



Solargiga Energy

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Make the World a Better Place



About Us

Founded in 2000, Solargiga Energy is a well-known photovoltaic company. Listed in HKEX in 2008 (00757.HK), Solargiga Energy integrates R&D, production, sales&marketing and system application of PV modules. We employ more than 2,000 staff worldwide and have production bases in Jinzhou (Liaoning) and Yancheng (Jiangsu). Our Marketing&Operation Center located in Suzhou (Jiangsu), and set up Beijing Office. Our business footprint covers major PV markets around the globe. We are committed to providing global customers with high-quality PV products, technical support, after-sales services&solutions, and promoting the development of the clean energy industry.

Forging Ahead

with power unleashed

A Journey of **25** Years

Solargiga Energy was founded in 2000 and is performing as one of the most reliable industry partners.

20GW Module Capacity

Production bases in Jinzhou and Yancheng are expected to take Solargiga Energy's module production capacity to 20GW by the end of 2025.

400+ National Patents

A strategic focus on maintaining momentum through R&D and innovation have brought Solargiga more than 400 national patents to date.

Advanced Productivity Accounts for **90%**

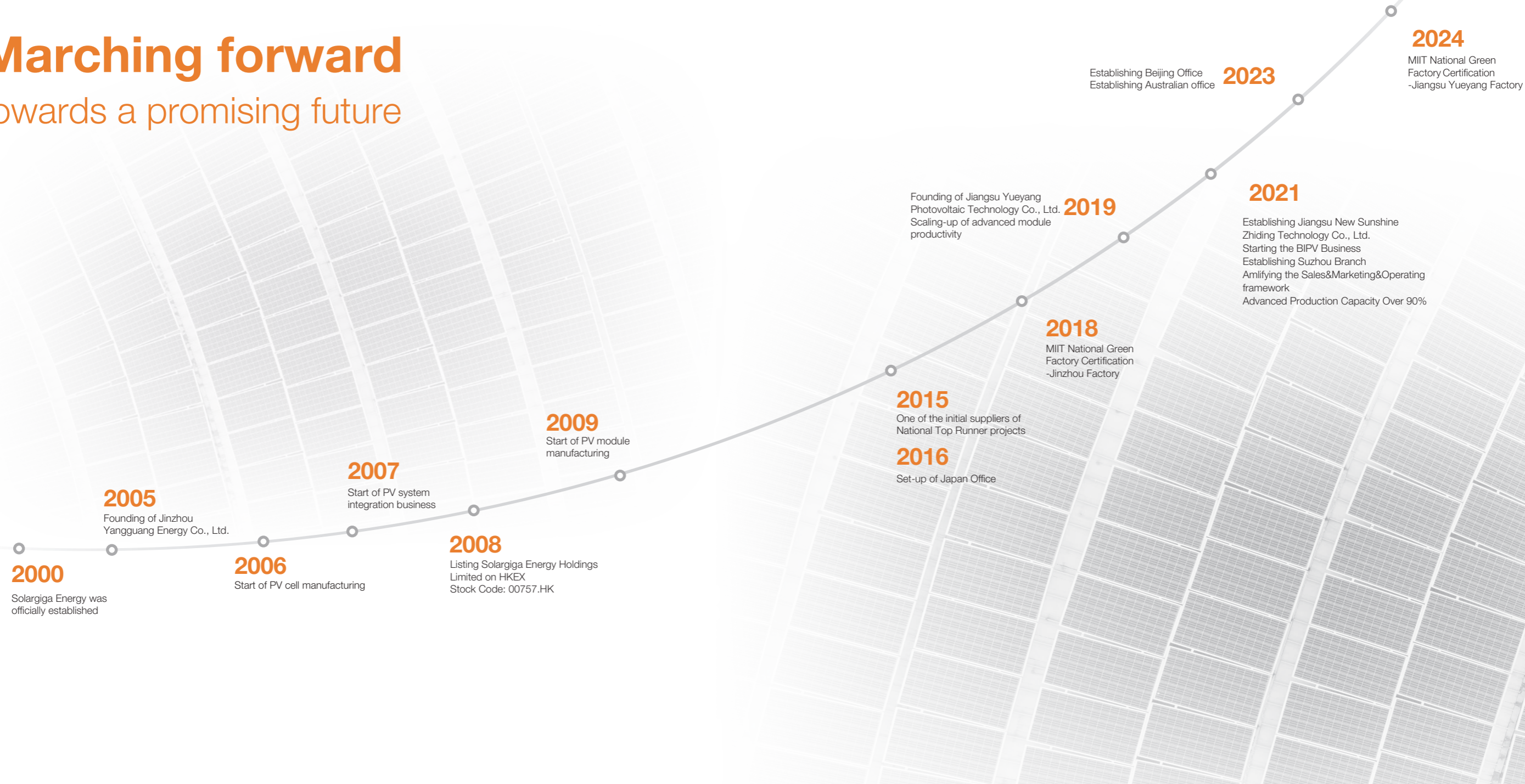
With the commissioning of the phase II facility of Yancheng factory, our advanced productivity account over 90% in 2021.

Business Footprint in **30+** Countries and Regions

We expand our marketing&sales network globally to over 30 countries & regions including Japan, Germany, South Korea, Vietnam, Thailand, Mongolia, Malaysia, the Philippines, Pakistan, Swiss, Sweden, and Afghanistan.

Marching forward

towards a promising future



Awards and Honors

Gaining widespread recognition

NO.92 Global Top 100 Most Competitive New Energy Enterprises

NO.189 2022 Global Top 500 New Energy Enterprises

NO.297 2022 Top 500 Chinese Energy Enterprises

NO.12 2022 Top 20 Chinese PV Module Enterprises

NO.19 2022 Top 20 Chinese PV Enterprises

NO.33 2023 Global Top 100 PV Enterprises

NO.60 2023 Top 100 Chinese PV Brands

Top 15 New Energy Player in 10th Top 100 Hong Kong Listed Companies

- National Green Factory
- National High-Tech Enterprise
- National Charity Enterprise Award
- Asian PV Innovation Award
- National Intelligent PV Pilot Demonstration Enterprise
- National Intellectual Property Advantage Enterprise
- National Harmonious Labor Relations Model Enterprise



- Member of the Standardization Technical Committee of China Photovoltaic Industry Association
- Member of the First Session of Household Photovoltaic Professional Committee
- Executive Member of China Electronic Materials Industry Association
- Vice Chairman of Semiconductor Materials Branch of China Electronic Materials Industry Association
- Expert Member of Photovoltaic Special Committee, China Renewable Energy Society
- Main Drafter of the Standards of China Quality Certification Center
- Vice Chairman of China Photovoltaic Industry Association
- Best Double-glass Module Supplier Award at China PV Top-runner Innovation Forum

Productivity layout

Steady expansion



Modules

2024 10GW

by the end of 2025 20GW



Make Manufacturing Intelligent

Automated Production Lines

Solargiga Energy's fully automated, cutting-edge production lines are compatible with 182/210mm modules among others and have been equipped with comprehensive automated testing technologies that facilitate the transition to intelligent manufacturing.

Real-time Data Management

Our innovative ERP platform enables real-time interaction, planning, execution, reporting, and CNAS-certified laboratories share product test data and allow for the mutual recognition of test results.

Whole-Process Quality Control

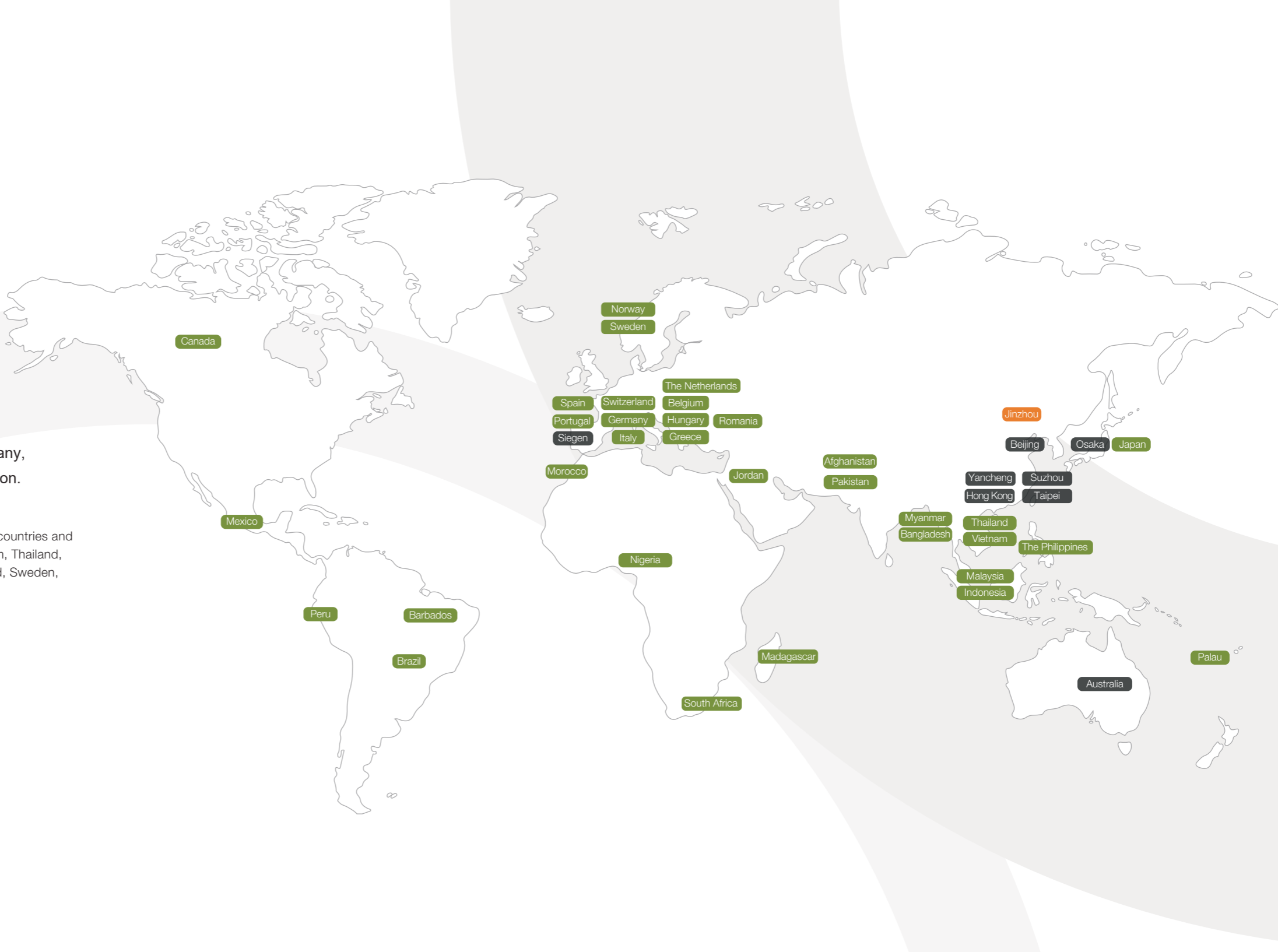
Solargiga's quality control system has obtained ISO9001, ISO45001, and ISO14001 certifications and spans the entire production process to ensure that module development and process quality management govern every step affecting product quality, building a quality control system unique to Solargiga.

Global Footprint

We have set up offices in China, Japan, Germany, and Australia to realize the leap into globalization.

Our products and services are available in more than 30 countries and regions, including Japan, Germany, South Korea, Vietnam, Thailand, Mongolia, Malaysia, the Philippines, Pakistan, Switzerland, Sweden, and Afghanistan.

- Headquarters
- Marketing Teams
- Offices/Production Bases



GIGA-N Series

For a Better User Experience



GIGA - N 72

22.95% Mass Production Efficiency
Industry-Leading Reliability



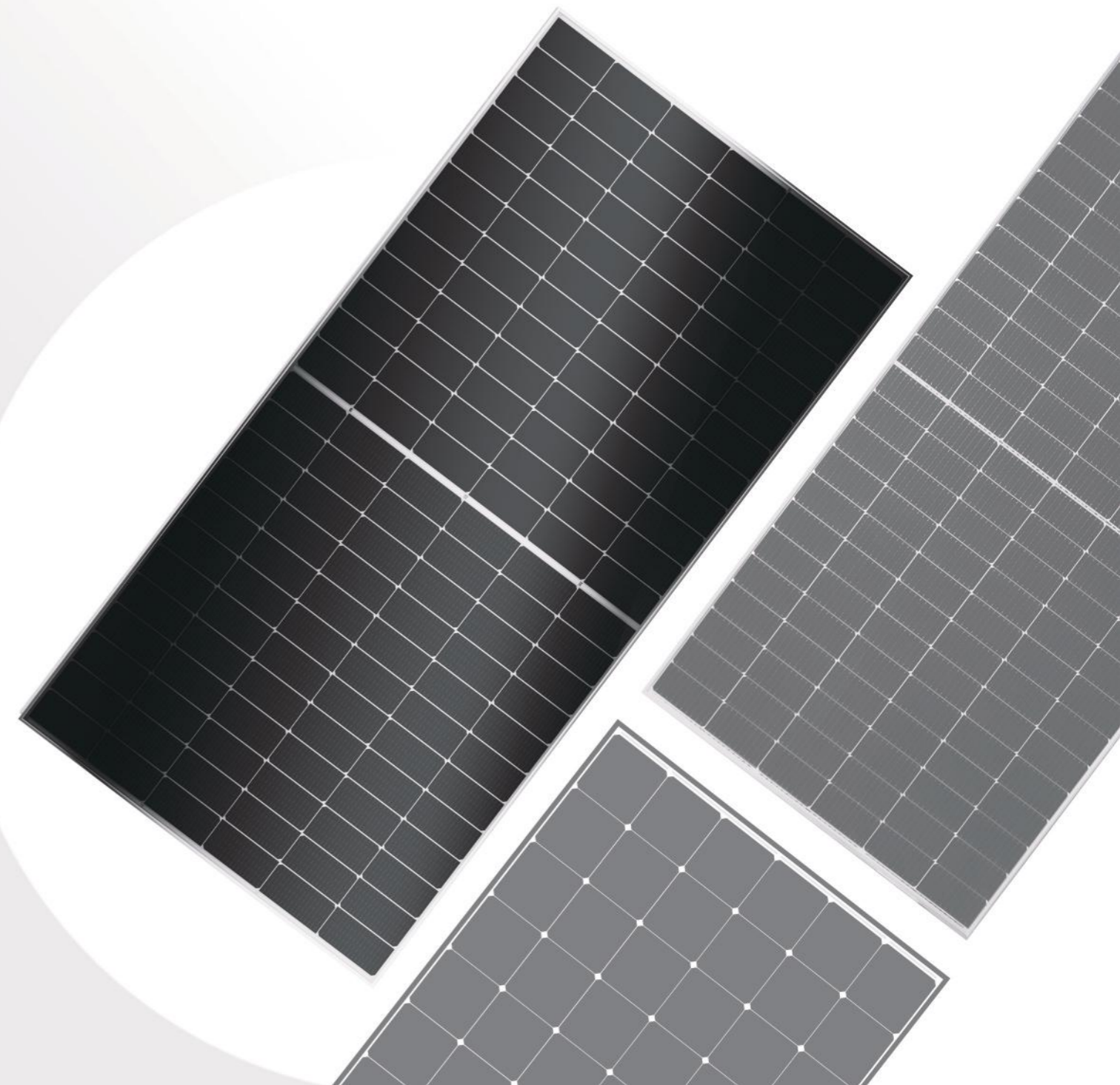
GIGA - N 78

Robust Performance
Lower LCOE
Higher Cost-Effectiveness







GIGA - N 54

Optimized Process
All-Black Design
Adaptable to Different Roof Types



Application Scenario

A comprehensive product portfolio catering to almost all PV scenarios.
A multi-dimentional and customized service system.
A flexible business mode in service of diversified project types.

- **BIPV**
Design & Delivery
- **Distributed Power Station**
Engineering & Delivery
- **EPC Service**
For all kinds of power stations
- **Large Power Station**
Engineering & Delivery



Large Power Station
Powerful·Efficient



Residential Roof
Customizable·Chic



Industrial&Commercial Roof
Reliable·Cost-effective



BIPV
Flexible·Eco



N-type TOPCon/HJT
Revolutionary·Proven

Driven by Innovation



Committed to Innovation

Solargiga Energy's fully automated, cutting-edge production lines are compatible with 182/210mm modules among others and have been equipped with comprehensive automated testing technologies that facilitate the transition to intelligent manufacturing.

Industry-University-Research Cooperation

Solargiga Energy's CNAS-certified laboratory shares product test data and enables the mutual recognition of test results, and we have established a provincial solar cell engineering technology research center in collaboration with Dalian University of Technology, with the Ministry of Science and Technology including their joint Black Silicon Solar Cell Project in the National 863 Program. Solargiga Energy has also established a BIPV research institute in conjunction with Shenyang Jianzhu University.

Constantly Upgrading Technology

Solargiga Energy has been hard at work on the innovation of large M10 and G12 modules, researching and producing N-type bifacial modules. We own the most cutting-edge N-type IBC cell technology and FPC module sealing technology.



2023

N-type TOPCon modules
Module efficiency>22.95%
Power up to 700W+



2024

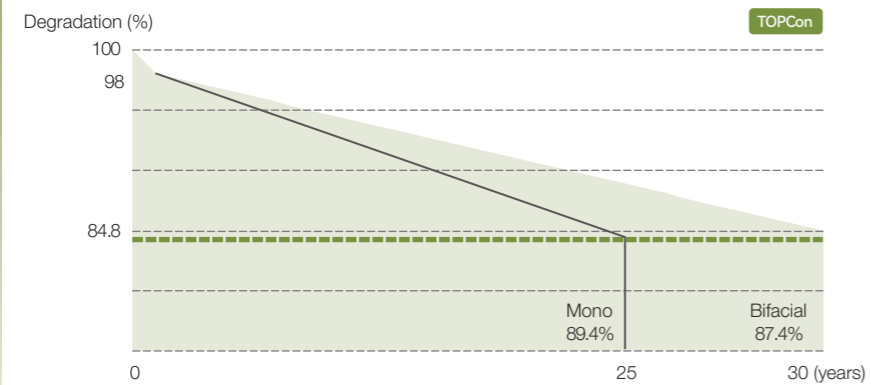
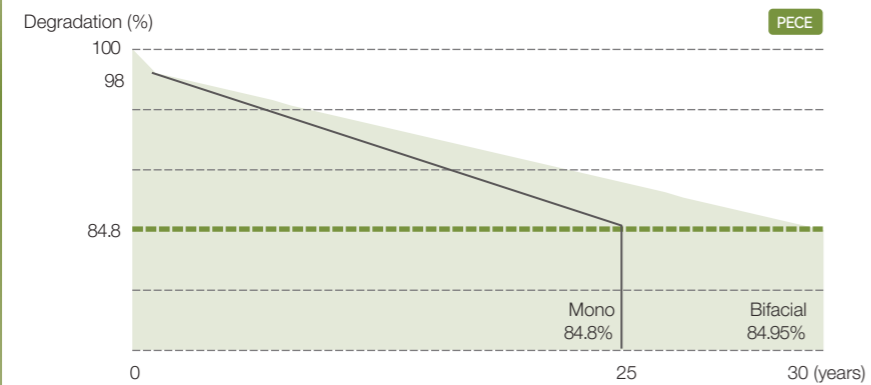
N-type TOPCon-0BB Module
N-type HJT Module
Escalation iteration
Decrease cost and improve efficiency



Future

N-type BC Module
Long-term reserve of N-type technology
Develop and research 750W+ PV module
and other products

Trustworthy Quality



Low Annual Degradation Industry-leading Quality Assurance

25-year/30-year linear power warranty for mono/bifacial modules.

The annual degradation rate for its modules is 2% in the first year and only 0.55% (mono ones)/0.45% (bifacial ones) from the second year.

N-type modules have a first-year degradation rate of less than 1%. The modules are guaranteed to maintain at least 87.40% of the original output power level 30 years.

Fully certified and insured by professional bodies



Projects Gallery

Large Power Stations

2024

Chuxiong, Yunnan
150MW Large Power Station
580W N-type TOPCon Module



2024

Nilek, Xinjiang
1.1GW Large Power Station
660W/665W Bifacial module

Projects Gallery

Large Power Stations

2022

Mypolonga, Australia

4.95MW Large Power Station
405W Bifacial Module



2023

Florina, Greece

4.5MW Large Power Station
545W Bifacial module



Projects Gallery

Large Power Stations

2021

Qinglong, Guizhou

90MW Large Power Station
445W Mono Module



2022

Kaiping, Guangdong

150MW Large Power Station
455W/545W Bifacial Module





Projects Gallery

Large Power Stations

2021

Anda, Heilongjiang

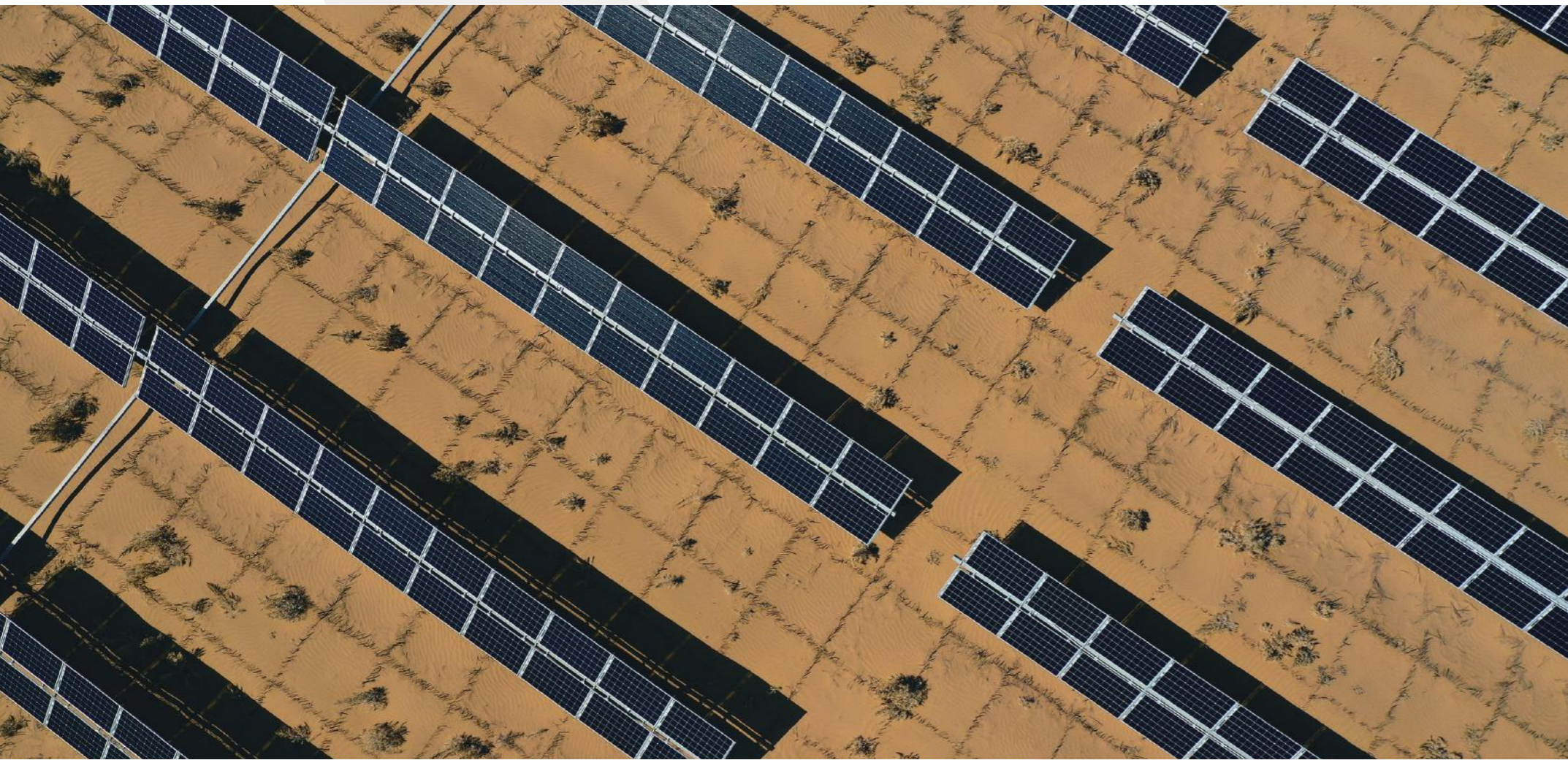
500MW Large Power Station
375W/445W Bifacial Module



2022

Shouguang, Shandong

Large Power Station
655W Bifacial Module



2019

Dalat, Inner Mongolia

300MW Large Power Station
310W Bifacial Module

Projects Gallery



2019

Ningxin, Tianjin

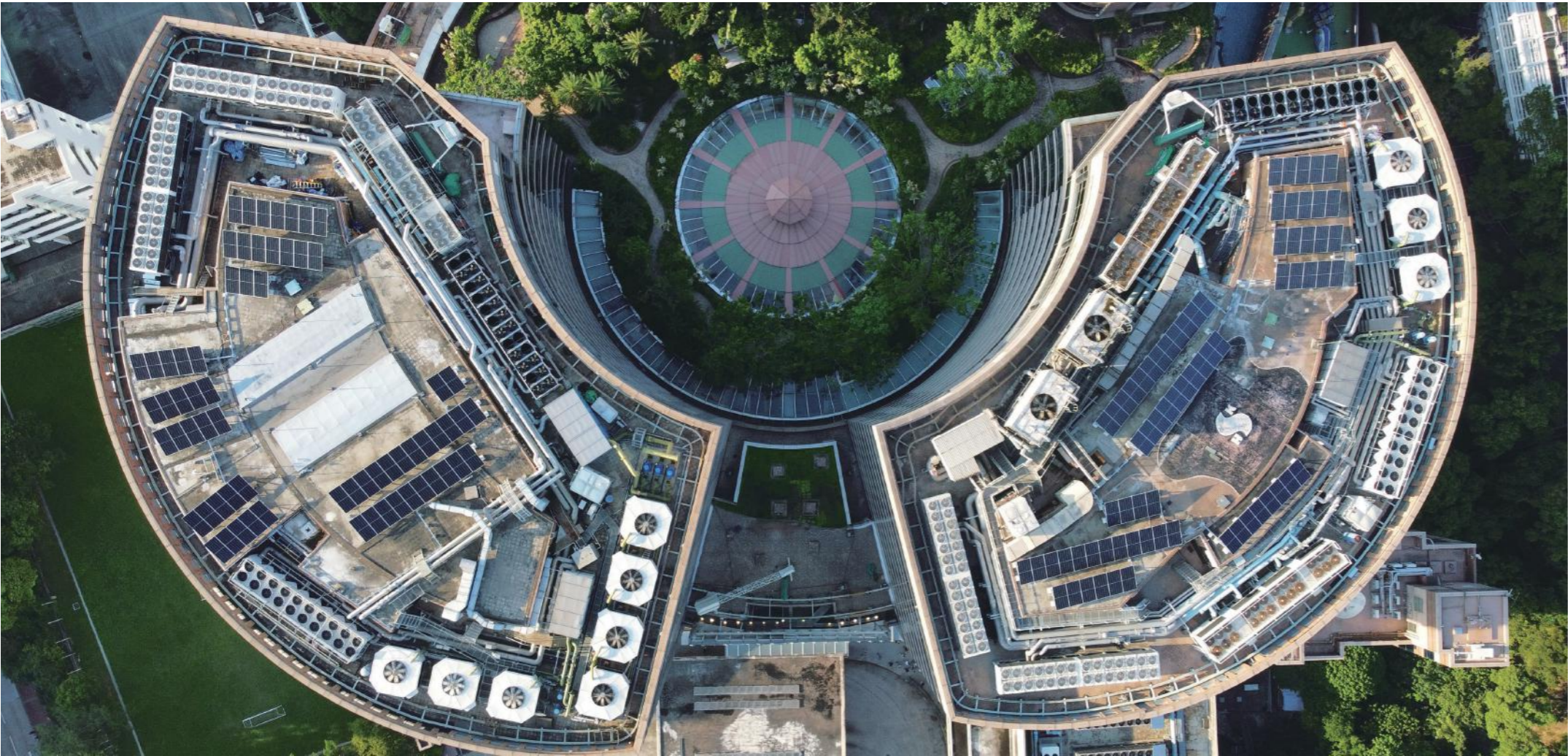
30MW Large Power Station
305W Mono Module



2018

Golmud, Qinghai

20MW Large Power Station
275W Mono Module



2023

Mong Kok, Hong Kong

78.3kW Residential Roof
540W Mono Module

Projects Gallery

Industrial and Commercial Rooftop/Residential
Distributed Projects

2024

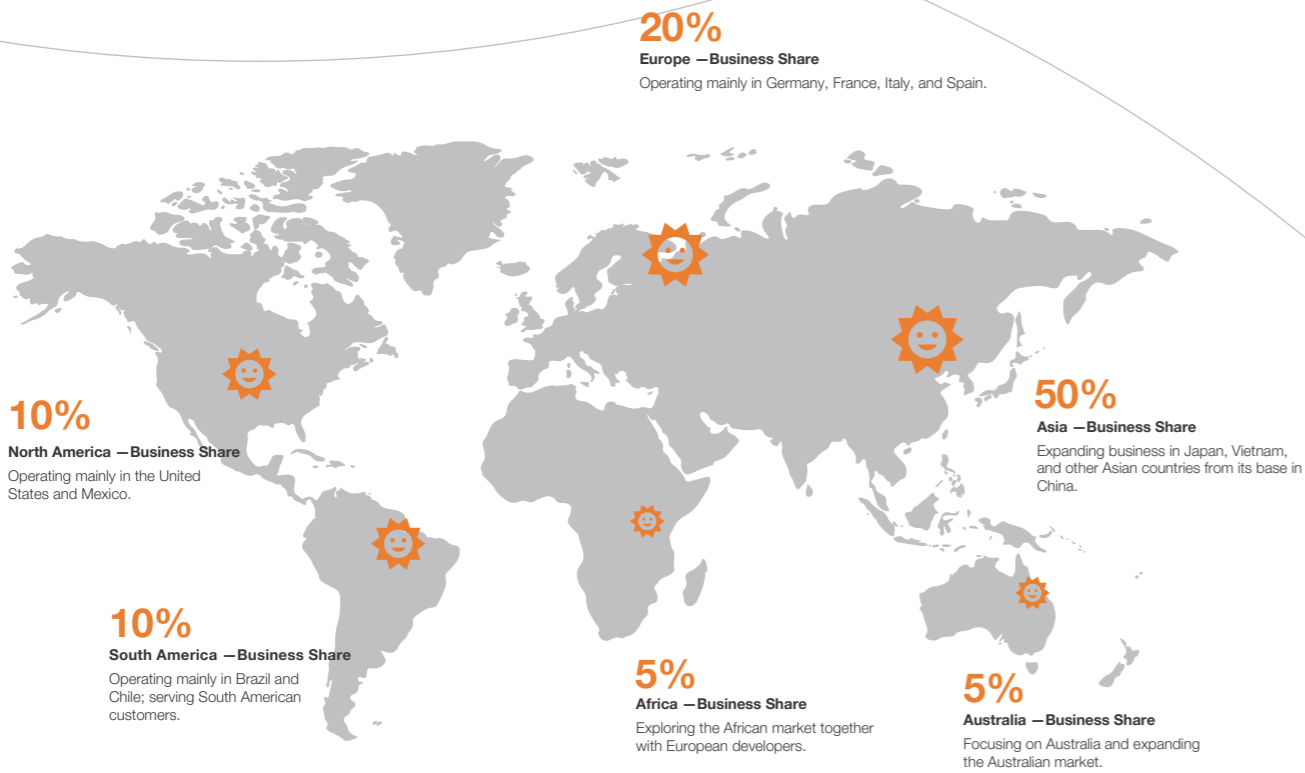
Eastern Cape, South Africa

390kW Residential Roof
580W N-type TOPCon Module



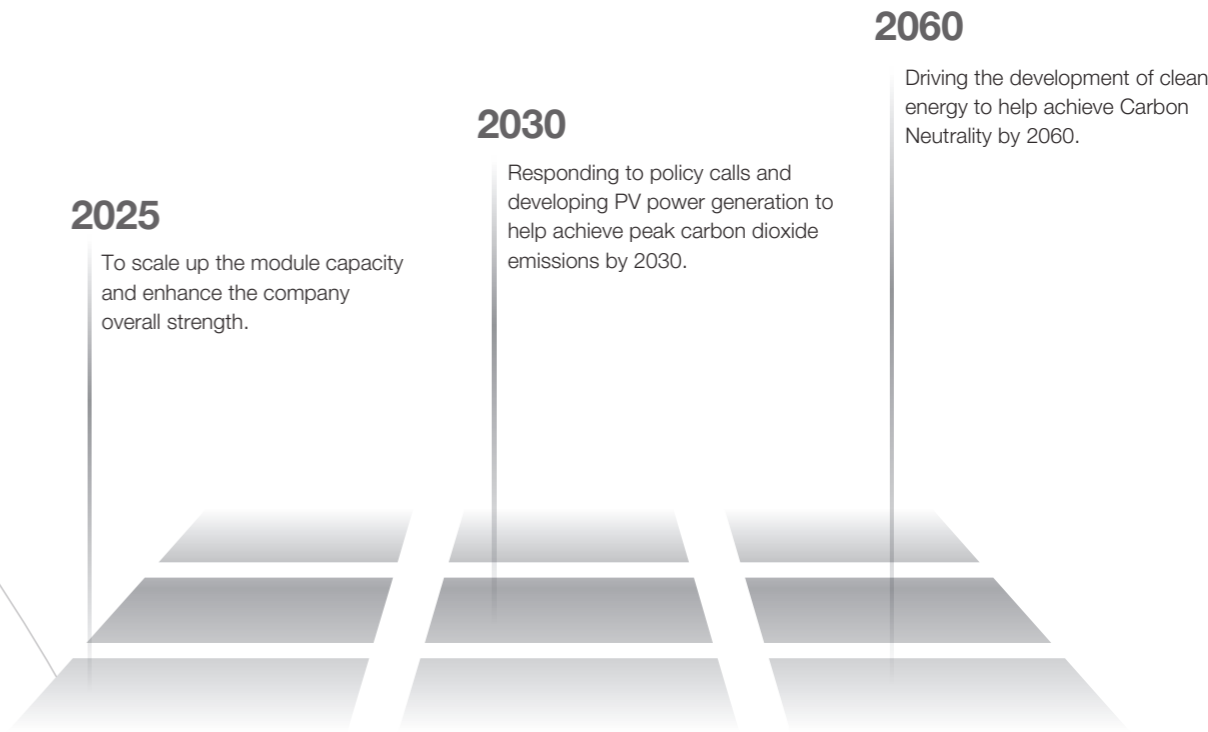
Our Vision

Although proudly Chinese, Solargiga Energy has been exploring the Asian market and actively expanding into Europe, North America, Australia, and South America, strengthening its global presence and providing customers worldwide with the most competitive product and considerate service.



Embrace the Future

Solargiga Energy's core business decisions are informed by sustainability, and it incorporates ESG into its strategic planning. It has worked hard to integrate green, low-carbon, sustainable development and become the world's leading manufacturer of monocrystalline silicon PV products. Solargiga Energy intends to continue to promote PV power generation as a way to facilitate the implementation of "dual carbon" initiatives, drive sustainable development, and accelerate the green, low-carbon transformation of the global energy system.





ESG

Environmental, Social, and
Corporate Governance

Green Operations for a Shared Future

en.solargiga.com

Solargiga Energy has engaged independent ESG consultants to assist in preparing ESG reports and providing ESG-related consulting services, and the Board of Directors is responsible for supervising and reviewing. For more information, please refer to the ESG reports released on our official website.

Social Responsibility

We have compiled and published 7 ESG reports.

Green Production

Solargiga Energy has striven to reduce carbon emissions created in the production process. In the latest reporting year, it registered greenhouse gas emissions of 291,905.6 tons and a total water consumption of 1,802,892 cubic meters. The Company has formulated Energy Management Rules to minimize raw water consumption and promoted a series of water-saving measures, such as the recycling of ultra-pure water used in production.

Quality Control

Product quality has always been a priority for us. During the reporting period, Solargiga Energy did not recall any products for health and safety reasons.

Innovation

As of today, we have invested over RMB 920 million in R&D, employing more than 340 R&D technicians, obtaining over 150 authorized and 400 national patents, and over 50 provincial and municipal science and technology awards.

Employee Development

Solargiga Energy believes its employees are its most valuable asset and the greatest contributors to business success. In the last reporting period, the Company offered a total of 65,753 hours of training for employees.