suppliers’ meeting</td>
</tr>
<tr>
<td></td>
<td>Clean business environment</td>
<td>• Code of conduct for suppliers and open procurement</td>
</tr>
<tr>
<td></td>
<td>Contract compliance</td>
<td></td>
</tr>
<tr>
<td>Governments and regulators</td>
<td>Industry development</td>
<td>• Monitoring and inspection and policies and suggestions</td>
</tr>
<tr>
<td></td>
<td>Compliance</td>
<td></td>
</tr>
<tr>
<td>Community and NGOs</td>
<td>Environmental protection</td>
<td>• Active communication with community and engagement in project cooperation</td>
</tr>
<tr>
<td></td>
<td>Protection of rights and interests</td>
<td>• Charitable donations and public service activities</td>
</tr>
<tr>
<td></td>
<td>Safety</td>
<td>• Participation in industry association and society and Enterprise Open Day</td>
</tr>
<tr>
<td></td>
<td>Promotion of sustainable</td>
<td></td>
</tr>
</tbody>
</table>

Matrix of Material Sustainability Issues of LONGi in 2021
LONGi push forward the integration of the UN 2030 Sustainable Development Goals (SDGs) with the business value chain, identifies the importance and significance of the relevant SDGs for the Company, and strives to include sustainability concepts and actions into corporate strategy and operations.

**Responses to UN SDGs**

LONGi push forward the integration of the UN 2030 Sustainable Development Goals (SDGs) with the business value chain, identifies the importance and significance of the relevant SDGs for the Company, and strives to include sustainability concepts and actions into corporate strategy and operations.

### Specific Chapters

<table>
<thead>
<tr>
<th>SDG</th>
<th>Responses from LONGi</th>
<th>Specific Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply efficient PVi products to PV poverty alleviation projects and support rural revitalization to ensure stable income</td>
<td>2-4</td>
</tr>
<tr>
<td>2</td>
<td>Donate PV power stations in underdeveloped regions to provide clean power for population without access to electricity</td>
<td>5-4</td>
</tr>
<tr>
<td>3</td>
<td>Apply PV technology to agriculture to help achieve green, high-yield and high-efficiency goals, reasonably use natural resources and space to achieve ecological governance and enhance adaptability of agriculture</td>
<td>2-4</td>
</tr>
<tr>
<td>4</td>
<td>Reduce or avoid the use of harmful production materials and dispose of waste in a harmless manner</td>
<td>2-2</td>
</tr>
<tr>
<td>5</td>
<td>Prevent occupational diseases, improve the epidemic prevention and control system, and help the community fight epidemics</td>
<td>4-4</td>
</tr>
<tr>
<td>6</td>
<td>Build a comprehensive staff training system to help employees continuously improve their abilities and career value</td>
<td>5-1</td>
</tr>
<tr>
<td></td>
<td>Cooperate with universities actively to provide support for green energy technology development and talent training</td>
<td>5-4</td>
</tr>
<tr>
<td></td>
<td>Make donations to support education, build campus PV power stations, and implement PV technology education</td>
<td>6-5</td>
</tr>
<tr>
<td>7</td>
<td>Ensure equal pay for equal work for male and female employees and promote gender equality</td>
<td>5-2</td>
</tr>
<tr>
<td>8</td>
<td>Actively create conditions for female employees to enter the Company’s management, with female executive management percentage of 25%</td>
<td>5-2</td>
</tr>
<tr>
<td>9</td>
<td>Keep perfecting the production process, use high-efficiency pumps, optimize the circulating water system, and reduce the intensity of water consumption</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Improve the process of battery factory wastewater stations, fully recycle the wastewater, and discharge wastewater when it meets the discharge standards</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Apply PV technology to sewage plants to further reduce the sewage and tap water treatment costs</td>
<td>4-3</td>
</tr>
<tr>
<td>10</td>
<td>Continuously improve cell and module efficiency through technological innovation, thus to reduce the cost of solar energy</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td>Expand the use of renewable energy globally by providing efficient PV products</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>Drive the transition of energy structure through more applications of PV energy, and construct a new industry to boost employment</td>
<td>3-1</td>
</tr>
<tr>
<td></td>
<td>Improve the process of battery factory wastewater stations, fully recycle the wastewater, and discharge wastewater when it meets the discharge standards</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Apply PV technology to sewage plants to further reduce the sewage and tap water treatment costs</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Continuously improve cell and module efficiency through technological innovation, thus to reduce the cost of solar energy</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td>Expand the use of renewable energy globally by providing efficient PV products</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>Drive the transition of energy structure through more applications of PV energy, and construct a new industry to boost employment</td>
<td>3-1</td>
</tr>
</tbody>
</table>

**Responses to UN SDGs with specific chapters:**

<table>
<thead>
<tr>
<th>SDG</th>
<th>Responses from LONGi</th>
<th>Specific Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply efficient PVi products to PV poverty alleviation projects and support rural revitalization to ensure stable income</td>
<td>2-4</td>
</tr>
<tr>
<td>2</td>
<td>Donate PV power stations in underdeveloped regions to provide clean power for population without access to electricity</td>
<td>5-4</td>
</tr>
<tr>
<td>3</td>
<td>Apply PV technology to agriculture to help achieve green, high-yield and high-efficiency goals</td>
<td>2-4</td>
</tr>
<tr>
<td>4</td>
<td>Reduce or avoid the use of harmful production materials and dispose of waste in a harmless manner</td>
<td>2-2</td>
</tr>
<tr>
<td>5</td>
<td>Prevent occupational diseases, improve the epidemic prevention and control system, and help the community fight epidemics</td>
<td>4-4</td>
</tr>
<tr>
<td>6</td>
<td>Build a comprehensive staff training system to help employees continuously improve their abilities and career value</td>
<td>5-1</td>
</tr>
<tr>
<td></td>
<td>Cooperate with universities actively to provide support for green energy technology development and talent training</td>
<td>5-4</td>
</tr>
<tr>
<td></td>
<td>Make donations to support education, build campus PV power stations, and implement PV technology education</td>
<td>6-5</td>
</tr>
<tr>
<td>7</td>
<td>Ensure equal pay for equal work for male and female employees and promote gender equality</td>
<td>5-2</td>
</tr>
<tr>
<td>8</td>
<td>Actively create conditions for female employees to enter the Company’s management, with female executive management percentage of 25%</td>
<td>5-2</td>
</tr>
<tr>
<td>9</td>
<td>Keep perfecting the production process, use high-efficiency pumps, optimize the circulating water system, and reduce the intensity of water consumption</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Improve the process of battery factory wastewater stations, fully recycle the wastewater, and discharge wastewater when it meets the discharge standards</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Apply PV technology to sewage plants to further reduce the sewage and tap water treatment costs</td>
<td>4-3</td>
</tr>
<tr>
<td>10</td>
<td>Continuously improve cell and module efficiency through technological innovation, thus to reduce the cost of solar energy</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td>Expand the use of renewable energy globally by providing efficient PV products</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>Drive the transition of energy structure through more applications of PV energy, and construct a new industry to boost employment</td>
<td>3-1</td>
</tr>
</tbody>
</table>

**Specific Chapters:**

<table>
<thead>
<tr>
<th>SDG</th>
<th>Responses from LONGi</th>
<th>Specific Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply efficient PVi products to PV poverty alleviation projects and support rural revitalization to ensure stable income</td>
<td>2-4</td>
</tr>
<tr>
<td>2</td>
<td>Donate PV power stations in underdeveloped regions to provide clean power for population without access to electricity</td>
<td>5-4</td>
</tr>
<tr>
<td>3</td>
<td>Apply PV technology to agriculture to help achieve green, high-yield and high-efficiency goals</td>
<td>2-4</td>
</tr>
<tr>
<td>4</td>
<td>Reduce or avoid the use of harmful production materials and dispose of waste in a harmless manner</td>
<td>2-2</td>
</tr>
<tr>
<td>5</td>
<td>Prevent occupational diseases, improve the epidemic prevention and control system, and help the community fight epidemics</td>
<td>4-4</td>
</tr>
<tr>
<td>6</td>
<td>Build a comprehensive staff training system to help employees continuously improve their abilities and career value</td>
<td>5-1</td>
</tr>
<tr>
<td></td>
<td>Cooperate with universities actively to provide support for green energy technology development and talent training</td>
<td>5-4</td>
</tr>
<tr>
<td></td>
<td>Make donations to support education, build campus PV power stations, and implement PV technology education</td>
<td>6-5</td>
</tr>
<tr>
<td>7</td>
<td>Ensure equal pay for equal work for male and female employees and promote gender equality</td>
<td>5-2</td>
</tr>
<tr>
<td>8</td>
<td>Actively create conditions for female employees to enter the Company’s management, with female executive management percentage of 25%</td>
<td>5-2</td>
</tr>
<tr>
<td>9</td>
<td>Keep perfecting the production process, use high-efficiency pumps, optimize the circulating water system, and reduce the intensity of water consumption</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Improve the process of battery factory wastewater stations, fully recycle the wastewater, and discharge wastewater when it meets the discharge standards</td>
<td>4-3</td>
</tr>
<tr>
<td></td>
<td>Apply PV technology to sewage plants to further reduce the sewage and tap water treatment costs</td>
<td>4-3</td>
</tr>
<tr>
<td>10</td>
<td>Continuously improve cell and module efficiency through technological innovation, thus to reduce the cost of solar energy</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td>Expand the use of renewable energy globally by providing efficient PV products</td>
<td>2-3</td>
</tr>
<tr>
<td></td>
<td>Drive the transition of energy structure through more applications of PV energy, and construct a new industry to boost employment</td>
<td>3-1</td>
</tr>
</tbody>
</table>
Taking Climate Actions

01

Responding to Climate Risks
Setting Science-based Targets
Implementation of the Three International Initiatives
"Zero-carbon Plants"
Stepping up Climate Leadership
Building a Green Value Chain

II. Contributing to Zero-Carbon Future
III. Creating Value for Customers
IV. Pursuing Environmental-friendly Development
V. Building a Shared Society
VI. Establishing a Sustainable Enterprise

Key Successes in 2021

60% GHG emissions within the operational boundary will be reduced by 2030
20% Carbon emission intensity per million materials, cell, and glass will be reduced by 2030
309.586 million kWh Renewable energy used by the Group
40.19% Proportion of renewable energy used by the Group
53.85% Power utilization efficiency improved compared to 2015 baseline
27 Major suppliers conduct the Green Supplier Assessment

Became a formal member of the "Green Powered Future Mission" as one of the first Chinese companies
Released first White Paper on Climate Action
Announced conversion of the Baoshan production base into LONGi's first "Zero-carbon Plant" by 2023

Material Sustainability Issues Involved in this Chapter

• Climate Change
• Energy Conservation and Emission Reduction
• Green Supply Chain
Responding to Climate Risks

LONGi has marked climate actions as an important development strategy of the Company, defined the responsibilities of major organizations and departments on climate issues, and formed a governance structure, under the supervision and guidance of the Board, Sustainable Development Committee formulates action guidelines and the Brand Management implements the actions with other relevant departments.

We have integrated climate risks into company-wide risk management processes, identified the climate risks, and established a complete environmental risk prevention and control measures and various Emergency management system for different risk sources, and combating the challenges brought by climate change. Moreover, we are concerned about the impact of climate change on our supply chain, and are working with our partners to enhance their abilities to address climate risks.

<table>
<thead>
<tr>
<th>Risk Type</th>
<th>Risk Factor</th>
<th>Time Dimension</th>
<th>Impact</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Risks</td>
<td>Natural Disasters</td>
<td>Short-term</td>
<td>Disruption of operations and new material supply due to extreme natural disasters</td>
<td>Optimize product packaging and select transportation services to minimize the impacts on global transportation.</td>
</tr>
<tr>
<td></td>
<td>Climate Change</td>
<td>Long-term</td>
<td>Risk of litigation for non-compliance with the law, and losses and fines for failure to meet requirements</td>
<td>Lay emphasis on the comprehensive treatment of the surroundings to reduce negative environmental impact on site selection, daily operation and management.</td>
</tr>
<tr>
<td>Transition Risks</td>
<td>Legal Compliance</td>
<td>Long-term</td>
<td>Compliance risk costs in carbon market due to failure to adjust operational strategies in a timely manner</td>
<td>Strictly abide by the regulatory requirements of the countries where our operations are located and where we sell our products, and establish a sound system and guarantee mechanism to ensure that we meet the environmental compliance requirements of each country where we operate.</td>
</tr>
<tr>
<td></td>
<td>Emerging Regulations</td>
<td>Long-term</td>
<td>Increasing direct costs due to reduced market subsidies</td>
<td>Regularly test the relevant new regulatory requirements and continuously monitor the related risks to improve control over GHG emissions in daily management.</td>
</tr>
<tr>
<td></td>
<td>Market Change</td>
<td>Short-term</td>
<td>Reduced accesses to financing due to increasing negative stakeholder feedback</td>
<td>Improve the conversion efficiency of modules, enhance power generation capacity, cut the cost and increase profit by innovation.</td>
</tr>
<tr>
<td></td>
<td>Corporate Reputation</td>
<td>Mid-term</td>
<td></td>
<td>Actively respond to the market’s and customers’ expectations for low-carbon development, reform the development model and improve corporate low-carbon performance.</td>
</tr>
</tbody>
</table>

LONGi Climate Risk Matrix

LONGi has marked climate actions as an important development strategy of the Company, defined the responsibilities of major organizations and departments on climate issues, and formed a governance structure, under the supervision and guidance of the Board, Sustainable Development Committee formulates action guidelines and the Brand Management implements the actions with other relevant departments.

We have integrated climate risks into company-wide risk management processes, identified the climate risks, and established a complete environmental risk prevention and control measures and various Emergency management system for different risk sources, and combating the challenges brought by climate change. Moreover, we are concerned about the impact of climate change on our supply chain, and are working with our partners to enhance their abilities to address climate risks.

Risk Checklist Formulation
Integrates domestic and foreign trends and feedback from investors, exchanges and other stakeholders, the company’s Sustainable Development Committee, group EHS managers, energy managers, and relevant persons in charge of the bases to jointly conduct annual assessments and submit a risk checklist to the Board for review.

Annual Risk Assessment
The final checklist will be submitted to the Board of Directors for an annual review, and, after approval, will be implemented by member departments of the Sustainable Development Committee.

Internal Risk Control
Established complete environmental and climate risk prevention and control measures and various Emergency management system for different risk sources, and set up different business departments (EHS, energy, base) to monitor persistently.

External Risk Prevention and Control
Supply quality PV products to downstream customers to prevent risks from transition in the context of new energy development. Meanwhile, help upstream suppliers identify risks and opportunities related to climate change.

Appendix I. Taking Climate Actions
II. Contributing to Zero-Carbon Future
III. Creating Value for Customers
IV. Pursuing Environmental-friendly Development
V. Building a Shared Society
VI. Establishing a Sustainable Enterprise
Setting Science-based Targets

In 2021, based on the accurate accounting of GHG emissions within the organization and in accordance with SBTi standards, we simulated the emission reduction pathway under different scenarios, identified the relevance for mission in different scenarios with SBTi minimum requirements, and established the emission reduction target that fulfilled the requirement. While complying with production and operation realities, LONGi’s emission reduction target is ensured to be in line with the GHG emission target of Paris Agreement.

In accordance with the relevant standards and for GHG emission verification, we identified the GHG emission units within the operational boundary in a scientific manner, prepared accounting guidelines and conducted trainings, and established the group’s GHG emissions verification system. We have completed the annual verification for 2021, and will consistently optimize the GHG emissions verification across the value chain to improve the data accuracy.

LONGi’s Science-based Targets Are As Follows

By 2030, the GHG emissions within the operational boundary will be reduced by 60% from the 2020 level. Carbon emission intensity per ton of silicon material, per watt of cell and per ton of glass will be reduced by 20% compared to that of the 2020 level.

LONGi’s 2019-2021 GHG Emissions

<table>
<thead>
<tr>
<th>Year</th>
<th>2021</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Emissions Within the Operational Boundary (tCO2e)</td>
<td>3,151,974</td>
<td>2,573,014</td>
<td>2,212,479</td>
</tr>
<tr>
<td>Scope 1 Direct Emissions (tCO2e)</td>
<td>94,750</td>
<td>92,665</td>
<td>14,927</td>
</tr>
<tr>
<td>Scope 2 Direct Emissions (tCO2e)</td>
<td>3,057,224</td>
<td>2,480,349</td>
<td>2,197,552</td>
</tr>
<tr>
<td>Scope 3 Value Chain Emissions (tCO2e)</td>
<td>22,883,132</td>
<td>20,920,503</td>
<td>—</td>
</tr>
</tbody>
</table>

1. The emissions were calculated in accordance with ISO 14064-1:2018; 2. The emissions within the operational boundary in 2021 covered all production bases, considered the emission reduction effects of renewable electricity, and are calculated by third-party agencies; 3. The emissions data in 2019 and 2020 do not cover the production base in Vietnam; 4. The emissions within the operational boundary in 2019 were not authenticated and do not consider the emission reduction effects of renewable electricity; 5. The value chain emissions in 2020-2021 were calculated by third-party agencies.

LONGi’s Science-based Target setting and Scenario analysis

The minimum SBTi requirements will be as below on basis of actual GHG emissions of LONGi in 2020:

Scopes 1 & 2 (1.5°C scenario):

Scope 3 (absolute contraction, 1.5-2°C scenario):

According to internal development plans, PV industry development trend, and market share forecasts, the GHG emissions of LONGi under optimistic and conservative scenarios are predicted as below:

From the above predictions, the RE100 target will be fulfilled in 2028. Even if no other GHG emission control measures are taken, total emissions within the operational boundary in 2030 will be reduced by 68.6% and 84.3% respectively under the optimistic and conservative scenarios, compared with total emissions in 2020.
Implementation of the Three International Initiatives

As the only Chinese company that simultaneously joined RE100, EV100, and EP 100, LONGi is fulfilling its commitments in 2021, breaking down the promised targets, and building the internal system to promote the implementation of the four international initiatives.

In 2021, LONGi held 5 events along with renewable energy vehicle enterprises and encouraged employees to replace EVs so as to implement the EV100 initiative. LONGi plans to set the installation of EV charging facilities, develop a management policy that encourages the use of EVs (e.g., priority admission, priority parking in the park), and install “PV-storage-charging” integrated intelligent charging sheds for parking in certain locations to provide more renewable electricity to EVs.

Commitment to Target

<table>
<thead>
<tr>
<th>RE100</th>
<th>EP100</th>
<th>EV100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achieve 70% renewable electricity consumption by 2027 and 100% by 2028.</td>
<td>Install Energy Management System for all operational sites by 2025 and to improve power utilization efficiency by 35% on basis of that in 2015.</td>
<td>Install vehicle charging facilities in 100% operational sites by 2030.</td>
</tr>
</tbody>
</table>

Progress in 2021

- The proportion of renewable electricity used in 2021 reached 49.67% through corporate owned power generation facilities, RE purchased from on-site facilities owned by third-party, and RE purchased from the market.
- As of 2021, 8 out of 28 production sites under LONGi Group had installed Energy Management System, and power utilization efficiency had been improved by 53.85% compared to the basis in 2015.
- As of 2021, 5 out of 29 production sites (include the head office) under LONGi had installed 50 charging facilities, including 41 7kW AC charging cables and 9 40kW DC charging cables.

Although experiencing electricity shortage in 2021, LONGi’s consumption of renewable electricity still exceeded 40%.

“Zero-carbon Plants”

During the UNCCD 15th session of the conversion of the Parties (COP15), LONGi announced the company’s Baoshan production base into the first “Zero-carbon Plant” by 2023. In addition, LONGi plans to achieve Zero Carbon operational boundary of Baoshan plant and implement the Three International Initiatives by utilizing 100% renewable electricity, completing energy-saving technological transformation projects and purchasing CCER or other offset solutions.

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
<th>Step 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ensure 100% utilizations of renewable electricity (RE 100) throughout the year.</td>
<td>Complete energy-saving technological transformation projects to reduce natural gas leakage (EP 100).</td>
<td>Promote green transportation and green office (EV 100).</td>
<td>Purchase CCER or other carbon credit to offset remaining emissions.</td>
</tr>
</tbody>
</table>

“Zero-carbon Plants” Launching Ceremony in LONGi

Although experiencing electricity shortage in 2021, LONGi’s consumption of renewable electricity still exceeded 40%.

2019-2021 LONGi Renewable electricity consumption statistics

Note: The data are sourced from statistics by LONGi. And data of 2020 and 2021 had been verified by third-party agencies.
Stepping up Climate Leadership

In 2021, LONGi continued the active participation in global climate change events, demonstrating LONGi capabilities of its green visions on impactful platforms. LONGi had released its first White Paper on Climate Action to reveal our solutions in climate actions. In the future, we look forward to collaborating with more global partners to achieve greater change.

June 15th
- United Nations Global Compact (UNGC) Leaders’ Summit 2021
  - Li Zhenguo, Founder and President of LONGi Group, was invited to attend and spoke about “How to create a carbon-neutral future through jointly building the Digital Silk Road” on the summit.

August 19th
- The 5th China-Arab States Expo
  - Zhong Baoshen, Chairman of LONGi Group, attended the opening ceremony and delivered a keynote speech with the theme of “PV/Tech/ology Enterprises Should shoulder the Mission and Glory of Carbon Neutrality.”

October 2nd
- “Green Powered Future Mission” of the Mission Innovation (“MI”)
  - LONGi Group became one of the first Chinese companies and the first company in the PV industry to join the “Green Powered Future Mission” of the Mission Innovation (“MI”) as a core member. “MI” is a multilateral cooperation mechanism in the field of clean energy launched by COP21, and 24 countries and the EU have officially joined this initiative.

October 19th
- UNCCD 15th session of the Conference of the Parties (COP15)
  - At the Opening Ceremony of the Conference of the Parties (COP15), Zhong Baoshen, Chairman of LONGi Group, announced to convert the company’s Baoshan production base into the company’s first “Zero-carbon Plant” by 2023.

November 4th
- The UN Climate Change Conference of the Parties (COP26)
  - The Founder and President of LONGi Group, Li Zhenguo has participated in a special company activity at COP26 in Glasgow via online video and released the company’s first White Paper on Climate Action, outlining LONGi’s “Commitment and Action to Address Climate Change”. LONGi also became one of the first companies in the world to release the White Paper on Climate Action.

November 8th
- The 4th China International Import Expo
  - LONGi Group attended the “International Carbon Neutrality and Green Investment Conference” and shared its vision and actions of “zero carbon”.

November 11th
- 2021 Asia-Pacific Economic Cooperation (APEC) CEO Summit
  - Li Zhenguo, the President of LONGi, took part in a virtual roundtable discussion on the topic of “The Future of Energy”, mainly focusing on the crucial roles and impact of photovoltaic and hydrogen energy in the process of global energy transition.

November 15th
- The 23rd Africa Energy Forum
  - Francisco Estela, Technical Director of LONGi PV in Central and East Africa Sales Department, participated in the panel session “Building Capacity: Solar” and discussed how LONGi provides high quality PV system solutions for the African region, especially for areas without electricity.

Building a Green Value Chain

According to LONGi’s Supplier Code of Conduct, suppliers must comply with domestic and foreign environmental protection laws and regulations, carry out management of hazardous substances including waste water and waste gas; minimize environmental pollution and continuously improve environmental protection performance; replace traditional energy with renewable energy as much as possible, continuously promote energy conservation and emission reduction, and practice the concept of a greener supply chain.

At the 2020 Supplier Conference, LONGi launched the LONGi Greener Supply Chain Carbon Reduction Initiative with more than 150 suppliers, calling on suppliers to take climate actions. LONGi motivated 27 suppliers to conduct the Green Supplier Assessment, carried out value chain emission accounting, and promoted energy conservation and emission reduction with remarkable outcomes.

In the future, we will continue to establish a green supply chain system, carry out in-depth green supplier evaluations, carry out more accurate value chain emission accounting, and provide energy-saving & emission reduction support for upstream and downstream suppliers.

Case
Asian Silicon Implement Energy Conservation in Response to LONGi’s Initiative

As an important supplier and partner of LONGi, Asia Silicon (Qinghai) Co., Ltd. responded to LONGi Green Supply Chain Carbon Emission Reduction Initiative and carried out Energy conservation and emission reduction accordingly.

Through the upgrading projects, the company recovered and utilized the waste heat and saved 412t of low-pressure steam, equivalent to 247000 Nm³/year of natural gas, and 240000 kWh of electricity per year. Meanwhile, Asia Silicon also upgraded the electrolyser for hydrogen production and replaced with the energy-saving electrolyzers, reducing the consumption of hydrogen electricity by 1.8kWh/Nm³ and saving 1.8 kWh of electricity per year. It has helped reduce the carbon footprint of LONGi’s products while reducing its internal energy consumption.
Contributing to Zero-Carbon Future

Embracing Green Hydrogen Products
Developing Green Products
Promoting Green Transformation
Promoting Ecological Harmony

SDGs responded to in this chapter

Key Successes in 2021

Formally established Xi’an LONGi Hydrogen Technology Co., Ltd.
Received green manufacturing system certification of the China’s Ministry of Industry and Information Technology (MIIT)
Joined the “PV Recycle Industry Development Center ” launched by China Green Supply Chain Alliance
LONGi Hi-MO 4 and Hi-MO 5 series modules received the “Carbon Footprint Verification” from BUREAU VERITA
LONGi wafers (182mm x 182mm) based Hi-MO 5 series module received the “Carbon Footprint Verification” from Certisolis
Signed a strategic cooperation agreement with Sinopec for in-depth cooperation in multiple fields
Established strategic partnership with Center INT to promote development of green energy in the built environment
Gained recognition as one of the SDG good practices by UN DESA

Material Sustainability Issues Involved in this Chapter

• Clean Energy Development • Facilitation of Green Transition
• Green and Circular Products • Protect Ecological Environment
Embracing Green Hydrogen Products

Hydrogen is considered a clean and high efficient secondary source of energy, as well as the key of deep decarbonization. Under the trend of carbon neutrality and the falling costs of solar and wind, electrolysis is expected to be the crucial means of hydrogen production.In 2018, LONGi began to conduct strategic research into the hydrogen value chain, and developed technologies in water electrolysis based hydrogen production equipment and PV hydrogen production. On Mar. 31, 2021, we officially established LONGi Hydrogen Energy Technology Co., Ltd, and committed to become a world-leading hydrogen technology company.

In October 2021, LONGi Hydrogen successfully launched its first alkaline water electrolyzer, marking a milestone in the Company’s ability to deliver orders. By the end of 2021, LONGi Hydrogen Energy has already formed a capacity of 500MW of electrolyzed water hydrogen production equipment.

LONGi Hydrogen Energy’s large-scale alkaline water electrolyzer has risen to the top of the industry’s technology rankings. The electrolyzer adopts a modular and high current density design, and removes asbestos gauge to be more environmental friendly. A single electrolyzer may produce up to 1000Nm3/h of hydrogen, which could meet the requirements of the level I energy efficiency in the national codes. The distributed IO control system has high integration and saves materials. It has been granted 2 patent licenses for utility model and 5 patents for invention, awarded with the Annual Technology Award of the 2021 Gaogong Golden Globe Award.

1000Nm³/h
Hydrogen output of a single electrolyzer

2 Patent Licenses for utility model granted
5 Patents for invention
Awarded the Annual Technology Award of the 2021 Gaogong Golden Globe Award

In the future, LONGi will continue to improve the manufacturing process, optimize product lifecycle and carbon footprint management to create more low-carbon products for the whole lifecycle.

Developing Green Products

At present, our “green power + green hydrogen” solution fully covers steel smelting, petroleum refining, synthetic ammonia, synthetic methanol and other manufacturing and living fields. The design of multiple electrolyzers corresponded to one gas-liquid separation system and gas purification system not only helps customers achieve large-scale production but also solves the problem of high investment in land, making the large-scale production of green hydrogen by green energy possible.

Green Lifecycle Management

We observe the 3R (Reduce, Reuse, Recycle) manufacturing concept, and integrate sustainability into the supply, materials, product design, manufacturing and other links to control the carbon emissions throughout the product lifecycle. We also embed the green concepts in “LONGi Lifecycle Quality” to ensure that the module products are robust and reliable while also having environmental protection and low-carbon advantages.

In 2021 LONGi received the Green Manufacturing System Certification of China’s Ministry of Industry and Information Technology (MIIT), and was the PV enterprise that recognized for “Green Factory”, “Green Product” and “Green Supply Chains” at the national level. At present, LONGi Hi-MO series module received the “Carbon Footprint Verification” from BUREAU VERITA. Complying with French carbon footprint standards, including materials, technology, manufacturing, and energy consumption in transportation, LONGi (182mm x 182mm) wafers based Hi-MO 5 series module received the “Carbon Footprint Verification” from Certisols.

In the future, LONGi will continue to improve the manufacturing process, optimize product lifecycle and carbon footprint management to create more low-carbon products for the whole lifecycle.
Recycling of Materials

Recycling is the "last mile" to realize the green development throughout the lifecycle of PV modules. With the rapid growth of PV industry, the recycling of PV products is of wide concern. LONGi also actively participates in the research on module recycling at home and abroad, and prepares for the recycling of modules.

We dispose the scrapped PV modules and equipment strictly in line with EU Waste Electrical and Electronic Equipment (WEEE) Directive and incorporate the considerations of recycling into the product design in advance.

At present, solar cells, glass, backplates, aluminum frames, EVA etc, and many elements of our PV product have recycling value, and over 90% of products are expected to be comprehensively recycled and reused.

In 2021, LONGi joined the "PV Recycle Industry Development Center" launched by China Green Supply Chain Alliance, and explored recycling technology and policy of PV products with related enterprises and institutes.

In terms of product packaging, we require our suppliers to innovate their own packaging scheme in line with our standards and advocate to reduce packaging, using greener logistics and recycling across the whole industry chain.

Promoting Green Transformation

Relies on the world’s leading green energy solutions, LONGi promotes the upgrading and green transformation of traditional industries to build a "Green Energy Future".

Boosting Carbon Neutrality in the Electric Power Industry

Integrating the power supply and grid resources and supporting by flexible energy storage and other advanced technologies, LONGi paves the way for building a new-generation power system that integrates power generation source, grid, load, and storage capabilities.

LONGi is actively exploring the business practice of "wind-light-storage integration". The group has completed a number of hybrid power plants in Xianzhaotuxiang, (Shanxi), Taiyangshan(Ningxia), and Datong(Shanxi), and makes the combination of "wind-light-storage integration" and other types of hybrid power solutions possible.

In May 2021, LONGi established a strategic cooperation with Mingyang Smart Energy, the leader in the wind power sector, and takes the "wind-light-storage-hydrogen integration" as one of the efficient applications to promote large-scale renewable energy generation projects.

In the future, LONGi will increase the R&D in hydrogen technology. We also plan to promote PV+pumped energy storage in areas which are rich in sunlight resources, near the sea, and take advantage of elevation difference, and develop hybrid power solutions.
PV + Industry All-Scenario Solutions

LONGi works with partners from various industries to develop PV solutions for all-scenarios, including transportation, industry, and construction.

As of December 2021, Sinopec and LONGi New Energy have signed a distributed PV project for 147 gas stations. By utilizing high-efficient BIPV distributed PV system, LONGi helped Sinopec to save energy and reduce emissions, accelerating the green transformation.

“PV + Industry”

LONGi launched a decarbonization solution for industries, which has PV technology as the core, and boosted the green transformation of industrial enterprises. In October 2021, LONGi Hydrogen Energy’s first alkaline water electrolyzer came off the assembly line, marking the company’s preliminary capability to deliver green hydrogen orders.

“PV + Transportation”

LONGi has implemented “PV + transportation” projects all over the world, effectively easing the strain on the urban power grid system and driving the green transformation to achieve the goal of zero carbon.

“PV + Construction”

LONGi leveraged the leading product quality and design integration solution to fully exploit the synergies of building and secondary structure, creating a harmonious environment for people. In order to speed up the setting up of new energy PV power plants, the company has established the Sunlight Collection System (Sunlight Collection System, or SCS), a world-class, high-quality, high-tech, high-end, and high-efficiency PV product. LONGi collaborates with the world’s leading metal facade system manufacturer to jointly promote the deployment of clean energy in the built environment by utilizing the advantages of CENTER INT’s design capabilities and resources in the field of solar power systems.

Case

“BIPV Distributed PV” Facilitates the Green Transformation of Traditional Gas Stations

As of December 2021, Sinopec and LONGi New Energy have signed a distributed PV project for 147 gas stations. By utilizing high-efficient BIPV distributed PV system, LONGi helped Sinopec to save energy and reduce emissions, accelerating the green transformation.
Case

Harvest of wheat under solar panels

This happiness and hope are refreshing in Qianyang County of Baoji City in Shaanxi Province: The clean energy generating solar panels and the wheat waves underneath it, consisting a true scene of the “friendly solar power station” supplied by LONGi. This is LONGi Qianyang 100MW PV Combined Power Station Project. The complementary advantage integrated between solar and agriculture on this project will not only yield power and grains while cutting costs, saving energy and reducing carbon emissions, which will lead to the win-win results of solar development and rural vitalizations.

Solar-Ecological Restoration Solutions

From Kubuqi desert power stations, to the treatment of Lingwu coal mine goaf, Shanxi coal mine goaf and other projects, combining with its own advantages, LONGi has accumulated rich experiences in the construction of PV projects where controlling erosion and sand in the desert, rehabilitating old mines with PV, and provides ecological restoration solutions for problems such as land desertification, closed mines, saline-alkali soil and brackish water. The successful application of LONGi’s module products in the desert areas in Africa and the Middle East has facilitated the development of the new model of “Solar-based Desertification Control Solutions” worldwide and demonstrated LONGi’s strength to the ecological restoration of the earth.

Agri-voltaics

Currently, under the target of larger installed capacity, contradiction between PV power stations and land scarcity is becoming increasingly urgent. For the reason, LONGi has started to explore agri-voltaics, which strikes a balance between economic value creation and ecological restoration through comprehensive utilization of land. In addition to agriculture, PV power plants can also be combined with forestry, animal husbandry in different terrains. LONGi hopes to promote the sustainable development of local economy, society and ecology by driving rural green industries through PV power plants. By the end of 2021, LONGi has developed four sets of Agriculture Related power plant solutions including agri-voltaics, forestry agri-voltaics, animal husbandry agri-voltaics, and fishery agri-voltaics. In Qinghai, China, LONGi’s animal husbandry agri-voltaic, complemented with solar, has created a new development model for local animal husbandry. In Ningxia, China, LONGi has turned 6,670 hectares of desert into a wolfberry plantation, which combines PV power generation with agricultural industries.

In Tongchuan, Shaanxi, LONGi created developmental mode that integrates PV power generation, agriculture and poverty alleviation, which has gained recognition as one of the SDG good practices by UN DESA. “The project is highly compatible with sustainable development goals. The power station not only promotes the employment of local farmers and helps local rural revitalization, but also has great significance to ecological restoration of the Loess Plateau.”
Creating Value for Customers

Creating Excellent Products
Providing Quality Service
Strengthening Supply Chain Management
Enhancing Brand Influence

SDGs responded to in this chapter

Key Successes in 2021

- CNY 4.394 billion invested in R&D
- 5.43% R&D operating investment accounting for the total revenue
- 1,387 authorized patents granted in total
- 50% percentage of new suppliers that were screened using environmental criteria
- 96% percentage of new suppliers that were screened using social criteria
- 289 suppliers participated in CSR trainings
- CNY 40.216 billion business brand value
- 7 times broke the world record regarding PV cell conversion efficiency

Released the first “Lifecycle Quality” in the PV industry

Named as a ‘Top Performer’ by PVVEL for the fifth consecutive year and achieve this ranking in all 6 testing categories

Nominated for the 4th China Quality Award, as the first enterprise receiving such honor in the PV industry

Material Sustainability Issues Involved in this Chapter

- R&D and Innovation
- Responsible Sourcing
- Product and Service Quality
- Supply Chain Management

Introduction | Annual Feature | Sustainable Development Management | Appendix | I. Taking Climate Actions | II. Contributing to Zero-Carbon Future | III. Creating Value for Customers | IV. Pursuing Environmental-friendly Development | V. Building a Shared Society | VI. Establishing a Sustainable Enterprise

I. Taking Climate Actions

II. Contributing to Zero-Carbon Future

III. Creating Value for Customers

IV. Pursuing Environmental-friendly Development

V. Building a Shared Society

VI. Establishing a Sustainable Enterprise
Creating Excellent Products

Longi Group pursues independent innovation and forward-looking business deployments. From the customer’s perspective, it maintains a high proportion of investment in R&D to ensure that its high-efficiency cells, module technology and products to be above and beyond basic industry benchmarks in efficiency, performance, quality and cost, and to maximize customer values.

In 2021, the Company set up the central research institute, allocated internal and external resources to support a multi-level R&D system, and set up a R&D team with over 1,000 people, including a number of industry-leading technical experts and leaders of research and technology. At present, Longi has a first-class PV enterprise technology center, while it had established the strategic cooperative relations with well-known universities at home and abroad. In addition to in-depth technology R&D, we also continue to improve the management competency and testing capability of our laboratories.

With an annual revenue of US$4.4 billion, the R&D operating revenue accounting for the total revenue is 5.43%, and the company has been granted 1,387 authorized patents.

We believe that the key to innovation in the PV industry is to improve cell conversion efficiency. Guided by the long-term value of end customers, we continued to challenge the limits of technology applications. In this year, Longi has refreshed the world records of PV cell conversion efficiency for seven times, among which the conversion efficiency of n-type TOPCon, p-type TOPCon and n-type HJT has been pushed up to 25.21%, 25.19% and 26.30% respectively, with multiple key breakthroughs made in this industry.

Leading Science and Technology Innovation

Longi Group pursues independent innovation and forward-looking business deployments. From the customer’s perspective, it maintains a high proportion of investment in R&D to ensure that its high-efficiency cells, module technology and products to be above and beyond basic industry benchmarks in efficiency, performance, quality and cost, and to maximize customer values.

In 2021, the Company set up the central research institute, allocated internal and external resources to support a multi-level R&D system, and set up a R&D team with over 1,000 people, including a number of industry-leading technical experts and leaders of research and technology. At present, Longi has a first-class PV enterprise technology center, while it had established the strategic cooperative relations with well-known universities at home and abroad. In addition to in-depth technology R&D, we also continue to improve the management competency and testing capability of our laboratories.

We continued to improve our quality management system, and formulated series of documents such as Integrated Quality Management System, which are in implementing process. Based on rigorous testing of products, realistic scenario simulation is implemented to guarantee the delivering of high quality products to customers.

Delivering Reliable Products

Longi launched “Lifecycle Quality” standard, the first such standard for the solar PV industry, at SNEC 2021. From module design, through mass production to post-sales support, the standard adheres to the core concept of ‘Customer Value First’ throughout every stage. It also emphasizes the reliability in technology, material introduction, and manufacturing to secure the customer value.

In terms of R&D and testing, Longi is equipped with first-class hardware. Our product R&D Centre has been carrying out in-depth cooperative research with scientific institutions such as the University of New South Wales and the China Electric Institute (CEI), and owns several laboratories for raw material monitoring which had been certified by domestic and foreign authorities. In terms of module design, Longi focuses on multi-dimensional analysis for applications under various scenarios to select the optimal solution. In terms of product testing, Longi ensures the suitability and reliability of the products by adopting differentiated test methods under different application scenarios and extreme climatic conditions during module design.

Longi commits that there will be no concession on material or quality standards when upgrading the power or reducing costs. As for material selection, only those suppliers meeting the Longi BOM standards can be considered. Products from selected suppliers are subject to rigorous testing, and only those that pass this rigorous testing process can be introduced into mass production. To strengthen reliability of these materials, Longi not only conducts special tightened tests on key materials, but also benchmarks its material standards against national and industrial standards to fully secure the product quality and performance.

Longi has adopted management systems, including ISO9001, ISO45001, ISO14001 and IEC TS 62941. Longi conducts comprehensive annual, quarterly and monthly product performance monitoring. Meanwhile, Longi adopts digital methods to attach a specific QR code to each of its modules to handle the anti-counterfeiting validation, so that customers are able to verify the authenticity of modules and check product documentation in a timely manner, hence improving customers’ perception of the product quality.
## Ensuring Customers’ Rights and Interests

LONGi provides customers with standardized services covering full lifecycle. We refer to the Customer Satisfaction Measurement Management System, create a complete customer service document for every customer, establish three major support platforms for customer service, and constantly improves the breadth and depth of services.

## Protecting Customer Value

We listen to customers’ needs, protect customer value and provide products and services that can better satisfy their demands. The Company divided customer feedback issues and opinions into three categories, “control issues”, “standard issues” and “customer communication”, and clarified the main responsibility of management, promoted problem rectification, and improvement of quality.

## The Full Process of Customer Services

- **Pre-sales**
  - Provide quality technical consulting services during product sales process to help customers understand the product value.

- **In-sales**
  - During the sale process, actively maintain customer communication, specify product and technology application scenarios.

- **After-sales**
  - Conduct product satisfaction surveys, mainly reply to customers’ complaints, and cooperate with multiple departments to respond to the needs of customers.

## Three Supporting Platforms

- **Customer Complaint Platform**
  - Globally unified to meet customers’ needs for operations with high efficiency across regions and internal departments.

- **Spare Parts Platform**
  - Set up a spare parts management system in the global core market to solve major component replacement in a timely manner.

- **Fault Analysis Platform**
  - Rely on on-site information collection, an information entry system, and an expert analysis team to comprehensively solve the problems encountered within the full life cycle of the project.

## In the past two decades, LONGi has adhered to its core concept of ‘Customer Value First’. Our standardized service system throughout the lifecycle is committed to improving customers’ satisfaction and creating greater value and long-term investment return for them.

Wang Xiaoyong, Director of Technical Service Department under LONGi Global Marketing and Sales Center
Caring for SME Customers

Under the trend of energy transformation, we see the challenges and operational vulnerabilities faced by SME customers. For their special needs, we developed diversified household PV solutions and service modes under multiple application scenarios.

- In Australia, local wineries take advantage of energy from LONGi’s solar panels

- In US, LONGi’s solar panels helped local workshops decrease energy costs

To further satisfy customers’ needs for business, product technology and delivery service solutions in a full lifecycle, LONGi has started a new service mode of “Business-Technology-Service Integration”. Account managers, product solution managers, and service managers communicate with customers on all aspects related to their own field of expertise. With “Expert Consulting” team services, direct contact with the professional team in the full lifecycle is realized to answer customers’ questions in an efficient and professional manner, so that customers can have access to reliable products and services.

_in the future, we will extend to customers’ side to strengthen the connection between supplier and customers; gradually integrate order and logistics information as well as cross-field information; set up a customer-oriented project supply chain organization to further improve customer satisfaction and maximize value for customers.

"In 2021, LONGi overcame the difficulties from the sharp rise of raw materials’ prices in the PV industry chain. As LONGi always looks at the big picture and values credibility, the Company completed the supply of modules for Chengsheng and Baishui PV projects, and helped put the projects into production, which laid a solid foundation for future deepening cooperation."

Datang Shaanxi Power Generation Co., Ltd

strengthening supply Chain Management

LONGi is committed to the concept of “win-win cooperation, interconnected innovation and green carbon reduction” and has fully integrated the concept of sustainable development into our supply chain management, driving the concept of responsible supply chain to further development and continuously reducing the environmental and social risks of the overall industry chain in the PV industry.

responsible sourcing

We have fully launched supplier access standards and thresholds in 2021. Suppliers of production materials are required to have Quality Management System, Environmental Management System and Occupation Health Safety Management System Certifications. For those eligible suppliers, only outstanding performers will be selected. For suppliers of bulk production materials, the Supply Chain Management Center screened 50% of new suppliers by using environmental criteria and 96% of new suppliers by using social criteria in 2021. We also promoted green suppliers’ self-assessment, and monitored the environmental information of 30 suppliers through the supply chain management platform of the of Public and Environmental Affairs (IPE).

In December 2021, we have visited and inspected

18 provinces
12 distributed industrial and commercial customers
24 industrial and commercial power stations
29 distributed PV training camps have been held
13 distributed household customers
65 household power stations
50% new suppliers screened using environmental criteria
96% new suppliers screened using social criteria
30 suppliers’ environmental information have been monitored

Moreover, all BOM materials of LONGi’s modules have passed tests and certifications of external organizations. We also conducted tightened tests on some products with the rigorous standards according to customers’ needs. We made a promise to avoid purchase and use of controversial materials. The Conflict Minerals Code of Conduct was issued to clarify suppliers’ responsibility to avoid purchasing “conflict minerals”. It is applicable to all suppliers who provide LONGi with raw materials, parts, modules, and subassemblies to integrate into LONGi’s products, as well as those who supply products to LONGi for resale.

Meanwhile, LONGi continued to standardize suppliers’ material selection, industrial standards, environmental protection and other regulations to encourage suppliers to practice climate action and sustainable development, with reference to the Administrative Measure on the Control of Pollution Caused by Electronic Information Products, the EU’s mandatory standard Restriction of Hazardous Substances (referred to as “RoHS”) and Responsible Business Alliance Code of Conduct (referred to as “RBA”).
Strengthening Supplier Management

In accordance with a series of system documents formulated by the Company, such as Supplier Code of Conduct and Strategic Supplier Management Measures, we incorporated sustainable development requirements such as business ethics, environmental impacts, labor rights and human rights, as well as health & safety into supplier management, and conducted social responsibility related training for suppliers. We have organized 2 trainings for a total of 289 suppliers in 2021. In addition, we give preference to local suppliers under equal conditions.

2 social responsibility related trainings

289 suppliers participated in training

LONGi’s Supplier Distribution Statistics

<table>
<thead>
<tr>
<th>Suppliers from</th>
<th>Total amount of suppliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hongkong, Macau and Taiwan Regions</td>
<td>4,633</td>
</tr>
<tr>
<td>foreign countries</td>
<td>558</td>
</tr>
<tr>
<td>Chinese Mainland</td>
<td>5,213</td>
</tr>
</tbody>
</table>

Note: The data come from the statistics of LONGi Group.

LONGi has continuously strengthened supplier’s performance management, optimized the Supplier’s Performance Evaluation Management System, clarified the scope, period, dimension and standards of evaluation, refined the methods and requirements to improve performance of suppliers at all levels, added a performance result appeal mechanism, and promoted the application of supplier performance results in strategic supplier selection, order share allocation, new material (process) development and introduction as well as other links. We have established a partnership with a third-party credit evaluation platform to incorporate the judgment results of the risk radar platform into the assessment of potential suppliers. Meanwhile, we have connected the risk radar platform and the internal Supplier Relationship Management System ("SRM") to receive early warning of any risk from suppliers and avoid any harm to the supply chain.

Cooperative Innovation in Supply Chains

LONGi has insisted on collaborative innovation in the supply chain and conducted regular exchange activities with major suppliers. The Company carries out two exchange activities with its strategic suppliers and one annual audit exchange activities with its major suppliers every year, and plans to carry out quarterly exchange activities in the future.

We have released the Proposal on Innovation of New Materials, Technologies, Processes to our cooperation partners. The Supply Chain Management Center will establish all-round service channels and communication mechanism for LONGi R&D team and LONGi suppliers to regularly exchange ideas on new technologies, materials, processes, or technical routes. In addition, we will present our innovation-related demand to suppliers regularly.

In 2021, We have established active cooperation with our suppliers in technical innovation of diamond wires, cost reduction of thermal field materials, improvement of cell efficiency and other fields, encouraging 9 suppliers to build their plants nearby and jointly completing 33 value engineering projects.

Enhancing Brand Influence

LONGi takes 2021 as the “The Year of Brand Quality Improvement”. We improved the brand quality improvement system by insisting quality as the core of the brand, delivering value through marketing solutions, and creating critical value impact through procurement. No violations in marketing occurred throughout the year.

In 2021 China Brand Evaluation” released by Xinhua News Agency.

LONGi Group reached a new high with its brand value of 40.216 billion yuan and intensity index of 864.

The Company has increased its brand value for three times in a row.

Won the PV Brand Lab (PVBL) Global Top PV Brand Award.

Meanwhile, multiple module products of LONGi have won important awards at home and abroad, demonstrating its brand impact and industrial recognition in major markets.
Pursuing Environment-friendly Development

Environment Compliance
Energy Saving and Consumption Reduction
Water Resource Utilization Management
Waste Management

04

3
The number of production bases conducted ISO 50001 Energy Management System Certification

8
The number of production bases deployed energy management system

267
The number of projects planned and implemented improvements

259 (million kWh)
of electricity saved

58.75%
water recycling rate realized

5,896,600 tons
of water saved

5.38%
decrease in electricity consumption group-wide

10.73%
decrease in water consumption group-wide

All production bases passed ISO14001 System Certification in 2021

Material Sustainability Issues Involved in this Chapter

• Environmental Compliance
• Energy Management
• Water Resource Utilization Management
• Waste Discharge Management
Strengthening Environmental Monitoring

LONGI attaches great importance to environmental protection and fulfillment of its environmental responsibility. In 2021, all production units of the Company strictly implemented relevant national environmental regulations and environmental protection requirements, and the treatment of waste water, waste gas and solid waste fulfilled the relevant standards, with no major environmental violations throughout the year. We have established a comprehensive environmental impact assessment for construction projects, implemented an early warning monitoring for the whole process from project construction to production operation, and strengthened risk emergency management measures.

Meanwhile, we have established and improved the internal environmental management system based on ISO 14001 Environmental Management System. During the reporting period, all production bases of the Group passed certification of ISO 14001.

Environmental Self-monitoring Programs of LONGI Key Pollutant Discharge Units

LONGI Solar (Ningxia)
- Internal waste gas monitoring twice a day; outsourced leading 4 times a year; monthly internal supervision, inspection and compliance disposal of the quintuplicate of hazardous waste treatment.

LONGI Solar (Zhejiang)
- Established one hazardous waste warehouse, which is in normal operation and can meet the requirements of hazardous waste treatment.

Waste water real-time online monitoring, and data uploaded every hour; internal monitoring twice a day, and outsourced testing 12 times a year.

Project Environment Management

We strictly comply with the Environmental Protection Law of the People’s Republic of China and relevant laws and regulations of the countries and regions where our overseas production bases are located, and have formulated the Environmental Monitoring and Management Regulations in order to control the sewage outlets, pollutants, noise monitoring, emissions, and disposal standards in each plant area and ensure they meet the requirements of relevant standards. Our key pollutant discharging units have formulated environmental monitoring plans for main pollutants based on practical situations for daily monitoring, monthly inspections and annual evaluations. We continue to improve the production process to ensure high environmental standards are obtained during operations. In 2021, all bases achieved up-to-standard environmental monitoring results.

Environmental Self-monitoring Programs of LONGI Key Pollutant Discharge Units

LONGI Solar (Ningxia)
- Internal waste gas monitoring twice a day; outsourced leading 4 times a year; monthly internal supervision, inspection and compliance disposal of the quintuplicate of hazardous waste treatment.

Environmental Emergency Management

We have established sound environmental risk prevention and control measures and emergency management systems for various risk sources. For environmental risks involved in the production process and pollution production links, we have commissioned third parties to perform risk analysis and assessment of any environmental pollution emergency, formulated the Emergency Responsive Plan for Sudden Environmental Pollution Accidents and filed it to the local environmental protection agency.

Energy Saving and Consumption Reduction

Energy Saving Management

We have formulated the overall implementation plan of the Group’s energy management system, launched the Energy Management Information System, established an incentive mechanism to promote energy conservation and consumption reduction.

Achievements of LONGI’s Energy Management System in 2021

Formulating Work Plans
- Clarified the Group’s goals for energy management
- Established the Group’s Energy Management Leading Group with the chairman as the group leader
- Specified the working mechanism of energy management system and division of work of all departments

Optimizing Management System
- Designed 93 energy management personnel at all levels
- Recruited 50 energy management experts
- Formulated and issued 9 system documents

Conducting Certification Training
- Formulated the construction plan for the Group’s energy management system
- Conducted ISO50001 Energy Management System certification in 3 bases
- Organized training sessions for internal auditors of energy management system

Promoting Construction of Energy Management System
- Formulated an overall implementation plan for the Group’s Energy Management System (EMS)
- Completed construction of Energy Management System in 6 bases
- Initiated pilot construction of Energy Management System in 2 bases

Technical Rectifications for Energy Saving

With an increased investment in environmental protection, the Company has planned and implemented projects of reforming energy-saving technology and continued to reduce the use of energy and water resources. In 2021, all units of the Group have planned and carried out a total of 267 improvement projects (saving water/electricity and other resources), which included continuous optimization of the process and production systems, use of high-efficiency pumps, improvement of circulating water systems, power of pumps, air-conditioning systems and compressed air systems, implementation of frequency conversion renovation of pumps, air compressors and cooling towers, as well as waste heat recovery, automatic lighting control, optimization of the number of lights, and strengthened lighting management. In 2021, the whole Group saved 259 million kWh of electricity and the overall per-unit power consumption of the whole Group was reduced by 5.38%.

Achievements of LONGI’s Energy Management System in 2021

Formulating Work Plans
- Clarified the Group’s goals for energy management
- Established the Group’s Energy Management Leading Group with the chairman as the group leader
- Specified the working mechanism of energy management system and division of work of all departments

Optimizing Management System
- Designed 93 energy management personnel at all levels
- Recruited 50 energy management experts
- Formulated and issued 9 system documents

Conducting Certification Training
- Formulated the construction plan for the Group’s energy management system
- Conducted ISO50001 Energy Management System certification in 3 bases
- Organized training sessions for internal auditors of energy management system

Promoting Construction of Energy Management System
- Formulated an overall implementation plan for the Group’s Energy Management System (EMS)
- Completed construction of Energy Management System in 6 bases
- Initiated pilot construction of Energy Management System in 2 bases

2021 LONGI’s Actual VS Target Energy Consumption Reduction of Each Production Unit
Promoting Energy Savings

LONGi regularly publicizes energy saving in all production units to promote the concept of green development and raise the awareness of energy saving and environmental protection. During the 31st National Energy Conservation Publicity Week in 2021, a series of publicity activities themed “Energy Conservation and Carbon Reduction for Green Development” were held at the headquarters of the Group to encourage employees to strive for a zero-carbon life with their practical actions.

Utilization of Water Resources

We constantly monitored risks relating to water utilization in our production and operation regions and formulated effective measures to reduce the risks, so as to ensure that water resources could support long-term development of the company. During the reporting period, our water sources mainly include municipal water, with a fresh water withdrawal of 35,087,619.24 tons.

35,087,619.24 tons

We strictly comply with the Water Law of the People’s Republic of China, the Water Pollution Prevention and Control Law of the People’s Republic of China and other laws and regulations, and have set up a work leading group (task force) on energy management steered by the chairman and president of the Group, which is responsible for the formulation of strategies and performance assessment of water resources management, and guides the production sites to continuously innovate equipment and processes to improve the reuse of water resources and reduce emissions.

Water Resource Evaluation and Consumption

Before water withdrawal, we will conduct analysis and assessment to analyse the current water resources development and utilization situation in the watersheds or regions where we had production or operation activities, including the rationality of water use, the potential impact of water resources development and utilization, and the water resources protection measures.

Wastewater Discharge Treatment

We classified wastewater into industrial wastewater and domestic sewage, and took corresponding measures for treatments. Industrial wastewater is generated by solar cell manufacturing, circulation, cooling processes, preparation of pure water with concentrated water and ground cleaning. We made full use of wastewater that could be recycled, and treated wastewater that could not be recycled to meet corresponding standards before discharge. Domestic sewage was discharged via the municipal sewer networks for treatment. In 2021, we made improvements in reduction of water content in silicon sludge, reduction of COD in wastewater, recycling of lactic acid, reuse of recycled water, and wastewater treatment system to promote disposal and recycling of wastewater.

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2021</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Water Consumption (Tons)</td>
<td>35,087,619</td>
<td>32,750,659</td>
<td>17,506,952</td>
</tr>
<tr>
<td>Proportion of Water Reused (%)</td>
<td>58.75</td>
<td>33.89</td>
<td>43.20</td>
</tr>
<tr>
<td>Note: The data are sourced from statistics of LONGi Group</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pollutant Type</th>
<th>2021</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Discharge (Tons)</td>
<td>21,438,628</td>
<td>20,205,828</td>
<td>17,506,952</td>
</tr>
<tr>
<td>Chemical Oxygen Demand (COD) (Tons)</td>
<td>965,436</td>
<td>1,404,836</td>
<td>/</td>
</tr>
<tr>
<td>Ammonia Nitrogen (Tons)</td>
<td>53,872</td>
<td>57,208</td>
<td>/</td>
</tr>
<tr>
<td>Suspended Solids (SS) (Tons)</td>
<td>408,566</td>
<td>330,036</td>
<td>/</td>
</tr>
<tr>
<td>Note: 1. The data are sourced from statistics of LONGi Group; 2. “/” indicates no statistical summation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Waste Management

LONGi is dedicated to becoming an environment-friendly green company. In accordance with requirements of relevant laws and regulations, we properly store, dispose and recycle wastes to ensure that they meet the requirements for emissions, so as to lessen impact on the environment while reducing operation risks.

Waste Gas Emission Treatment

We control the whole process of generation, treatment and emission of exhaust gases. The acidic, alkaline and organic exhaust gases from the processes of linting, spreading, glass cleaning, coating, drying and sintering are treated by internal gas purification devices to ensure that the exhaust gas emission concentration meets the national and local emission requirements such as the Emission Standard of Pollutants for Battery Industry (GB30484-2013), etc. In 2021, the annual external testing of exhaust gases from all LONGi production bases reached the qualified level.

Solid Waste Management

In terms of waste management, we have formulated the Waste Material Management System, Chemical Management System, and Hazardous Waste Management System. We have also established hazardous waste warehouses to store the waste separately according to their categories and have entrusted a qualified third-party company for compliant disposal. For general solid waste that could be recycled, we have created the Waste Material Management System and Silicon Material Recycle Management System, and manage and count waste materials such as silicon mud, waste diamond wire, graphite, waste paper, cardboard, and waste plastics by their categories. We also study methods to maximize the value of materials, so as to increase the times of recycling waste materials. For example, LONGi Silicon (Chuxiong) has constructed facilities for lactic acid recycling and reduced the discharge of waste.

2019-2021 LONGi’s Total Emission of Solid Waste

<table>
<thead>
<tr>
<th>Pollutant Type</th>
<th>2021</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Waste (Tons)</td>
<td>32,586</td>
<td>29,001.76</td>
<td>1,067.17</td>
</tr>
<tr>
<td>Recyclable General Waste (Tons)</td>
<td>65,749</td>
<td>/</td>
<td>/</td>
</tr>
<tr>
<td>Non-recyclable General Waste and Domestic Garbage (Tons)</td>
<td>/</td>
<td>/</td>
<td>/</td>
</tr>
<tr>
<td>Recycling Rate (%)</td>
<td>28.7</td>
<td>/</td>
<td>/</td>
</tr>
</tbody>
</table>

Note 1: The data are sourced from statistics of LONGi Group; 2. "/" indicates no statistical summarization.

2019-2021 LONGi’s Total Emission of Waste Gas

<table>
<thead>
<tr>
<th>Pollutant Type</th>
<th>2021 (Tons)</th>
<th>2020 (Tons)</th>
<th>2019 (Tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Gas</td>
<td>34,900,599,648</td>
<td>7,617,819,728</td>
<td>/</td>
</tr>
<tr>
<td>Particulate Matter</td>
<td>251.90</td>
<td>77.66</td>
<td>22.34</td>
</tr>
<tr>
<td>Fluoride</td>
<td>54.88</td>
<td>5.28</td>
<td>2.92</td>
</tr>
<tr>
<td>Chlorine</td>
<td>19.58</td>
<td>3.90</td>
<td>0.17</td>
</tr>
<tr>
<td>Ammonia</td>
<td>66.70</td>
<td>13.48</td>
<td>2.81</td>
</tr>
</tbody>
</table>

Note 1: The data are sourced from statistics of LONGi Group; 2. "/" indicates no statistical summarization.
Building a Shared Society

Protecting Rights and Interests of Employees
Promoting Equality and Diversity
Promoting Supply Chain Labor Security
Supporting Social Undertakings

Key Successes in 2021

- Employee satisfaction score: 98.97%
- Per-capita training on employees’ occupational health and safety: 39.66 hours
- Benefits distributed: CNY 39.49 million
- Investment in occupational health and safety: CNY 101 million, 7.59% of total investment
- Percentage of foreign employees: 25%
- Proportion of female employees in executive management: 25%
- Donations for COVID-19 epidemic prevention and control: CNY 26 million

Awarded two honorable titles, i.e. China’s Best Employer 2021 and China’s Most Sustainable Employer 2021 – Forbes

Awarded the Humanitarian Badge of Red Cross of China by the Red Cross Society of China

Material Sustainability Issues Involved in this Chapter

- Equality and Diversity
- Talent Development
- Labor’s Human Rights
- Occupational Health and Safety
- Community Development
- Public Welfare
Protecting Rights and Interests of Employees

Rights and Interests of Employees

LONGi pursues an open, fair and equal employment policy and complies with international labor laws and national and local labor standards in regions where the company operates. During production or provision of services, we absolutely prohibit use of child labor or forced labor, respect employees' freedom of association and right to collective negotiation, and implement equal payroll for equal work without gender discrimination.

We provide equal welfare for all employees, including those in Kuching, Malaysia, Vietnam Production bases and overseas offices. During the reporting period, social insurance procured by the company for employees in the Chinese Mainland achieved a coverage rate of 96.64%; in overseas regions, social insurance was also procured in accordance with local policies; internal articles of association on anti-child labor and forced labor were 100% fulfilled, and throughout the year no labor discrimination, employment of child labor or forced labor ever occurred.

We attach great importance to participation of employees. In our day-to-day work, we also act to collect employees' opinions through member representatives, employee symposiums, one-to-one communication or otherwise, and when appropriately give timely response. At the congress, 24 proposals were raised and 22 proposals were closed, representing a 91.6% closing rate for the year. In our day-to-day work, we also act to collect employees' opinions through member representatives, employee symposiums, one-to-one communication or otherwise, and when appropriately give timely response.

In 2021, LONGi's congress of employees' right to know, right to participate and right to special welfare for employees when they or their spouses or lineal relatives by blood suffer any severe disease, accidental injury or natural disaster, that results in difficulties or inability to pay for their children's education.

We are active in constructing activity facilities and organizing staff club activities for balancing work and life of our staff members, as well as for improving their sense of identity and satisfaction.

In 2021, CNY 39.49 million benefits paid to employees 98.97% employee satisfaction score reached to.

LONGi Group-level Job Council

“LONGi Cup” Football Game

Health and safety

The company has a group-level environment, health and safety (EHS) management committee to centrally steer EHS work in the entire Group; Each Business Unit or production base has its secondary EHS committees to bear corresponding work. Additionally, we have formulated a Manual for Environment, Safety and Occupational Health Management, a Management System for Quality, Environmental, Occupational Health and Safety Accidents and a Work Safety System, while constantly improving the QEH&S management system manual and the EHS control procedure. By 2021, all operating bases of the Group had passed ISO45001 certification. By the end of the year, the Group had had 8 units certified for grade 2 work safety standardization certification. We plan to move forward and realize safety standardization of all units.

The company sets occupational health and safety management goals on an annual basis, and implements the target-oriented responsibility system. Organizations at all levels of the Group have established hazard source and environmental factor identification systems to rate risks and identify hazards, so that effective measures can be taken to eliminate the hazards and reduce the risks.

2019-2021 LONGi’s Performance of Securing Employees’ Benefits

<table>
<thead>
<tr>
<th></th>
<th>2021</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social insurance coverage rate for employees in the Chinese Mainland (%)</td>
<td>96.64</td>
<td>97.59</td>
<td>/</td>
</tr>
<tr>
<td>Coverage rate of collective negotiation agreement (%)</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Note: 1. The data are sourced from statistics of LONGi Group; 2. / indicates no statistical summarization.
We have established a three-level safety training mechanism in accordance with regulatory requirements, while offering varied education and training courses. Company-wide production safety month activities were carried out, and organizations at all levels held various activities, such as publicity and education, hazard identification, safety knowledge competition, emergency response drills, etc., to enhance the safety culture of the company.

- **874 times of emergency drills carried out throughout the year**
- **1,981,902 hours of occupational health and safety training for employees**
- **101.1 million CNY in occupational health and safety production

We create a comprehensive and systematic staff training system to help employees continuously improve their abilities and professional value. For development and reserve of talents of different types, the company has established three training program systems comprising six programs (including strategic organization ability development program, general management personnel development program (GMDP), primary and medium level management program (LMP), team leader development program, fresh graduates special training program and new employee/leader induction training program) for development of management competence, professional competence and new employee/leader competence. Besides, an independent mobile learning platform has been established, regulations and procedures have been optimized and improved, lecturer and course resources have been accumulated and a knowledge management system has been built. All these serve as important guarantees for effective and standard implementation of training.

### Talent Development

LONGi follows the guiding thought of "empowerment inspires vitality and enthusiasm" in management to develop teams of highly competent employees as continuous human resources streams to satisfy sustainable development of the company.

We have established two career development paths for employees, i.e., management-oriented and non-management-oriented paths. The management-oriented path has differentiated promotion conditions and rules for longitudinal development of employees and can satisfy the long-term development needs of different employees; the non-management-oriented path relates to internal employment competition, transfer and secondment for transverse development of employees and can help certain employees switch to management positions for further career development. In 2021, LONGi introduced a qualification management system for clarity in the paths for career development of employees. By establishing and defining job-related qualifications, the system has provided clear criteria for external recruitment, internal talent selection and evaluation. All of our employees are subject to regular performance and vocational development assessment on annual and quarterly basis.

### Talent development performance of LONGi in 2021

- **243,504 annual trainees**
- **23.65 hours annual training**

### Average training hours per employee

- **63,347 Hours Male employees**
- **147,730 Hours Female employees**
- **27,239 Hours Senior management**
- **45,262 Hours Staff**
- **138,576 Hours Middle management**

Note: The data are sourced from statistics of LONGi Group

We are well aware that talents are a driving force for long-term development of an enterprise and the core competitiveness of the enterprise to win in the future. For this reason, we have been carrying out various employer experience programs based on consideration of employees’ career cycles and improving systematic construction of the career platform, so as to provide an employer platform of the most growth value for our employees. Relying on the remarkable brand influence of the employer, we won China’s Best Employer 2021 and China’s Most Sustainable Employer 2021 by Forbes. At the 16th China Employer Brand Conference and 2021 Year-end Grand Ceremony, LONGi Group was also titled as “China’s Best Employer of 2021”.

### Timeline for 2021 Special Governance of Medium and High Risks by Module Manufacturing Center

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust explosion prevention and protection.</td>
<td>Apr. - Dec. 2021</td>
</tr>
<tr>
<td>Chemical management</td>
<td>Jul. - Sept. 2021</td>
</tr>
<tr>
<td>Fire control</td>
<td>May. - Sept. 2021</td>
</tr>
<tr>
<td>Fire Safety Risk Investigation</td>
<td>Nov. - Dec. 2021</td>
</tr>
</tbody>
</table>

### Limited space

- Optimized the limited space
- Implement compliance governance
- Category 4, Regulations on Explosion Prevention and Protection of Scribing Machine
  - completeness rate of 100% site coverage and 92% rectification rate

### Chemical management

- Complied the standardization of 15 items concerning chemical introduction and 100% rectification of potential damage hazards by chemical governance work.

### Fire safety

- Implemented 99 items of the safety risk investigation, completing 92.8% of governance work, (the unfulfilled part involving engineering renovation in progress)

### Major Training Programs

#### Empowerment of professional competence

- Strategic Organization Ability Development Program
- Graduates Training Program
- General Management Development Program (GMDP)
- Low and Middle level Management Program (LMP)
- Team Leader Training program
- New Employee/leader Orientation Program

#### Empowerment of management competence

- LONGi Primary and Middle Level Management Program (LMP)

LONGi LMP creates a learning and development team by simulating the head-teacher-student matrix management in combination with the independent trainee group management mode. The program provides multiple learning modes, including simulating, questioning, drilling, practicing and debating. Trainees are trained with the principles of cooperation and competition. By late December 2021, the company had held five company-wide sessions of the LMP, with 274 trainees attended and contributed a total of 574 management cases. Through the program, the company has made achievements in various aspects of talent development and contribution, and accumulation of case-based management experience. Besides, the company has also gained experience in program operation, course system standardization and lecturer incubation.

#### Talent development performance of LONGi in 2021

- **243,504 annual trainees**
- **23.65 hours annual training**
- **63,347 Hours Male employees**
- **147,730 Hours Female employees**
- **27,239 Hours Senior management**
- **45,262 Hours Staff**
- **138,576 Hours Middle management**

Note: The data are sourced from statistics of LONGi Group

#### Major Training Programs

- **Strategic Organization Ability Development Program**
- **Graduates Training Program**
- **General Management Development Program (GMDP)**
- **Low and Middle level Management Program (LMP)**
- **Team Leader Training program**
- **New Employee/leader Orientation Program**

#### Empowerment of professional competence

- **Strategic Organization Ability Development Program**
- **Graduates Training Program**
- **General Management Development Program (GMDP)**
- **Low and Middle level Management Program (LMP)**
- **Team Leader Training program**
- **New Employee/leader Orientation Program**

#### Empowerment of management competence

- **LONGi Primary and Middle Level Management Program (LMP)**

LONGi LMP creates a learning and development team by simulating the head-teacher-student matrix management in combination with the independent trainee group management mode. The program provides multiple learning modes, including simulating, questioning, drilling, practicing and debating. Trainees are trained with the principles of cooperation and competition. By late December 2021, the company had held five company-wide sessions of the LMP, with 274 trainees attended and contributed a total of 574 management cases. Through the program, the company has made achievements in various aspects of talent development and contribution, and accumulation of case-based management experience. Besides, the company has also gained experience in program operation, course system standardization and lecturer incubation.

#### Talent development performance of LONGi in 2021

- **243,504 annual trainees**
- **23.65 hours annual training**
- **63,347 Hours Male employees**
- **147,730 Hours Female employees**
- **27,239 Hours Senior management**
- **45,262 Hours Staff**
- **138,576 Hours Middle management**

Note: The data are sourced from statistics of LONGi Group

We are well aware that talents are a driving force for long-term development of an enterprise and the core competitiveness of the enterprise to win in the future. For this reason, we have been carrying out various employer experience programs based on consideration of employees’ career cycles and improving systematic construction of the career platform, so as to provide an employer platform of the most growth value for our employees. Relying on the remarkable brand influence of the employer, we won China’s Best Employer 2021 and China’s Most Sustainable Employer 2021 by Forbes. At the 16th China Employer Brand Conference and 2021 Year-end Grand Ceremony, LONGi Group was also titled as “China’s Best Employer of 2021”.

### Major Training Programs

- **Strategic Organization Ability Development Program**
- **Graduates Training Program**
- **General Management Development Program (GMDP)**
- **Low and Middle level Management Program (LMP)**
- **Team Leader Training program**
- **New Employee/leader Orientation Program**

#### Empowerment of professional competence

- **Strategic Organization Ability Development Program**
- **Graduates Training Program**
- **General Management Development Program (GMDP)**
- **Low and Middle level Management Program (LMP)**
- **Team Leader Training program**
- **New Employee/leader Orientation Program**

#### Empowerment of management competence

- **LONGi Primary and Middle Level Management Program (LMP)**

LONGi LMP creates a learning and development team by simulating the head-teacher-student matrix management in combination with the independent trainee group management mode. The program provides multiple learning modes, including simulating, questioning, drilling, practicing and debating. Trainees are trained with the principles of cooperation and competition. By late December 2021, the company had held five company-wide sessions of the LMP, with 274 trainees attended and contributed a total of 574 management cases. Through the program, the company has made achievements in various aspects of talent development and contribution, and accumulation of case-based management experience. Besides, the company has also gained experience in program operation, course system standardization and lecturer incubation.

### Timeline for 2021 Special Governance of Medium and High Risks by Module Manufacturing Center

- Dust explosion prevention and protection.
  - Apr. - Dec. 2021
- Chemical management
  - Jul. - Sept. 2021
- Fire control
  - May. - Sept. 2021
- Fire Safety Risk Investigation
  - Nov. - Dec. 2021
Promoting Equality and Diversity

In LONGi, we are committed to creating a diverse and equal working environment. At all of our domestic and overseas operations, we support local employment, create more local employment opportunities, offer competitive compensation packages to employees with reference to local salary levels, and respect employees’ freedom of belief without any discrimination based on ethnicity, race, nationality, religious beliefs, gender, age, disability, marital status, etc. As of the end of December 2021, LONGi has a total of 49,967 formal employees, with foreign employees accounting for 7.59%, covering countries such as Vietnam, Egypt, and the regions of The Americas, Europe, Asia-Pacific and Middle-East.

We respect and care for female employees, and create more job opportunities for them. At LONGi, we employed one female PV engineer for every 10, and our female officers proportion is over 25%. The company has a female employee committee. Units of the company act actively to organize activities for female employees on each International Women’s Day to show care to female employees, and grant childcare leave to safeguard legitimate rights and interests of the employees. During the reporting period, a total of 753 female employees took childcare leave, and the post-leave return rate reached 63%. We have also constructed the 10m² of Love campaign certified by the UN Children’s Fund, and designated special seats for pregnant female employees in our dining rooms, providing more convenience for female employees during their special periods.

In LONGi, we employed one female PV engineer for every 10, and our female officers proportion is over 25%. The company has a female employee committee. Units of the company act actively to organize activities for female employees on each International Women’s Day to show care to female employees, and grant childcare leave to safeguard legitimate rights and interests of the employees. During the reporting period, a total of 753 female employees took childcare leave, and the post-leave return rate reached 63%. We have also constructed the 10m² of Love campaign certified by the UN Children’s Fund, and designated special seats for pregnant female employees in our dining rooms, providing more convenience for female employees during their special periods.

We respect and care for female employees, and create more job opportunities for them. At LONGi, we employed one female PV engineer for every 10, and our female officers proportion is over 25%. The company has a female employee committee. Units of the company act actively to organize activities for female employees on each International Women’s Day to show care to female employees, and grant childcare leave to safeguard legitimate rights and interests of the employees. During the reporting period, a total of 753 female employees took childcare leave, and the post-leave return rate reached 63%. We have also constructed the 10m² of Love campaign certified by the UN Children’s Fund, and designated special seats for pregnant female employees in our dining rooms, providing more convenience for female employees during their special periods.

We respect and care for female employees, and create more job opportunities for them. At LONGi, we employed one female PV engineer for every 10, and our female officers proportion is over 25%. The company has a female employee committee. Units of the company act actively to organize activities for female employees on each International Women’s Day to show care to female employees, and grant childcare leave to safeguard legitimate rights and interests of the employees. During the reporting period, a total of 753 female employees took childcare leave, and the post-leave return rate reached 63%. We have also constructed the 10m² of Love campaign certified by the UN Children’s Fund, and designated special seats for pregnant female employees in our dining rooms, providing more convenience for female employees during their special periods.

During the 15 years in LONGi, Ge Suirong has always been conscientious and hardworking. She tested 1.782 billion monocrystalline silicon wafers in total and held the last pass before the products leave the factory. She took 15 years to demonstrate the great power of every single detail.

Employment Data of LONGi in 2021

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of employees</td>
<td>49,967</td>
</tr>
<tr>
<td>Female employees</td>
<td>13,862</td>
</tr>
<tr>
<td>Male employees</td>
<td>36,105</td>
</tr>
<tr>
<td>Below 30 years old</td>
<td>25,638</td>
</tr>
<tr>
<td>Above 50 years old</td>
<td>24,064</td>
</tr>
<tr>
<td>With bachelor’s degree and junior college education</td>
<td>16,642</td>
</tr>
<tr>
<td>Below junior college education</td>
<td>9,827</td>
</tr>
<tr>
<td>By region</td>
<td></td>
</tr>
<tr>
<td>From Overseas, Hong Kong, Macau and Taiwan regions</td>
<td>9,827</td>
</tr>
<tr>
<td>From the Chinese mainland</td>
<td>40,140</td>
</tr>
<tr>
<td>By academic degree</td>
<td></td>
</tr>
<tr>
<td>With Master’s degree or above</td>
<td>1,101</td>
</tr>
<tr>
<td>By gender</td>
<td></td>
</tr>
<tr>
<td>Female employees</td>
<td>344</td>
</tr>
<tr>
<td>Male employees</td>
<td>265</td>
</tr>
<tr>
<td>By age</td>
<td></td>
</tr>
<tr>
<td>Below 30 years old</td>
<td>25%</td>
</tr>
<tr>
<td>Above 50 years old</td>
<td>5.58%</td>
</tr>
<tr>
<td>By academic degree</td>
<td></td>
</tr>
<tr>
<td>With bachelor’s degree and junior college education</td>
<td>16,642</td>
</tr>
<tr>
<td>Below junior college education</td>
<td>9,827</td>
</tr>
</tbody>
</table>

Note: The data are sourced from statistics of LONGi Group.

Promoting Supply Chain Labor Security

We are active in promoting protection of workers’ human rights in the supply chain by requiring suppliers to comply with international labor standard and LONGi’s Code of Conduct for Suppliers, respect basic human rights, and protect the health and safety of their internal/external employees.

In 2021, 100% regulations against child labor and forced labor fully covered contractors and suppliers.

Additionally, we also require suppliers to strictly supervise labor issues that may be present in their supply chains, to protect unbiased rights of workers by specifying management regulations and complaint procedures, and to mitigate or when necessary remedy any negative impact.

In the future, we plan to strengthen our focus on high-risk suppliers, consider commissioning third-party labor human rights due diligence, and share the findings with the industry. We will also conduct training for suppliers to enhance their understanding of international labor standards and to help them identify and manage illegal labor risks in their own operations and supply chains.

 Requirement for Suppliers to Protect Worker’s Rights, Interest, Health and Safety

- Zero-child labor and forced labor
- Equal employment against discrimination
- Support freedom of association
- Prevent and control occurrence of accidents and occupational diseases
- Provide education and training on health and safety
- Observe local labor protection laws
- Zero-labor issues

Supporting Social Undertakings

While developing as a company, LONGi has never forgotten its social responsibility and is enthusiastic about social welfare, insisting on helping reduce poverty with technology, supporting quality education, promoting climate action, contributing to the development of communities where the company produces and operates, and creating greater social value.

LONGi One Percent Foundation

In 2010, the founder of LONGi, along with benevolent figures, initiated a non-public foundation under the Red Cross Society of China. With the concept of “one percent of the donation, one hundred percent of change,” the foundation has made many donations, including supporting the reconstruction of Yushu City of Qinghai after the earthquake, curing children with congenital heart disease in Tibet, providing financial aids to students from poverty-stricken families, and fighting against COVID-19.
Rural Revitalization

LONGi has taken the initiative to apply better products and services to poverty-alleviating PV projects across the country, and has embarked on a road of LONGi high-efficiency PV poverty alleviation with the standard of a “leader”.

According to incomplete statistics, as of the end of December 2021, OVER 1GW in total of high-efficiency PV products supplied by LONGi in PV poverty alleviation projects

Nearly 350,000 households of benefit registered card holders across the country

After successful elimination of poverty, LONGi has positively geared its PV operations to rural revitalization, and take an active part in “cross-the-country advancement” to promote green and sustainable development of rural areas throughout the country.

Supporting Education

Following the idea of education promotes technological progress and makes human life better, we have continued our support to education since the founding of the company. In June 2021, LONGi Clean Energy donated RMB 5 million to Shaanxi Huanglong Middle School for reconstruction and expansion of the school, so as to facilitate high-quality development of education and teaching in the area after shaving off poverty. Under the guidance of the All-China Federation of Industry and Commerce, we joined hands with All-China New Energy Chamber of Commerce to organize the delivery of 32.4KW PV power station and public welfare activities of PV science for Kecai Primary School in Xian County, Gannan Prefecture to consolidate the development results of poverty alleviation in the Three Regions and three Autonomous Prefectures (i.e. Tibet, Tibet, Juan, Shiquiang, Shiquiang) to benefit card holders. LONGi Silicon (Lijiang) and LONGi Silicon (Chuxiong) have also made donations for education in response to the call of the local governments. LONGi Silicon (Chuzhou) has taken part in the “ enterprises prosperous villages” action for rural revitalization and poverty alleviation by developing industries. LONGi Silicon (Ningxia) and LONGi Silicon (Chuxiong) have continued their support to local communities by erecting solar street lamps to improve the community infrastructure.

Furthermore, LONGi has also joined hands with its partners in Malawi, Vietnam and other countries to support local communities in the construction of PV projects.

Community Development

We are actively cooperating with developing countries and regional markets, focusing on providing lower per-kWh cost solutions for PV markets in different regions, contributing to the rapid development of clean energy in the regions, and making PV power available to a wider population.

By December 2021, more than 30 projects we have provided support for PV module and PV power station projects in poverty-stricken communities around the globe.

We plan to work with more non-government organizations and professional organizations in bringing affordable clean energy to more people in poverty-stricken districts across the world and in furthering development of clean energy to change the world.

From the COVID-19 outbreak in early 2020 to the end of 2021

LONGi donated goods with total value of CNY 26 million

In the context of global warming, extreme weather disasters frequently occur in different regions. In July 2021, extremely heavy rainfall and flooding hit Zhengzhou and other places in Henan Province.

LONGi donated CNY 15 million to support disaster relief and post-disaster recovery and reconstruction in the severely affected areas in Henan.

Case

The Se-rich Industrial Park is a key “Flagship economic industry” developed in Baijia Village, Qinghai. With coordination of the Village Committee, the Se-rich Industrial Park in Baijia Village has installed 304 pieces of LONGi PI-MO 4 (18-cell) modules, with the total capacity of 109.44KW. The annual cumulative generating capacity of the products is expected to exceed 175,000 kWh, and the annual direct economic return is expected to reach up to RMB82,000. In the span of 20 years, the total economic return will exceed RMB 1.24 million.

Case

LONGi, together with its partner PowerTech donated 20.20kWp highly efficient and reliable PV modules to Vo Thi Sau Secondary School in Con Dao, Ba Ria Vung Tau Province, Vietnam for the building of distributed PV power station construction on roofs of the school.
Establishing a Sustainable Enterprise

06

Steady Development
Effective Governance
Compliance Operation
Business Ethics
Cooperation and Exchange

Material Sustainability Issues Involved in This Chapter

• Sustainable Profitability
• Business Compliance
• Commercial Ethics
• Cooperation and Exchange

SDGs responded to in this chapter

Key Successes in 2021

CNY 80.932 billion operating revenue
CNY 97.735 billion total assets
CNY 9.086 billion net profit attributable to the parent company
CNY 967 million dividends paid to shareholders
51.31% liability-asset ratio
91 integrity training and publicity activities

Selected as “IR Work Model of Listed Companies” according to 2020 Annual Report on Investor Relations of Listed Companies

Won awards for the Best Board of Directors for Investor Relations of China’s Listed Companies and the Best Investor Relations of China’s Listed Companies granted by the Securities Times

Introduction
Steady Development

Steady and sustainable development is the foundation for the enterprise to make contributions to sustainable development of human beings. Focusing on the long-term interests of the enterprise, LONGi continued to maintain an industry-leading level of financial health in 2021 by adhering to the concept of “science and technology-led, stable and reliable development”.

In 2021, LONGi’s operating income reached 80.932 billion yuan, total assets reached 97.735 billion yuan, and net profit reached 9.086 billion yuan, fully demonstrating our profitability; the liability-asset ratio remained at 51.31%, continuously remaining below 60%; the cumulative cash dividends exceeded 967 million yuan, providing substantial returns for investors at large.

Effective Governance

LONGi continuously optimizes its corporate governance system and enhances its corporate governance level. By establishing a scientific and efficient decision-making mechanism, an effective monitoring mechanism with checks and balances, and a long-term stable incentive mechanism, we promote the healthy, stable and sustainable development of the company and continuously strive to create better corporate governance practices.

Liability to Asset Ratio of LONGi in 2012-2021

We value independence and diversity of the Board of Directors.

- Members of LONGi’s Board of Directors: 9
- Executive Directors: 5
- Independent Non-Executive Directors: 3
- Non-Executive Directors: 1
- Female Directors: 3
- Proportion of Female Directors: 1/3

The number of members and composition of the Board of Directors conforms to 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 of Listed Companies, the Rules Governing the Listing of Stocks on the Shanghai Stock Exchange, and other laws, regulations and regulatory requirements.

LONGi’s Governance Structure

The controlling shareholder of the company has been strictly regulating shareholders’ behaviors, exercising shareholder’s rights in good faith, honestly fulfilling commitments and supporting operation and development of the company by providing securities for operations of listed companies and other means. Independent of the company in terms of operation, staff, assets, organization and finance, among others, the controlling shareholder has not acted in any way to interfere in decision-making and operations of the company by going beyond the Annual General Meeting of Shareholders.

The company is an active listener to suggestions on its corporate governance and sustainable development, and works collaboratively with investors in building a sound corporate governance ecosystem. During the reporting period, convening, holding and voting procedures of the General Meeting of Shareholders were conforming to the Company Law of the People’s Republic of China, Articles of Association, and Procedures of the Annual General Meeting and other relevant requirements; measures were effectively implemented to secure equal status and legitimate rights of all shareholders, particularly minor shareholders.

The Company continues to strengthen the supervision and decision-making role of the external directors; and fully listen to constructive suggestions from external directors on industrial development and risk prevention/control, having effectively improved scientific decision-making by the Board of Directors. Under the Board of Directors, there are a Strategy Committee, a Remuneration and Assessment Committee, a Nominations Committee and an Audit Committee. Each of the committees carefully performs its duties in accordance with relevant proceedings and plays an active part in supporting decision making.

The Board of Supervisors performs supervisory duties, and supervises conformity of the company’s operation, development, related transactions, management and use of raised funds, equity incentive unlocking, among other matters to ensure healthy, steady and sustainable development of the company.

Statistical Financial Data of LONGi in 2012-2021

We value independence and diversity of the Board of Directors.

- Members of LONGi’s Board of Directors: 9
- Executive Directors: 5
- Independent Non-Executive Directors: 3
- Non-Executive Directors: 1
- Female Directors: 3
- Proportion of Female Directors: 1/3

The number of members and composition of the Board of Directors conforms to 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 of Listed Companies, the Rules Governing the Listing of Stocks on the Shanghai Stock Exchange, and other laws, regulations and regulatory requirements.

LONGi’s Governance Structure

The controlling shareholder of the company has been strictly regulating shareholders’ behaviors, exercising shareholder’s rights in good faith, honestly fulfilling commitments and supporting operation and development of the company by providing securities for operations of listed companies and other means. Independent of the company in terms of operation, staff, assets, organization and finance, among others, the controlling shareholder has not acted in any way to interfere in decision-making and operations of the company by going beyond the Annual General Meeting of Shareholders.

The company is an active listener to suggestions on its corporate governance and sustainable development, and works collaboratively with investors in building a sound corporate governance ecosystem. During the reporting period, convening, holding and voting procedures of the General Meeting of Shareholders were conforming to the Company Law of the People’s Republic of China, Articles of Association, and Procedures of the Annual General Meeting and other relevant requirements; measures were effectively implemented to secure equal status and legitimate rights of all shareholders, particularly minor shareholders.

The Company continues to strengthen the supervision and decision-making role of the external directors; and fully listen to constructive suggestions from external directors on industrial development and risk prevention/control, having effectively improved scientific decision-making by the Board of Directors. Under the Board of Directors, there are a Strategy Committee, a Remuneration and Assessment Committee, a Nominations Committee and an Audit Committee. Each of the committees carefully performs its duties in accordance with relevant proceedings and plays an active part in supporting decision making.

The Board of Supervisors performs supervisory duties, and supervises conformity of the company’s operation, development, related transactions, management and use of raised funds, equity incentive unlocking, among other matters to ensure healthy, steady and sustainable development of the company.
**Investor Relations**

Since the listing of the Company, we have adhered to the principles of truthful, accurate, complete, timely and effective information disclosure, proactively communicated the Company’s business philosophy, operating results and future strategic direction to investors through multiple channels, including the company’s investor communication platform, the annual general meeting of shareholders and performance presentation conference, actively rewarded investors through stable and sustainable dividends and earnings growth, enhanced investor recognition of the Company’s value, and created an ecology of sincere and trustworthy investor communication.

In 2021, the company was included as an “IR Work Model of Listed Companies” in the Annual Report on Investor Relations of Listed Companies (2020) prepared by Quanjing Net. In September 2021, the company attended, as a representative “best practice model” of 2020 Annual Performance Presentation Conference, the “Work Sum-Up Exchange of 2020 Annual Performance Presentation Conference of Chinese Listed Companies”.

- **Compliance Operation**

Compliance is a prerequisite for long-term sustainable development of an enterprise, and the cornerstone for the high quality development of the company. By strengthening compliance management, improving compliance management and actively fulfilling social responsibilities, LONGi provides high-quality products and services to global customers in a sustainable manner, and also provides strong support for LONGi’s stable development.

In response to increasingly complex external legal and regulatory environments for global operations of the company, LONGi established a Compliance Department under the Legal Affairs Center in 2021 to implement and intensify overall compliance risk control. The Compliance Department is responsible for establishing a legal compliance risk prevention and control system to support global operations of the company, effectively identifying and precisely controlling major compliance risks, and performing work under the legal compliance management system, so as to safeguard the healthy, steady and sustainable development of LONGi. Establishment of the Compliance Department symbolizes that compliance risk control of the company has come to a new stage at which the of work is switched from local to global to realize full coverage and further advancement.

**Improvement of Compliance Management System**

LONGi complies with all applicable laws and regulations, and abides by good faith, business ethics and LONGi’s Code of Conduct. We have an effective complaint and reporting mechanism in place to prevent corruption, bribery and insider trading and to avoid conflict between the business interests and personal interests. We respect basic human rights of all employees. In addition, we also take responsibility to protect employee health, safety and environment, as well as confidential information and intellectual properties, and act to ensure conformity of finance, data security, international trade and competition to laws and regulations.

LONGi has established and improved the three lines of defense for compliance risk control of the company at the organization level. Specifically, business divisions take care of day-to-day compliance control in respective daily operations; the Compliance Department leads routine work in compliance management; the Audit and Supervision Center is responsible for audit and supervision. Based on compliance and external laws, regulations and specifications, LONGi Group has successively improved its internal compliance management system. In 2021, we issued or improved 16 compliance specifications and internal control manuals, including Compliance Risk Control Management Regulation, Measures for Anti-monopoly Compliance Management, Measures for Compliance Risk Management of Overseas Operations, Internal Control Manual for Supply Chain Management and Internal Control Manual for Global Marketing Center, among others.

Effective evaluation of internal control, timely rectification and optimization, promotion of risk control ability and operation management capacity have reasonably guaranteed the company’s efficient and effective operations, reliable financial reporting, conformity to relevant laws and regulations, facilitated perfection of the company’s modern enterprise system and secured fulfillment of the company’s operational and strategy targets.

In accordance with applicable laws and regulations, we have combined identification of business scenarios with risk evaluation with focus on key fields, key procedures and key employees, established comprehensive compliance management procedures to realize compliance management of each operation procedure, and continued our effort in optimization of the compliance management system.

**Promotion of Compliance Culture**

We value promotion of compliance culture and implement compliance requirements. At the management level, we have improved the compliance system through “face-to-face” communication with the management, intensified compliance system construction and risk control, and ensured understanding and awareness of the compliance concept.

At the employee level, we continue to raise the compliance awareness of all employees, increase compliance publicity for employees, and organize compliance training on mono-pol., bribery and contracting.

In 2021, LONGi completed the first session of “compliance officer” training and qualification assessment, and carried out compliance training in forms of on-site training, online learning and examination to make the employees fully understand compliance obligations of the company and of each individual in the company, so as to realize integration of compliance awareness into behavioral habits of each employee.
LONGi strictly abides by the business ethics of honesty, integrity and self-discipline, and adheres to the LONGi Code of Conduct. The company complies with applicable laws related to its business, establishes effective grievance procedures to ensure fairness and impartiality, adheres to the principles of honesty and integrity, prohibits corruption and bribery, and respects the basic human rights of its employees.

Anti-corruption

LONGi has established an Audit and Supervision Center as an anti-bribery functional department responsible for establishing, evaluating and improving the anti-bribery management system. In 2018, as the first certified enterprise in the global PV industry, LONGi obtained the ISO37001 Anti-bribery management system certificate, and carried out ISO 37001 Anti-bribery management system audit every year to regularly evaluate the bribe risk and formulate corresponding control measures. We conduct domestic and overseas audits every year to review the compliance of business development. At the same time, we also formulated the Anti-Corruption Policy Measures, Management Position-Specific Fraud Risk Management Rules and other institutional documents. We require our employees to strictly follow provisions on honest practice in the Employee Handbook and the Integrity Practice Guidelines for Managerial Staff, and to sign and practice the Commitment to Integrity and Self-Discipline. During the reporting period, there was no litigation case related to commercial bribery, and the anti-bribery work continued to be carried out effectively to achieve the purpose of prior risk prevention and control.

The Audit and Supervision Center is the third line of defense in risk management of the company. It functions to inspect internal violations and to create an atmosphere of honesty and legal compliance inside and outside of the company. In 2021, the company organized 91 sessions of honest practice-related training and conducted honesty and compliance atmosphere index investigation, which covered all the employees and created “Sunshine LONGi” cultural orientation. In 2017, the company joined China Enterprise Anti-fraud Alliance and participated in publicity activities of the International Anti-corruption Day. In 2018, the company joined the Trust and Integrity Enterprise Alliance to further improve its anti-bribery management. In 2021, the company applied for participation in drafting the new energy group standard of All-China Federation of Industry and Commerce.

We require suppliers to comply with relevant domestic and foreign laws and regulations, as well as the honestly cooperating in the requirements of LONGi, and not to tolerate nor practice any form of corruption or bribery; we also have anti-fraud measures applicable to suppliers, including association check, inclusion of honesty provision in contracts and imposition of punishment on suppliers violating such provisions. We also have Detailed Rules for Supplier Integrity Management. According to the company’s anti-bribery work plan, we paid follow-up visits to 145 auxiliary material suppliers to further publicize the anti-bribery requirement for suppliers.

▶ Statistics on Communication and Training by LONGi on Anti-corruption Policies and Procedures in 2021

<table>
<thead>
<tr>
<th>Total training sessions</th>
<th>Governance layer</th>
<th>Employees</th>
<th>Business partners</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100%</td>
<td>91</td>
<td>145</td>
</tr>
<tr>
<td>Coverage rate (%)</td>
<td>Governance layer</td>
<td>100%</td>
<td>Employees</td>
</tr>
</tbody>
</table>

Complaint Reporting

The company has multiple channels for complaint reporting, including WeChat mini program, WeChat Public Account, complaint hotline and email, encourages employees and partners to report any bribery relating to the company, and commits to keeping informers and whistleblowers in confidence with measures taken to protect the informers. During integrity training, the company continues to promote the reporting channels to increase their influence. Furthermore, it acts in a timely manner to handle reported complaints and to pursue liability for violations in accordance with the Complaint and Reporting Management System, Accountability Management System, and Awards and Punishments Management Measures.
## Events in 2021

**March**
- LONGi announced that the cell conversion efficiency of n-type TOPCon created a new world record of 29.09%, according to ISFH testing. It was also the first time that commercial silicon wafer size-based TOPCon had cell conversion efficiency over 29%.
- LONGi signed a strategic cooperation agreement with Sinoppec in Beijing for in-depth cooperation in such fields as distributed PV power generation, PV + green hydrogen and chemical materials.

**April**
- Released a white paper on crack-free intelligent welding technique.
- LONGi Green and Intelligent Energy Exhibition Hall formally opened, serving as an exchange center for the PV industry and a base open to the social public and higher education institutions for PV science popularization.
- According to the 2021 China's Brand Value Evaluation Results released, the brand value of LONGi rose to RMB 40.216 billion, ranking in seventh place among national energy and chemical manufacturing enterprise brands.

**May**
- Released the first TOPCon double-sided module - H-MO N in 2021SNEC.
- Created three world records relating to the efficiency of n-type TOPCon cells, P-type TOPCon cells and HJT cells according to ISFH testing.

**June**
- LONGi Group donated RMB 15 million to support flood control and disaster relief in Henan.

**July**
- LONGi Group became "The Exclusive Supplier of Green Energy Solutions for the 14th National Games".

**August**
- LONGi Group was nominated for the Fourth China Quality Award due to its "LONGi Brand Quality House" quality management mode, and became the first company to win the honor in the PV industry.
- LONGi Group was elected as a member of the China Enterprise Confederation for the first time and ranked in 365th place among the "Top 500 Chinese Enterprises" according to the China Enterprise Directors Association.
- According to the 2021 China's Brand Value Evaluation Results released, the brand value of LONGi rose to RMB 40.216 billion, ranking in seventh place among national energy and chemical manufacturing enterprise brands.

**September**
- LONGi was awarded as a member of the China Enterprise Confederation for the first time and ranked in 365th place among the "Top 500 Chinese Enterprises" according to the China Enterprise Directors Association.
- LONGi Green and Intelligent Energy Exhibition Hall formally opened, serving as an exchange center for the PV industry and a base open to the social public and higher education institutions for PV science popularization.

**October**
- LONGi first alkaline water electrolyzer come off the production line, signifying a firm step of LONGi forward to realize its "global leading hydrogen equipment and technology company" vision.
- It was announced at the LONGi Group’s COP15 Biodiversity event with the theme of "Embracing the Nature and Pursuing Zero Carbon" to make the LONGi Silicon (Baoshan) production base the first "zero-carbon plant" of LONGi Group by 2023.
- LONGi announced that the cell conversion efficiency of n-type TOPCon created a new world record of 29.09%, according to ISFH testing. It was also the first time that commercial silicon wafer size-based TOPCon had cell conversion efficiency over 29%.

**November**
- LONGi released its first white paper on climate action in the Chinese Enterprise Hall at the 2021 United Nations Climate Change Conference (COP26).

**December**
- LONGi Group was titled as "China’s Best Employer of 2021".
- LONGi Group was nominated for the Fourth China Quality Award due to its "LONGi Brand Quality House" quality management mode, and became the first company to win the honor in the PV industry.
- LONGi Group was elected as a member of the China Enterprise Confederation for the first time and ranked in 365th place among the "Top 500 Chinese Enterprises" according to the China Enterprise Directors Association.
- According to the 2021 China's Brand Value Evaluation Results released, the brand value of LONGi rose to RMB 40.216 billion, ranking in seventh place among national energy and chemical manufacturing enterprise brands.

## GRI & SASE Content Indexes

<table>
<thead>
<tr>
<th>GRI Index</th>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-1</td>
<td>P7</td>
<td>Name of the organization</td>
</tr>
<tr>
<td>102-2</td>
<td>P7</td>
<td>Activities, brands, products and services</td>
</tr>
<tr>
<td>102-3</td>
<td>P7</td>
<td>Location of headquarters</td>
</tr>
<tr>
<td>102-4</td>
<td>P7-8</td>
<td>Location of operations</td>
</tr>
<tr>
<td>102-5</td>
<td>P7</td>
<td>Ownership and legal form</td>
</tr>
<tr>
<td>102-6</td>
<td>P7-8</td>
<td>Markets (including regional market segments, affiliated industry, types of customers/beneficiaries)</td>
</tr>
<tr>
<td>102-7</td>
<td>P7, P69</td>
<td>Scale of the organization scale</td>
</tr>
<tr>
<td>102-8</td>
<td>P69</td>
<td>Information on employees and other workers</td>
</tr>
<tr>
<td>102-9</td>
<td>P52-53</td>
<td>Supply chain</td>
</tr>
<tr>
<td>102-10</td>
<td>P52-53</td>
<td>Significant changes to the organization and its supply chain</td>
</tr>
<tr>
<td>102-11</td>
<td>P27, P57</td>
<td>Precautionary Principle or approach</td>
</tr>
<tr>
<td>102-12</td>
<td>P18</td>
<td>External initiatives</td>
</tr>
<tr>
<td>102-13</td>
<td>P18</td>
<td>Membership of associations</td>
</tr>
<tr>
<td>102-14</td>
<td>P5-6</td>
<td>Statement from senior decision-maker</td>
</tr>
<tr>
<td>102-15</td>
<td>P27-28</td>
<td>Key impacts, risks and opportunities</td>
</tr>
<tr>
<td>102-16</td>
<td>P9</td>
<td>Values, principles, standards and norms of behavior</td>
</tr>
<tr>
<td>102-17</td>
<td>P79</td>
<td>Mechanisms for advice and concerns about ethics</td>
</tr>
<tr>
<td>102-18</td>
<td>P19</td>
<td>Governance structure</td>
</tr>
<tr>
<td>102-19</td>
<td>P19</td>
<td>Delegating authority</td>
</tr>
<tr>
<td>102-20</td>
<td>P19</td>
<td>Executive-level responsibility for economic, environmental, and social topics</td>
</tr>
<tr>
<td>102-21</td>
<td>P22</td>
<td>Consulting stakeholders on economic, environmental and social topics</td>
</tr>
<tr>
<td>102-22</td>
<td>P76</td>
<td>Composition of the highest governance body and its committees</td>
</tr>
<tr>
<td>102-26</td>
<td>P19</td>
<td>Role of the highest governance body in setting purpose, values, and strategy</td>
</tr>
<tr>
<td>102-29</td>
<td>P21</td>
<td>Identifying and managing economic, environmental, and social topics</td>
</tr>
<tr>
<td>102-30</td>
<td>P19</td>
<td>Effectiveness of risk management processes</td>
</tr>
<tr>
<td>102-31</td>
<td>P21</td>
<td>Review of economic, environmental, and social topics</td>
</tr>
<tr>
<td>102-33</td>
<td>P19</td>
<td>Communicating critical concerns</td>
</tr>
<tr>
<td>102-34</td>
<td>P21</td>
<td>Nature and total number of critical concerns</td>
</tr>
<tr>
<td>102-40</td>
<td>P22</td>
<td>List of stakeholder groups</td>
</tr>
<tr>
<td>102-41</td>
<td>P65</td>
<td>Collective bargaining agreements</td>
</tr>
<tr>
<td>Indicator</td>
<td>Page</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>102-42</td>
<td>Identifying and selecting stakeholders</td>
<td>P22</td>
</tr>
<tr>
<td>102-43</td>
<td>Approach to stakeholder engagement</td>
<td>P21-22</td>
</tr>
<tr>
<td>102-44</td>
<td>Key topics and concerns raised</td>
<td>P21-22</td>
</tr>
<tr>
<td>102-45</td>
<td>Entities included in consolidated financial statements</td>
<td>P4</td>
</tr>
<tr>
<td>102-46</td>
<td>Defining report content and topic Boundaries</td>
<td>P4</td>
</tr>
<tr>
<td>102-47</td>
<td>List of material topics</td>
<td>P21</td>
</tr>
<tr>
<td>102-48</td>
<td>Restatements of information</td>
<td>None</td>
</tr>
<tr>
<td>102-49</td>
<td>Changes in reporting</td>
<td>None</td>
</tr>
<tr>
<td>102-50</td>
<td>Reporting period</td>
<td>P4</td>
</tr>
<tr>
<td>102-51</td>
<td>Date of the most recent report</td>
<td>P4</td>
</tr>
<tr>
<td>102-52</td>
<td>Reporting cycle</td>
<td>P4</td>
</tr>
<tr>
<td>102-53</td>
<td>Contact point for questions regarding the report</td>
<td>P4</td>
</tr>
<tr>
<td>102-54</td>
<td>Claims of reporting in accordance with the GRI standards</td>
<td>P4</td>
</tr>
<tr>
<td>102-55</td>
<td>GRI content index</td>
<td>P82-83</td>
</tr>
<tr>
<td>102-56</td>
<td>External assurance</td>
<td>P87-89</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 201 Economic Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 202 Market Presence</th>
</tr>
</thead>
<tbody>
<tr>
<td>202-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 203 Indirect Economic Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-1</td>
</tr>
<tr>
<td>203-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 205 Anti-corruption</th>
</tr>
</thead>
<tbody>
<tr>
<td>205-2</td>
</tr>
<tr>
<td>205-3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 303 Water and Effluents (2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td>301-1</td>
</tr>
<tr>
<td>303-2</td>
</tr>
<tr>
<td>303-3</td>
</tr>
<tr>
<td>303-4</td>
</tr>
<tr>
<td>303-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 305 Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>305-1</td>
</tr>
<tr>
<td>305-2</td>
</tr>
<tr>
<td>305-3</td>
</tr>
<tr>
<td>305-5</td>
</tr>
<tr>
<td>305-7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 306 Effluents and Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>306-1</td>
</tr>
<tr>
<td>306-2</td>
</tr>
<tr>
<td>306-3</td>
</tr>
<tr>
<td>306-4</td>
</tr>
<tr>
<td>306-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 307 Environmental Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>307-1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 308 Supplier Environmental Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>308-1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 401 Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td>401-2</td>
</tr>
<tr>
<td>401-3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRI 403 Occupational Health and Safety (2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td>403-1</td>
</tr>
<tr>
<td>403-2</td>
</tr>
<tr>
<td>403-3</td>
</tr>
<tr>
<td>403-5</td>
</tr>
<tr>
<td>403-6</td>
</tr>
<tr>
<td>403-8</td>
</tr>
<tr>
<td>403-9</td>
</tr>
<tr>
<td>Indicator</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>GRI 404 Training and Education</td>
</tr>
<tr>
<td>GRI 405 Diversity and Equal Opportunity</td>
</tr>
<tr>
<td>GRI 407 Freedom of Association and Collective Bargaining</td>
</tr>
<tr>
<td>GRI 408 Child Labor</td>
</tr>
<tr>
<td>GRI 409 Forced or Compulsory Labor</td>
</tr>
<tr>
<td>GRI 410 Supplier Social Assessment</td>
</tr>
<tr>
<td>GRI 411 Marketing and Labeling</td>
</tr>
<tr>
<td>GRI 412 Socioeconomic Compliance</td>
</tr>
</tbody>
</table>

### GRI 404 Training and Education
- **404-1 Average hours of training per year per employee**: P68
- **404-2 Programs for upgrading employee skills and transition assistance programs**: P68

### GRI 405 Diversity and Equal Opportunity
- **405-1 Diversity of governance bodies and employees**: P69

### GRI 407 Freedom of Association and Collective Bargaining
- **407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk**: None

### GRI 408 Child Labor
- **408-1 Operations and suppliers highly susceptible of child labor**: None

### GRI 409 Forced or Compulsory Labor
- **409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor**: None

### GRI 410 Supplier Social Assessment
- **411-1 New suppliers that were screened using social criteria**: PS2

### GRI 411 Marketing and Labeling
- **417-3 Incidents of non-compliance concerning marketing communication**: None

### GRI 412 Socioeconomic Compliance
- **419-1 Non-compliance with laws and regulations in the social and economic area**: None

### GRI 405 Diversity and Equal Opportunity
- **405-1 Diversity of governance bodies and employees**: P69

### GRI 407 Freedom of Association and Collective Bargaining
- **407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk**: None

### GRI 408 Child Labor
- **408-1 Operations and suppliers highly susceptible of child labor**: None

### GRI 409 Forced or Compulsory Labor
- **409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor**: None

### GRI 410 Supplier Social Assessment
- **411-1 New suppliers that were screened using social criteria**: PS2

### GRI 411 Marketing and Labeling
- **417-3 Incidents of non-compliance concerning marketing communication**: None

### GRI 412 Socioeconomic Compliance
- **419-1 Non-compliance with laws and regulations in the social and economic area**: None

### Additional Information
- **LONGi respects employees’ freedom of association and collective negotiation right**
- **LONGi prohibits employment of child labor**
- **LONGi prohibits forced labor**
- **LONGi prohibits employment of child labor**
- **LONGi prohibits forced labor**
- **LONGi prohibits employment of child labor**
- **LONGi prohibits forced labor**
- **LONGi prohibits employment of child labor**
- **LONGi prohibits forced labor**

---

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RR-ST-130a.1 Total energy consumed</td>
<td>P31</td>
<td></td>
</tr>
<tr>
<td>RR-ST-130a.2 Percentage grid electricity</td>
<td>P31</td>
<td></td>
</tr>
<tr>
<td>RR-ST-130a.3 Percentage renewable</td>
<td>P31</td>
<td></td>
</tr>
</tbody>
</table>

### Energy Management in Manufacturing
- **RR-ST-140a.1 Total water withdrawn**: P59
- **RR-ST-140a.2 Water consumption, percentage of each in regions with High or Extremely High Baseline Water Stress**: P60
- **RR-ST-140a.3 Description of water management risks and discussion of strategies and practices to mitigate those risks**: P58-60

### Hazardous Waste Management
- **RR-ST-150a.1 Amount of hazardous waste generated, percentage recycled**: P62
- **RR-ST-150a.2 Number and aggregate quantity of reportable spills, quantity recovered**: None N.A.

### Ecological Impacts of Project Development
- **RR-ST-160a.1 Number and duration of project delays related to ecological impacts**: None N.A.

### Management of Energy Infrastructure Integration & Related Regulations
- **RR-ST-410a.1 Description of risks associated with integration of solar energy into existing energy infrastructure and discussion of efforts to manage those risks**: P27-28
- **RR-ST-410a.2 Description of risks and opportunities associated with energy policy and its impact on the integration of solar energy into existing energy infrastructure**: P14-16

### Product End-of-Life Management
- **RR-ST-410b.1 Percentage of products sold that are recyclable or reusable**: P39
- **RR-ST-410b.2 Weight of end-of-life material recovered, percentage recycled**: P62
- **RR-ST-410b.3 Percentage of products by revenue that contain IEC 62474 declarable substances, arsenic compounds, antimony compounds, or beryllium compounds**: None Undisclosed
- **RR-ST-410b.4 Description of approach and strategies to design products for high-value recycling**: P38

### Materials Sourcing
- **RR-ST-440a.1 Description of the management of risks associated with the use of critical materials**: P52
- **RR-ST-440a.2 Description of the management of environmental risks associated with the polysilicon supply chain**: P52

### Activity Metrics
- **RR-ST-000.A Total capacity of photovoltaic (PV) solar modules produced**: P7
ASSURANCE STATEMENT

SGS-CSTC’S REPORT ON SUSTAINABILITY ACTIVITIES IN THE SUSTAINABILITY REPORT OF LONGI GREEN ENERGY TECHNOLOGY CO., LTD. FOR 2021

NATURE AND SCOPE OF THE ASSURANCE/VERIFICATION
SGS-CSTC was commissioned by the LONGi Green Technology Co. Ltd. (hereinafter called “LONGi”) to conduct an independent assessment of the Chinese version of LONGi’s SUSTAINABILITY REPORT for 2021 (hereinafter called “the REPORT”). The scope of the assurance, based on the SGS CSR Assurance methodology, included the texts and data in accompanying tables. We are offsite verified the data and the information which contained in the REPORT about the LONGi head-office and the business unit at No. 388, HangtianZhongliu, Chang’an District in An City, Shaanxi Province, P.R. China. The other affiliates were not included in this assurance process. The information in the REPORT is the sole responsibility of the chairman and the relevant function department of LONGi. SGS has not been involved in the preparation of any of the material included in the REPORT.

Our responsibility is to inform all LONGi’s stakeholders of our opinions on the text, data, charts and statements within the scope of verification as specified below.

SGS has developed a set of regulations for the verification of sustainability reports based on internationally recognized standards and guidelines, including the principles of accuracy and reliability of the Global Reporting Initiative Standards (GRI STANDARDS) and verification levels in the AA1000 standards listing.

This REPORT has been assured at a moderate level of scrutiny using our protocols for:
- evaluation of the report against core option of GRI Standards (2016).
- evaluation of the content veracity; and
- independent assurance of the Chinese version of the REPORT of LONGi’s SUSTAINABILITY REPORT for 2021 (hereinafter called “the REPORT”). The scope of the assurance, based on the SGS CSR Assurance methodology, included the texts and data in accompanying tables. We are offsite verified the data and the information which contained in the REPORT about the LONGi head-office and the business unit at No. 388, HangtianZhongliu, Chang’an District in An City, Shaanxi Province, P.R. China. The other affiliates were not included in this assurance process. The information in the REPORT is the sole responsibility of the chairman and the relevant function department of LONGi. SGS has not been involved in the preparation of any of the material included in the REPORT.

Our responsibility is to inform all LONGi’s stakeholders of our opinions on the text, data, charts and statements within the scope of verification as specified below.

STATEMENT OF INDEPENDENCE AND COMPETENCE
SGS is an internationally recognized body for inspection, appraisal, testing and certification, a recognized benchmark for quality and integrity, and has a global service network. SGS affirms that it is a completely independent organization from LONGi, and that there is no bias or conflict of interest against LONGi, its affiliates and stakeholders.

The verification team was assembled based on their knowledge, experience and qualifications for this assignment, and comprised of CSR lead assuror by SGS, CCAA registered ISO 9001, ISO 14001 and ISO 45001 auditor and SAAS registered SA8000 auditor.

VERIFICATION/ ASSURANCE OPINION
Based on the above methodology and verification, the information and data contained in the REPORT is accurate and reliable, providing a fair and pertinent assessment on the sustainability activities of LONGi in 2021.

The verification team believes that the REPORT can be used by the stakeholders for reporting organization.

SGS believes that the organization has selected an appropriate compliance option in the REPORT.

Conclusions, Findings and Recommendations of GRI Standards
SGS believes that the REPORT has met all the requirements of the core option for GRI Standards on reporting content and principles.

Stakeholder Participation
LONGi has identified stakeholders related to its own activities, has considered the reasonable expectations and interests of stakeholders, and has adopted certain methods to communicate with stakeholders.

Sustainability Context
LONGi had demonstrated its efforts in sustainable development from economic, environmental and social aspects, and had disclosed the performances in combination with the background of sustainable development.

Materiality
LONGi focuses on the issues of stakeholders which reflects the important impact on the economy, environment and society, and reasonably discloses important issues and indicators that have a substantial impact on evaluation and decision-making of stakeholders.

Completeness
The REPORT covers identifiable material aspects and their boundaries, reflecting the important impact on the economy, environment and society, so that stakeholders can evaluate the performance of LONGi during the reporting period.

Balance
The REPORT complies with the principle of balance, and faithfully discloses positive and part of non-positive performance.

Comparability
The REPORT discloses various relevant performance indicators for 2021, and some of the performance indicators disclose historical data, which could help stakeholders to understand and visually compare the performance of sustainability. It is suggested that LONGi further improve the comparability of social performance.

Accuracy
The REPORT contains accurate content information, which can publicly disclose qualitative and quantitative information about lots of performance indicators to stakeholders.

Timeliness
LONGi issued its sustainability / corporate social responsibility report from 2018, and this is the 5th REPORT. LONGi will report on a regular schedule once a year to assure the good timeliness.

Clarity
The REPORT uses a variety of expressions such as text descriptions, data tables, graphics, photos, also described and narrated with actual cases to ensure the stakeholders understand it easily.

Reliability
The information and data in the REPORT had been collected, recorded and analyzed timely, and which was authentic and reliable.

Management Method
The REPORT has disclosed the management approach of the identified material topics.

General Disclosures
The general disclosure of LONGi meets the requirements of the GRI standards core option.
Topic-Specific Disclosures
LONGi discloses special topics related to the identified important economic, environmental and social substantive issues in accordance with the requirements of the GRI standards core option.

Findings and Recommendations
The good practices found in the verification process and the sustainability report, the recommendations in the management process are described in the internal management report of the sustainability report verification, which had been submitted to the relevant management departments of LONGi for reference to continuous improvement.

Limitations of Verification
This verification only offsite visited the LONGi head-office and the business unit. Affected by the COVID-19 prevention, the verification team did not make an onsite visit, and online traced the information which disclosed in the REPORT.

Signed:

On behalf of SGS-CSTC Standards Technical Services Co., Ltd.
A-16/F Century Yuhui Mansion, No.73 Fucheng Road, Haidian District, Beijing, China
April 24th, 2022
WWW.SGS.COM
Dear readers,
Thank you for reading LONGi Group 2021 Sustainability Report. Please kindly fill the feedback form and submit it. It will help improve LONGi’s sustainable development and the report quality. We hereby commit to keeping your personal information in strict confidentiality.

Personal information
* Name: ________________ * Email: ________________

* Which stakeholder you belong to?
  □ Employee □ Customer □ Government □ General Public □ Supplier □ Public organization □ Others

Your feedback:
* Your general comment on the report:
  □ Excellent □ Good □ Ordinary □ Bad

* Your comment on performance of environmental responsibility by LONGi as disclosed in the report:
  □ Excellent □ Good □ Ordinary □ Bad

* Your comment on performance of social responsibility by LONGi as disclosed in the report:
  □ Excellent □ Good □ Ordinary □ Bad

* Your comment on performance of control and management responsibility by LONGi as disclosed in the report:
  □ Excellent □ Good □ Ordinary □ Bad

* Has the report provided information you want:
  □ Yes □ No

* Do you think the content arrangement and layout design of the report are easy for reading:
  □ Yes □ No

* What information you want to know but is not reflected in the report:
  ____________________________________________

* What opinions and suggestions do you have on sustainable development efforts of LONGi Group?
  ____________________________________________

* What additional information do you want to know from the sustainability report of LONGi Group?
  ____________________________________________

Address: 8369 Shangyuan Road, Xi'an Economic and Technological Development Zone, Shaanxi Province
Postal code: 710016
Tel.: +86 029 85767999 Fax: 029 81566685
Website: www.longi.com Email: CSR@longi.com