SUNTECH

Stand the Test of Time

2020.04

A GLOBAL LEADING SOLAR PROVIDER

Founded in 2001, Suntech has supplied over 21GW photovoltaic modules to more than 100 countries. As a leading photovoltaic manufacturing company, we specialized in the research and production of crystalline silicon solar cells and modules, and always dedicated ourselves to the improvement of production technology, and also the R&D technology to ensure the most reliable and highest quality to our customers.

We aim to become the most trusted PV company through continuous innovation and excellent management.

20 Years
PV modules manufacturer experience

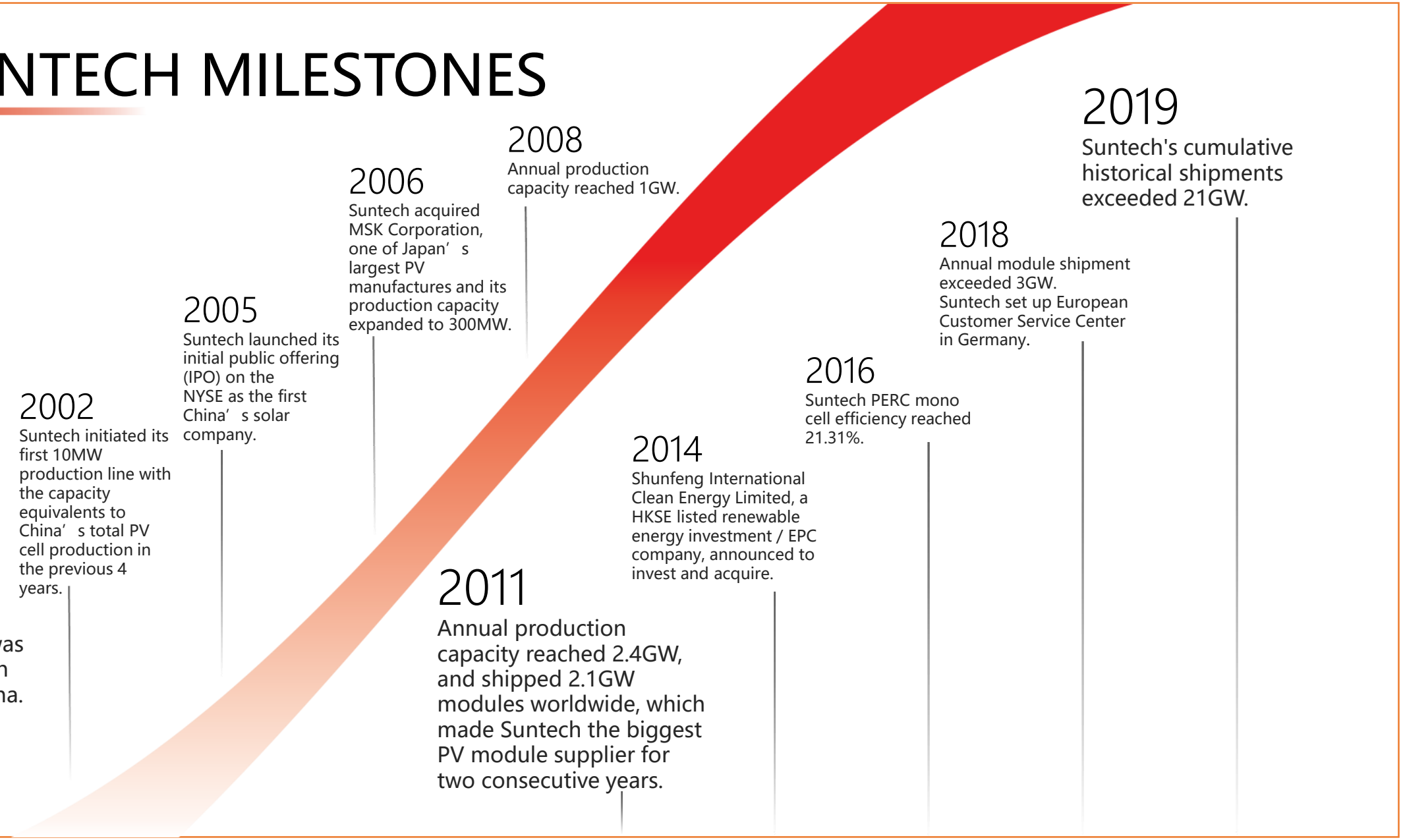
21GW+
Solar products delivered around the world

500+
Authorized patents

100+ countries
1500+ partners
Global business footprint and industry-leading partners

Stand the Test of Time

SUNTECH MILESTONES



2001
Suntech was founded in Wuxi, China.

2002
Suntech initiated its first 10MW production line with the capacity equivalents to China's total PV cell production in the previous 4 years.

2005
Suntech launched its initial public offering (IPO) on the NYSE as the first China's solar company.

2006
Suntech acquired MSK Corporation, one of Japan's largest PV manufactures and its production capacity expanded to 300MW.

2008
Annual production capacity reached 1GW.

2011
Annual production capacity reached 2.4GW, and shipped 2.1GW modules worldwide, which made Suntech the biggest PV module supplier for two consecutive years.

2014
Shunfeng International Clean Energy Limited, a HKSE listed renewable energy investment / EPC company, announced to invest and acquire.

2016
Suntech PERC mono cell efficiency reached 21.31%.

2018
Annual module shipment exceeded 3GW.
Suntech set up European Customer Service Center in Germany.

2019
Suntech's cumulative historical shipments exceeded 21GW.

Stand the Test of Time

GLOBAL FOR LOCAL

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

SUFFICIENT CAPACITY FOR YOUR DEMAND

4.5GW
Solar Module Capacity

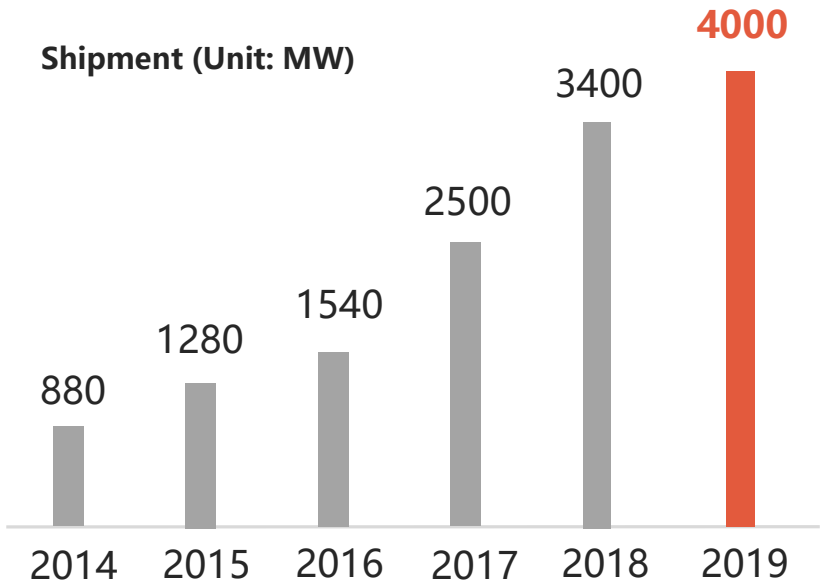
2.5GW
Solar Cell Capacity

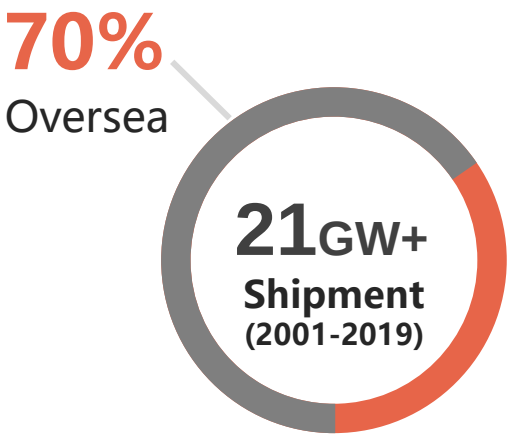
Group Capacity

6GW+	6.3GW
Wafer Capacity	Cell Capacity

GROWING SHIPMENT

By the end of 2019, Suntech has supplied more than 21GW of solar modules to global customers.

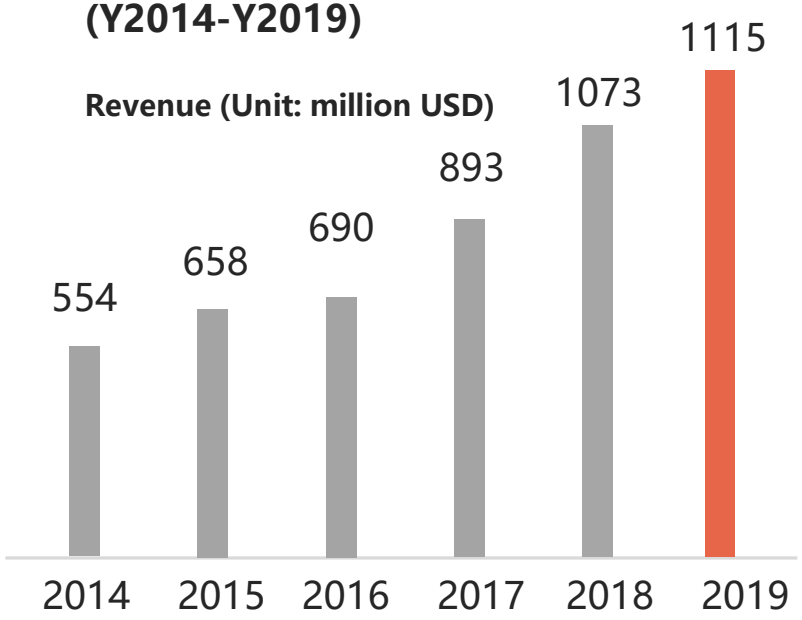




TRUSTWORTHY FINANCE
SUSTAINABLE GROWTH

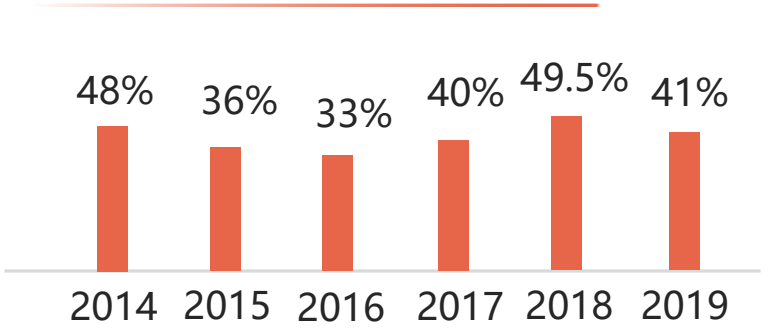
Annual Revenue

(Y2014-Y2019)



Asset-liability ratio

(Y2014-Y2019)



SOLID FINANCIAL STRENGTH
AUTHORIZED CREDIBILITY

Bloomberg
NEW ENERGY FINANCE

Table 3: BloombergNEF Tier 1 module maker list as of 4Q 2

Firm/ brand	Annual module capacity, MW/year
Jinko*	16,000
Longi*	15,000
Hanwha Q-Cells*	10,700
JA Solar*	10,500
Canadian Solar	9,400
Risen Energy	9,100
Trina Solar*	8,000
GCL Systems*	7,200
First Solar*	6,200
Talesun	5,800
Seraphim*	5,000
Chint/Astronergy*	4,200
Wuxi Suntech*	3,900
Renesola	3,650
ZNShine*	3,500
Akcome	2,600
Eging	2,600
LG Electronics*	2,500
BYD	2,400

*Source: BloombergNEF Methodology here. Note: * denotes a comp PVEL. Contact Tara.Doyle@pvel.com for details.*

Ranks Tier 1 by BNEF

dun & bradstreet

D & B Rating：5A-
Moderate Low Risk

Financial Strength：5A
Tangible Net worth > 450,000,000

PAYDEX of This Business：80
Late Payment Risk: Low

D & B Rating

EUPD RESEARCH TOP BRAND PV MODULES AUSTRALIA 2020

EUPD RESEARCH TOP BRAND PV MODULES SWITZERLAND 2020

EUPD RESEARCH TOP BRAND PV MODULES GERMANY 2020

EUPD RESEARCH TOP BRAND PV MODULES NETHERLANDS 2020

Awarded by EuPD Research

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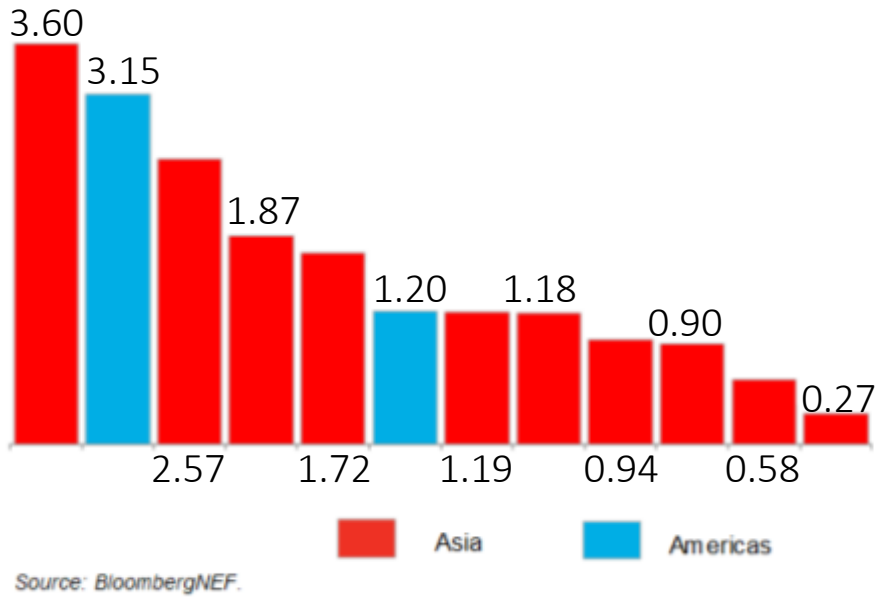
TRUSTWORTHY FINANCE

Altman-Z scores of quoted pureplay solar manufacturers, 3Q or 1H 2019



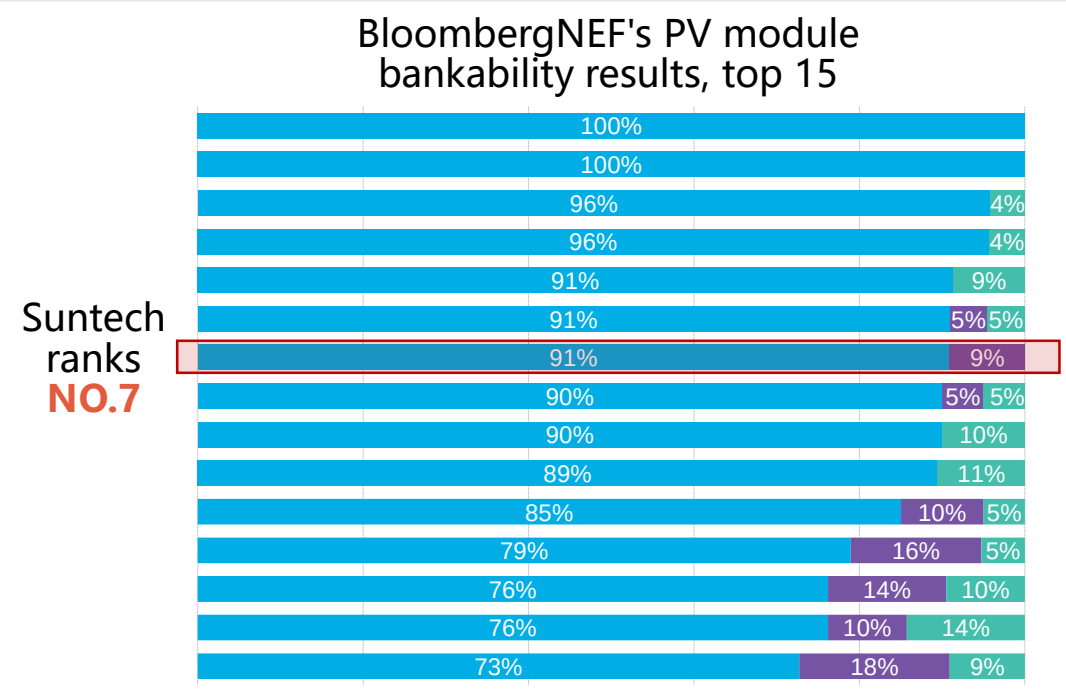
Source: BloombergNEF.

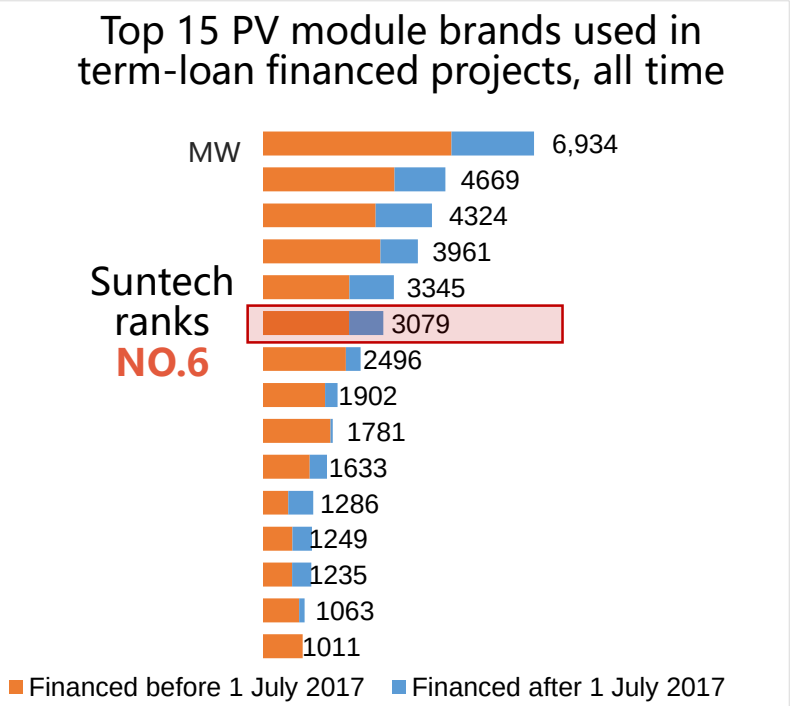
According to our financial data of 2019, the Altman Z-Score of Suntech is **2.19**, which maintained a superior level in the global PV industry.

The Altman Z-score is the output of a credit-strength test that gauges a publicly-traded manufacturing company's likelihood of bankruptcy.

It is based on five financial ratios that can calculate from data found on a company's annual 10-K report.

SUPERIOR BANKABILITY LEADING INNOVATION





Suntech is in the list of Top 15 BloombergNEF's PV module bankability results and ranks Tier 1 by BNEF in the long term.

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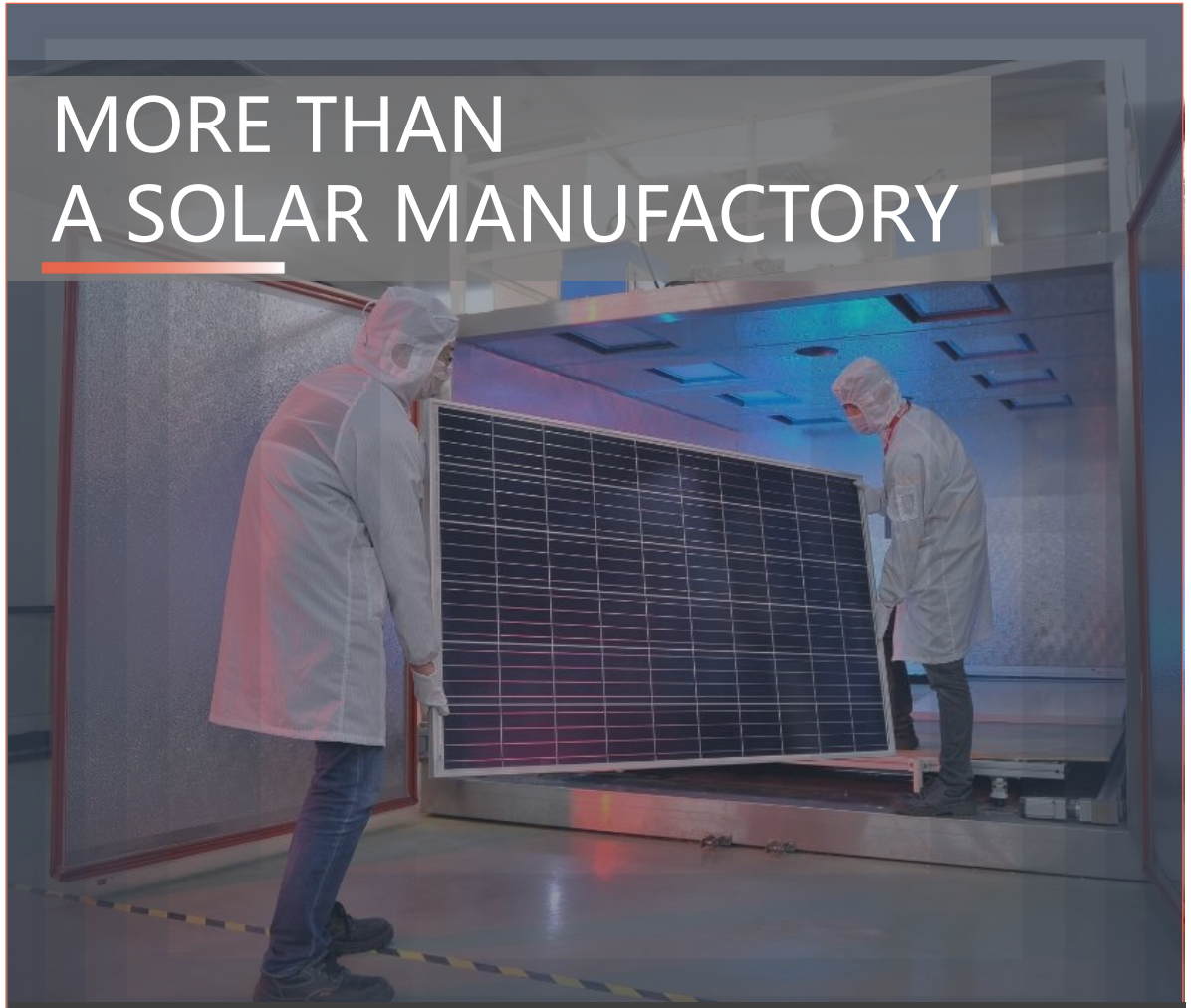
SUPERIOR BANKABILITY
LEADING INNOVATION

Black&Veatch validated Suntech bankability in a 2016 study.

Munich Re granted Suntech warranty back up insurance after extreme vetting.

MORE THAN A SOLAR MANUFACTORY



Suntech owns a National Level Testing Center for photovoltaic products certified by CNAS

- From 2016 to 2020, Suntech awarded EuPD Research TOP BRAND PV SEAL.
- Suntech Recognized with Frost & Sullivan's 2016 APAC Renewable Energy Technology Growth Excellence Leadership Award.
- World Economic Forum(WEF) recognized Suntech the most environmentally friendly company worldwide.
- In 2011 and 2012, MIT Technology Review named Suntech one of the world's 50 most innovative companies.
- In 2011, Suntech recognized Global Leader Award from Murphy & Spitz and Gigaton Prize.

Stand the Test of Time

From manufacturing to intelligent manufacturing

Automatic Manufacturing

The advanced automatic production line opened a new era for capacity, Suntech module factory can work for various advanced technology production requirements, and achieve the transition from manufacturing to intelligent manufacturing.

Real-time Interaction Systems

Suntech’ s SAP and ERP business platforms can achieve real-time interaction, planning, execution, reporting and analysis, which makes them the most advanced business platforms and enables sustainable innovation.

Elevated Warehouse

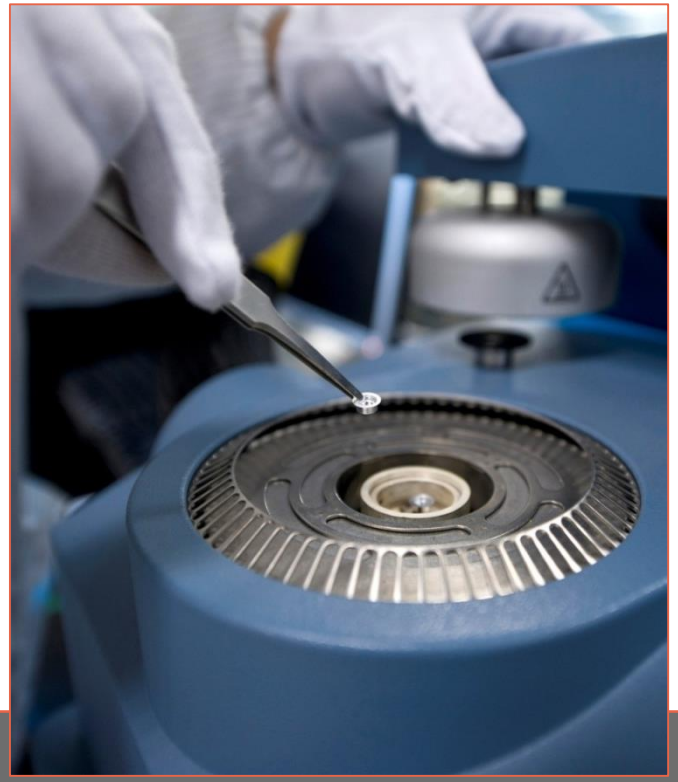
The integrated elevated warehouse is a modernized three-dimensional warehouse integrating functions of warehousing. The hardware facilities allow containers and flat trucks shipping at the same time 24 hours a day.

MORE THAN RELIABLITY

Suntech is fully certified by professional third party testing organizations.

Suntech is ranked as Top Performer for a 3rd year in the 2019 PV Module Reliability Scorecard, published by PVEL in partnership with DNV-GL.

2019 TOP PERFORMER
PVEL | DNV·GL
PV MODULE RELIABILITY SCORECARD



To ensure each Suntech module has better sustainability even in harsh environment like desert, farm, coastline, not only do we have self-checking process, but we also deliver them to world-famous third party test organizations for more stringent tests.

Suntech Products

HiPro Series

All Here. All POWERFUL.

- High PID resistant
- Excellent weak light performance
- Extended load tests
- High module conversion efficiency
- Withstanding harsh environment
- Suntech current sorting process

HiPower Series

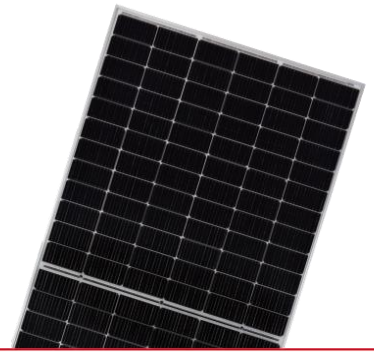
The FUTURE Has Come.

- High PID resistant
- Excellent weak light performance
- Extended load tests
- High system voltage compatible
- Lower hot spots
- High power output
- High system voltage compatible
- Low LID

HiPerforma Series

More POWER. Low LCOE.

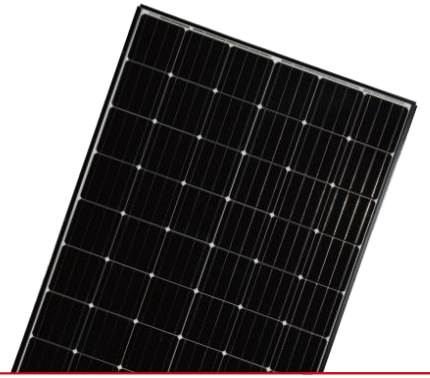
- Excellent weak light performance
- PID Free
- Distributed junction box
- Higher power output
- Lower BOS cost
- Low risk of micro-cracks
- Longer linear performance warranty
- Compatible with tracking system



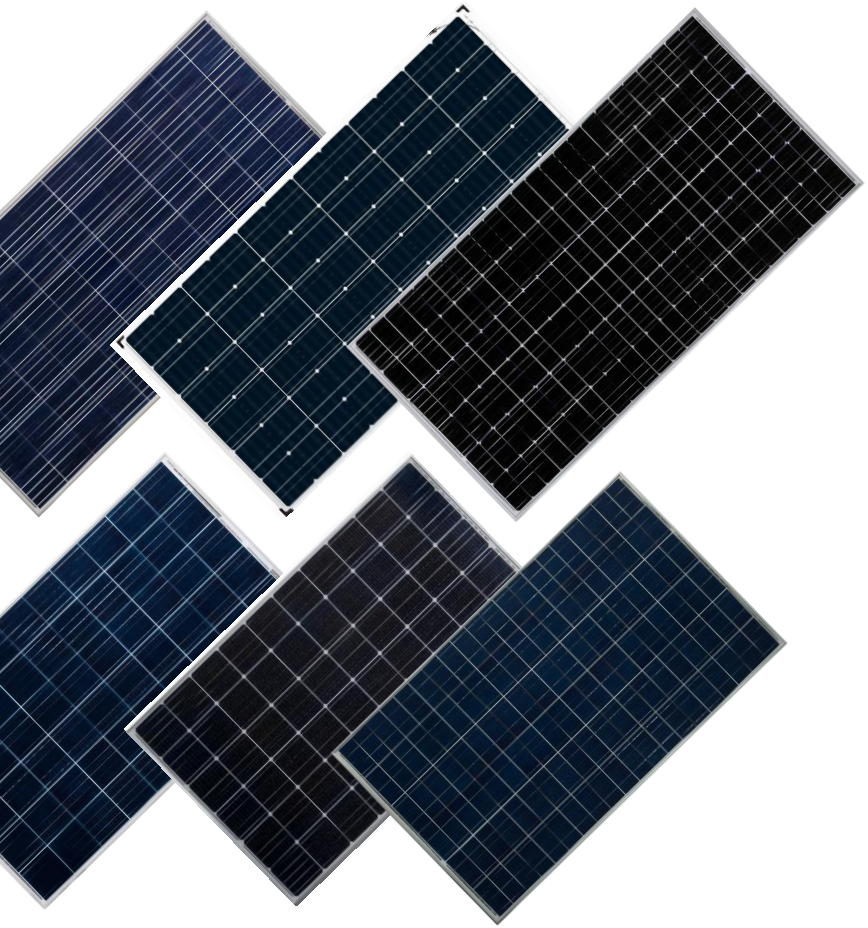
HiSpec series

FLEXIBLE For Every-Scene.

- High PID resistant
- Positive tolerance
- Extended load tests
- Peak Performance
- Light-weight
- Suntech current sorting process
- Excellent weak light performance
- Lower hot spots

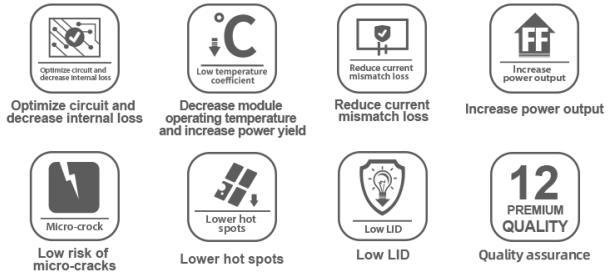


Stand the Test of Time



HiPro Series

All Here. All POWERFUL.

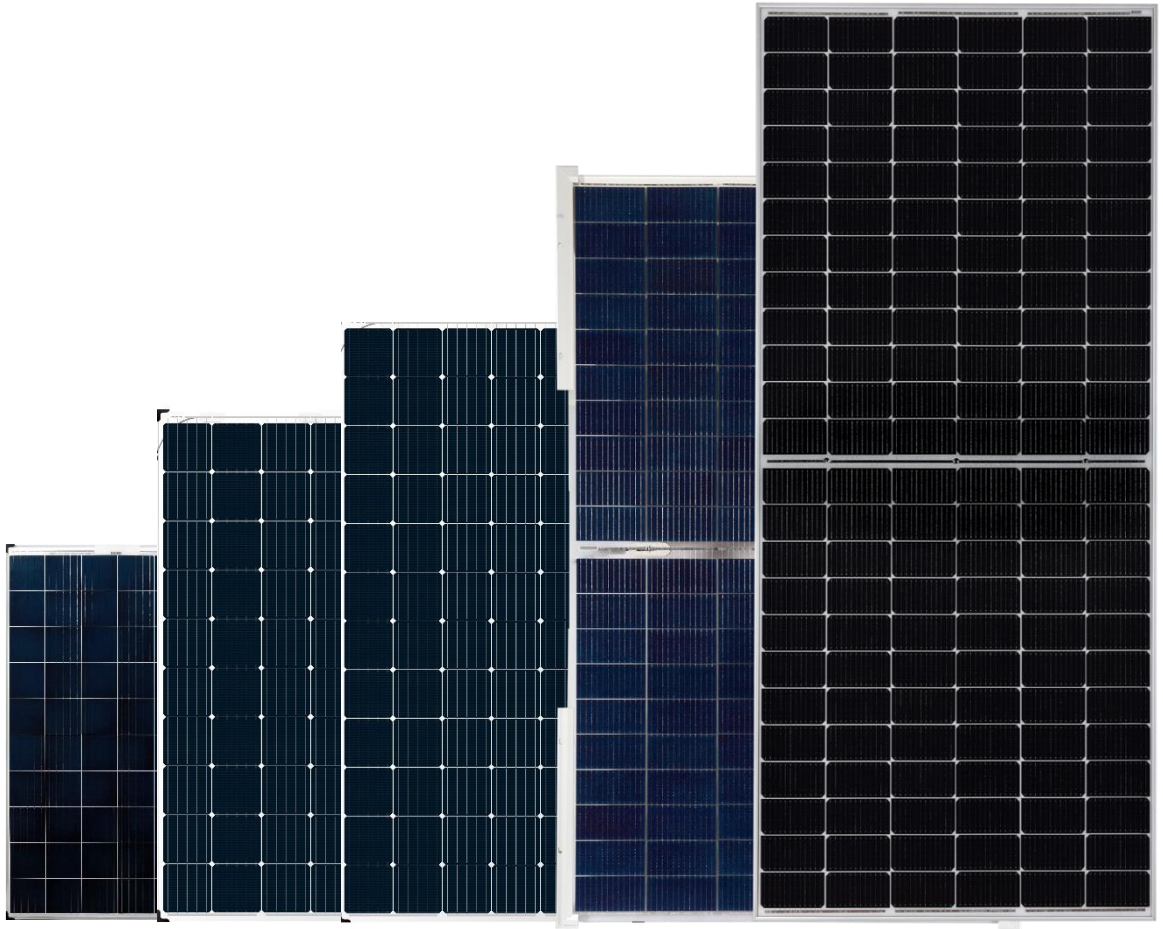


- Using **156 / 158mm** silicon wafer, with **mono PERC/ poly PERC/ cast-mono** cell. All here, all powerful.
- Advanced **half-cell** technology and lower module Pmax temperature coefficient. Power output can increase **5W~10W**.
- **12-year** product warranty, **25-year** performance warranty.

HiPerforma Series

The FUTURE Has Come.

- More electricity generation with an **158.75 mono PERC** cell design while peak power can reach to **400W+**.
- P-type and N-type **bifacial cell**, increasing **25%-30%** power generation.
- Achieving no covering on backside with **split-type junction box** design.
- **12-year** product warranty **30-year** linear performance warranty



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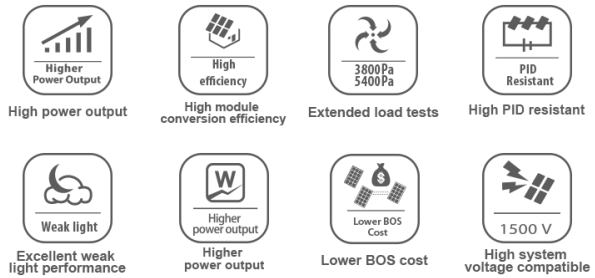
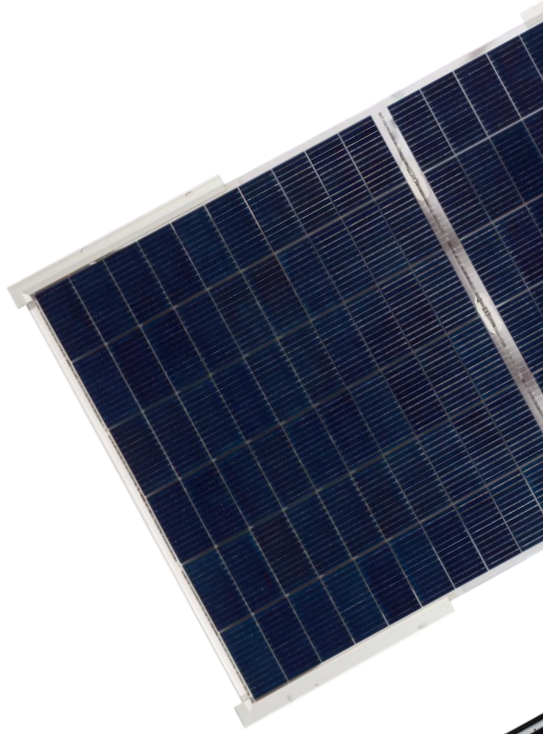
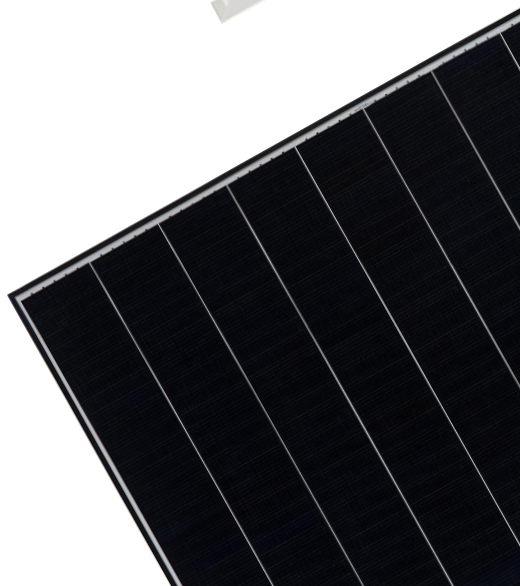
HiPower Series

More POWER. Low LCOE.



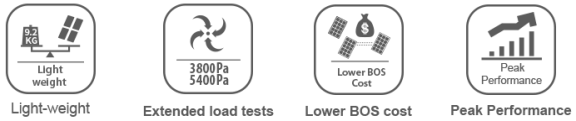




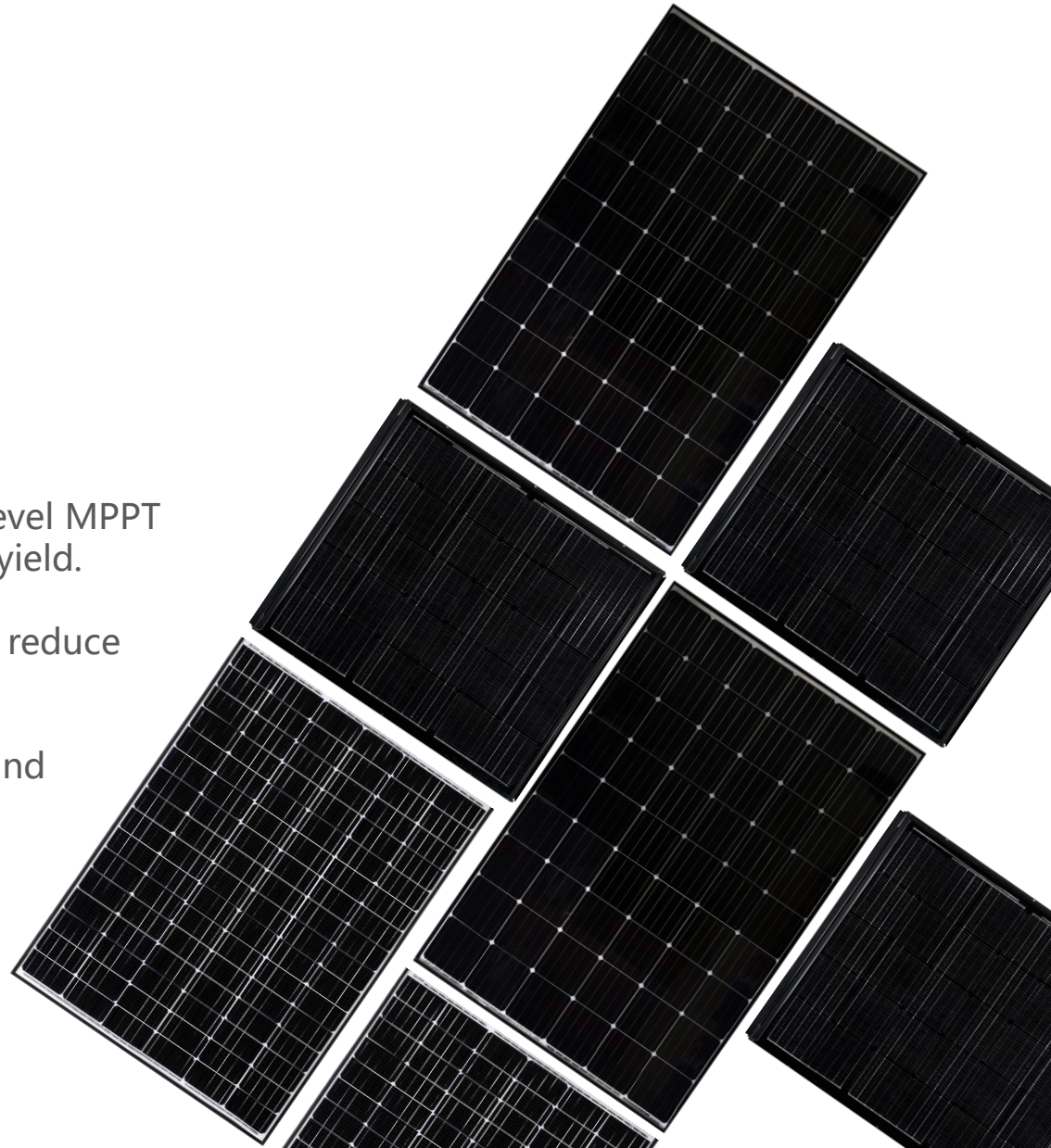
- Using **166mm+** silicon wafer, with **PERC** and **half cell** technology, the power output can increase **10W~15W**.
- Excellent anti-PID performance, with transparent backsheet.
- **9BB** plus half-cell technology reduce resistive loss with lower operating current.
- Higher energy yield with lower BOS cost

HiSpec Series

FELXBLE For Every-Scene.



- Achieving technology breakthrough on cell string-level MPPT to get low BOS cost and guarantee maximal power yield.
- Only **2 mm** thickness glass, with thinner frame, can reduce **30%** of modules weight.
- Specializing in the research of shingle technology and **210mm** cells, solar the future.



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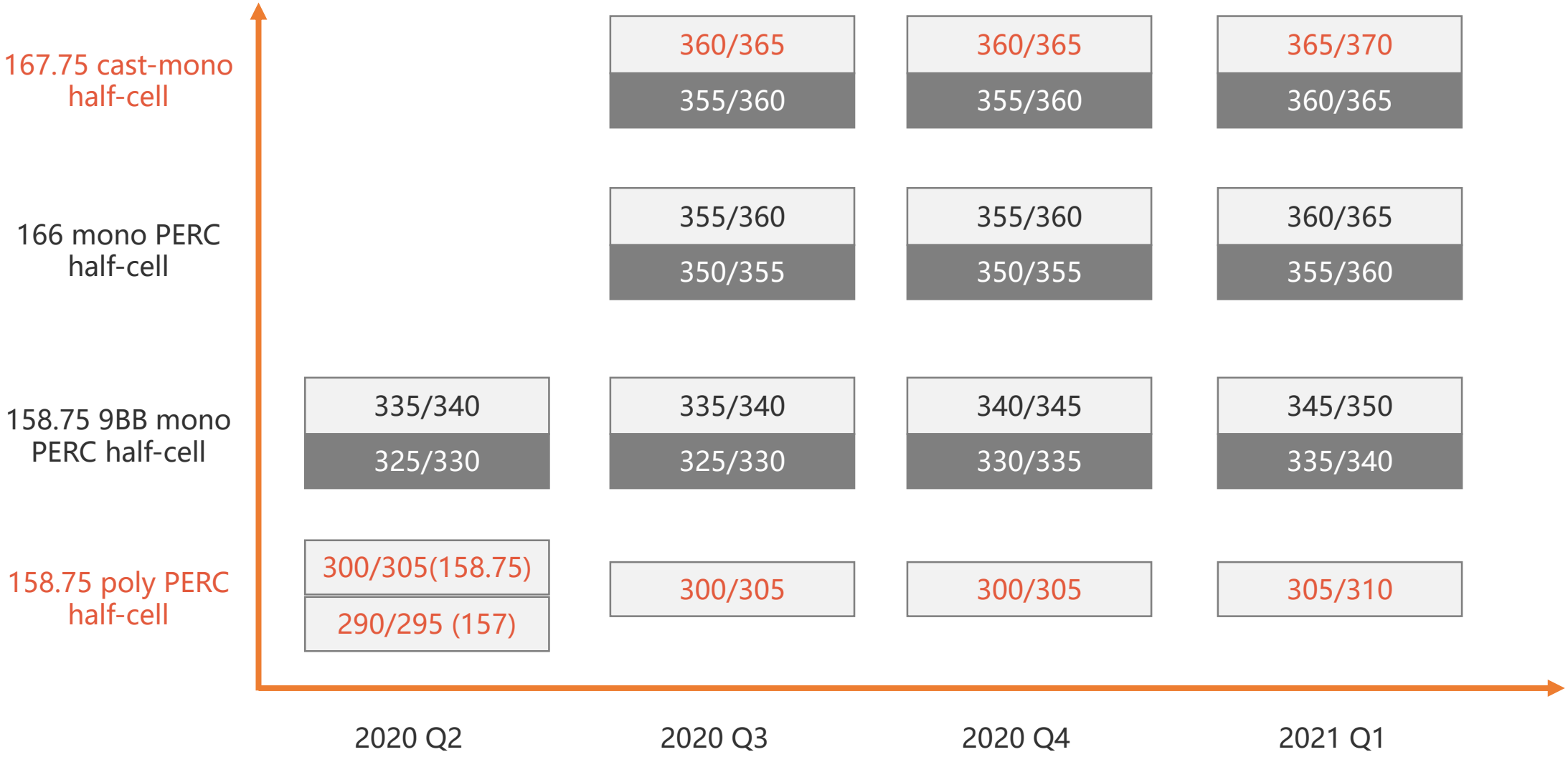
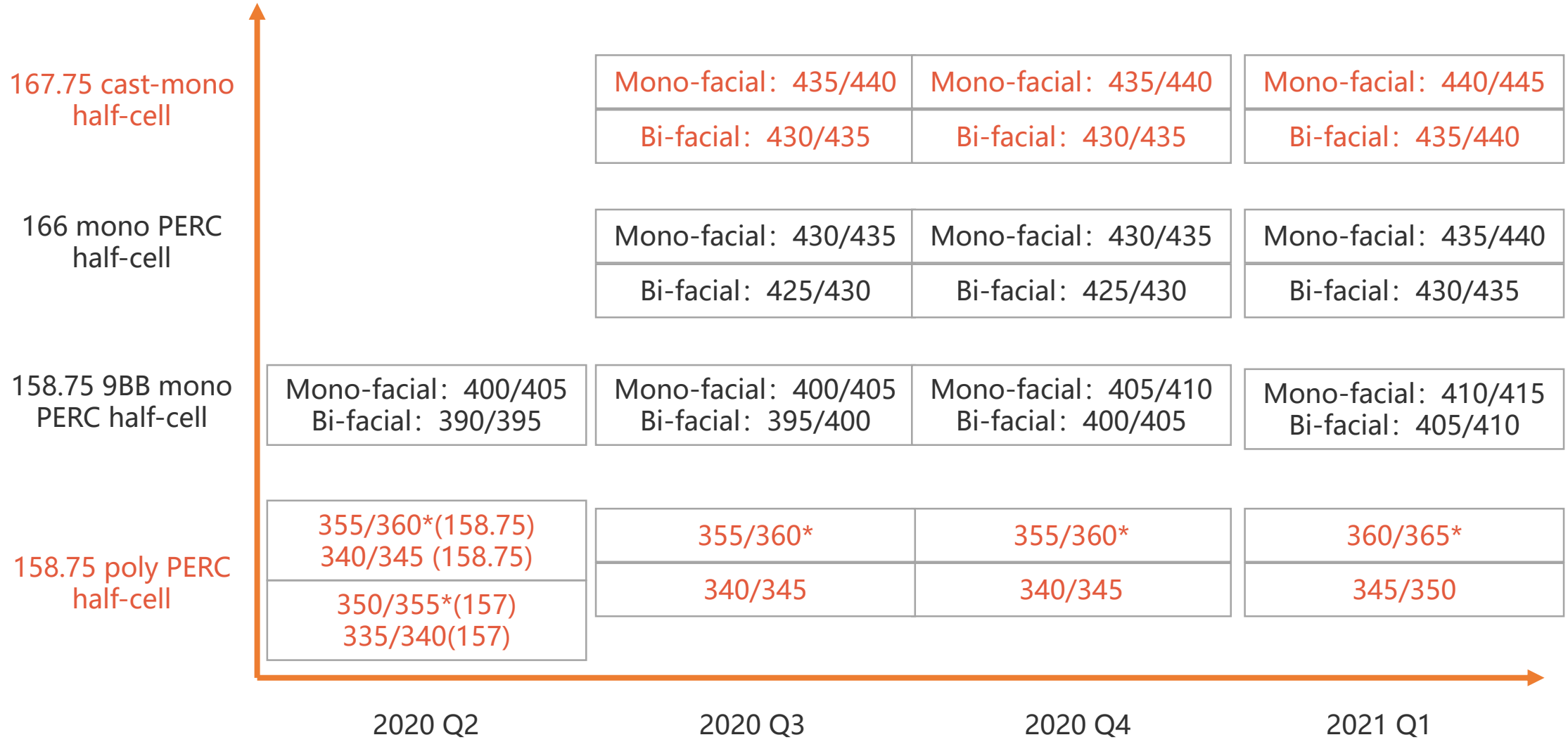
MAIN OUTPUT– COMMERCIAL



MAIN OUTPUT – UTILITY



时间证明选择

GLOBAL PARTNERS

Stand the Test of Time

York Solar Farm

The UK’s largest and most technically advanced bifacial PV modules project

Project location：York·UK
Project capacity：34.7MWp
Product type：STP380s-72/Pfh
Completed time：2019

Iberdrola Solar Power Plant

SUNTECH

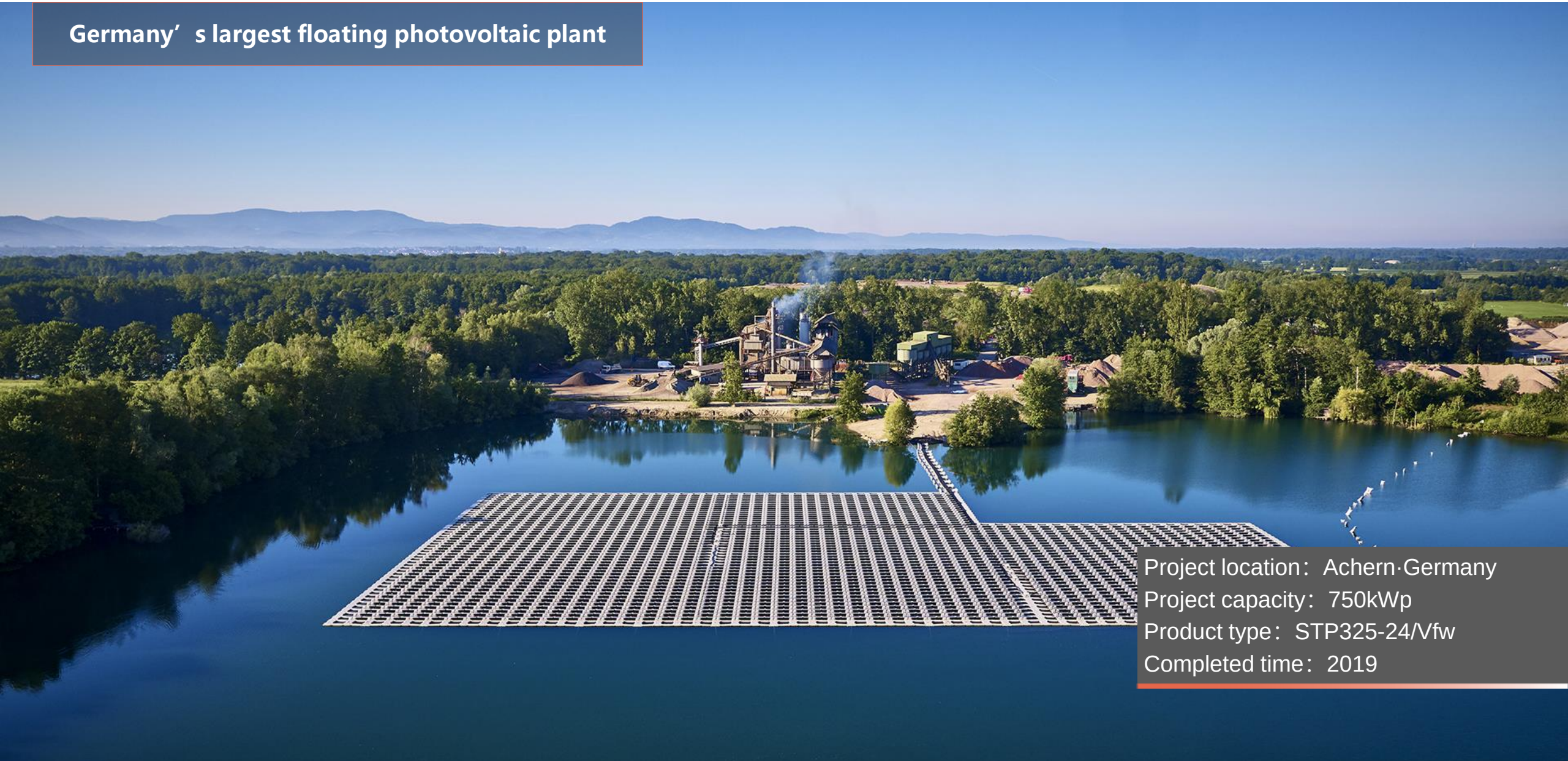
Europe’ s largest PV project

Project location： Extremadura · Spain
Project capacity： 500 MW (Suntech supplied 100MW)
Product type： STP 330-24/Vfw
Completed time： 2019

Baggersee Maiwald Floating Solar Power Plant

SUNTECH

Germany’ s largest floating photovoltaic plant



Project location：Achern·Germany
Project capacity：750kWp
Product type：STP325-24/Vfw
Completed time：2019

Pavagada Solar Park Power Plant

The largest established half-cell solar power station in the world

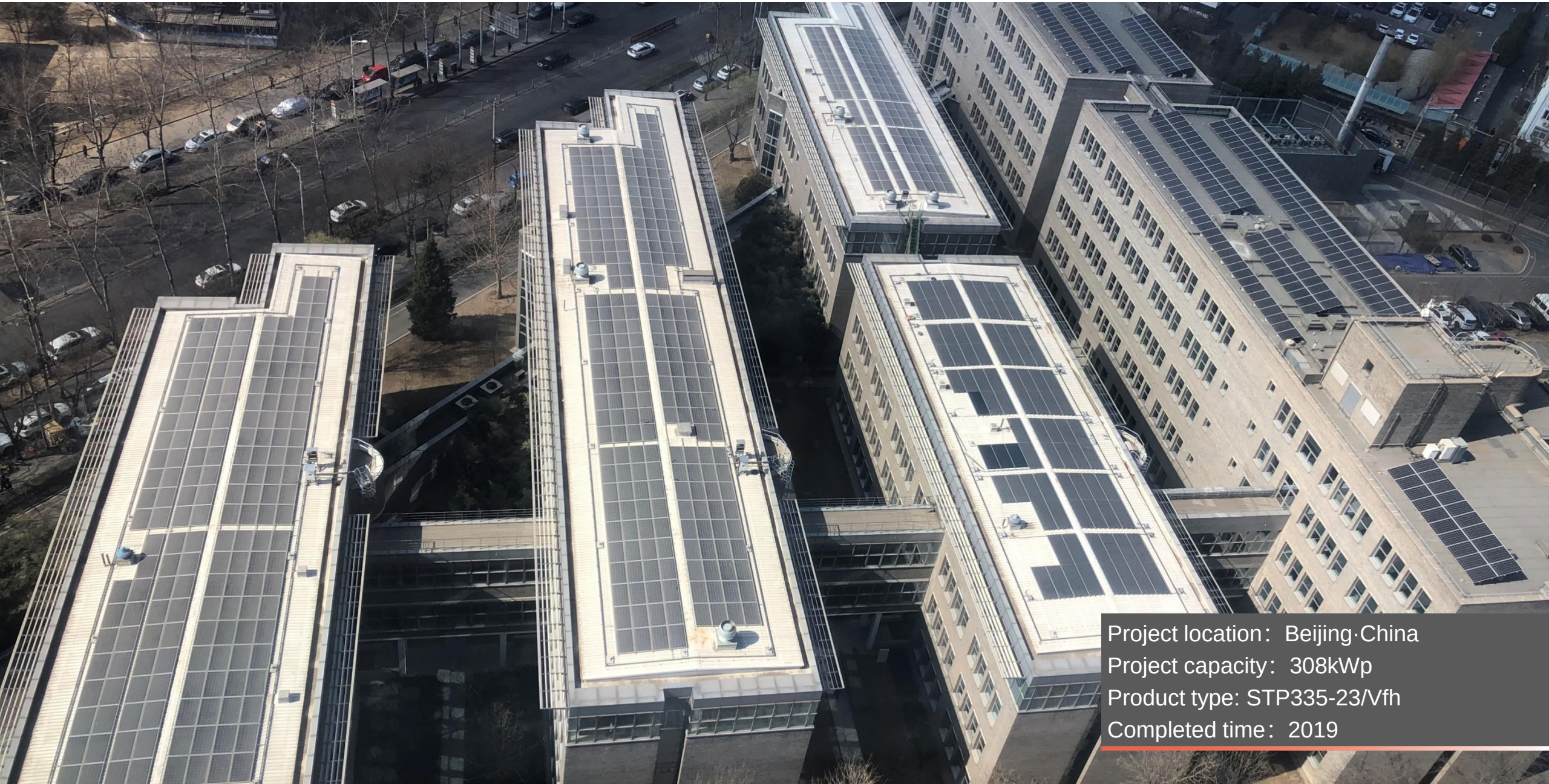
Project location: Tumakuru,Karnataka·India
Project capacity: 210MWp
Product type: STP335-24/Vfh
Completed time: 2019

Agadyr Power Plant

Project location：Karaganda·Kazakhstan
Project capacity：50MWp
Product type：STP330-24/Vfj+ (DG)
Completed time：2019

Shell Moerdijk Solar Park Power Plant

SIEMENS Asia-pacific Headquarter’s Rooftop Project



Enlight Kramim Power Plant

Zavodskaya Power Plant

Adani 222.5 MW Power Plant

Project location：Tamil Nadu·India
Project capacity：222.5MWp
Product type：STP320-24/Vem
Completed time：2016

Sydney Opera House Rooftop Project

Project location：Sydney·Australia
Project capacity：384KWp
Completed time：2012

Olympic Bird Nest Stadium BIPV Project

Project location： Beijing·China
Project capacity： 130KWp
Product type： STP260S-24/Vb
Completed time： 2008

San Francisco International Airport Rooftop Project

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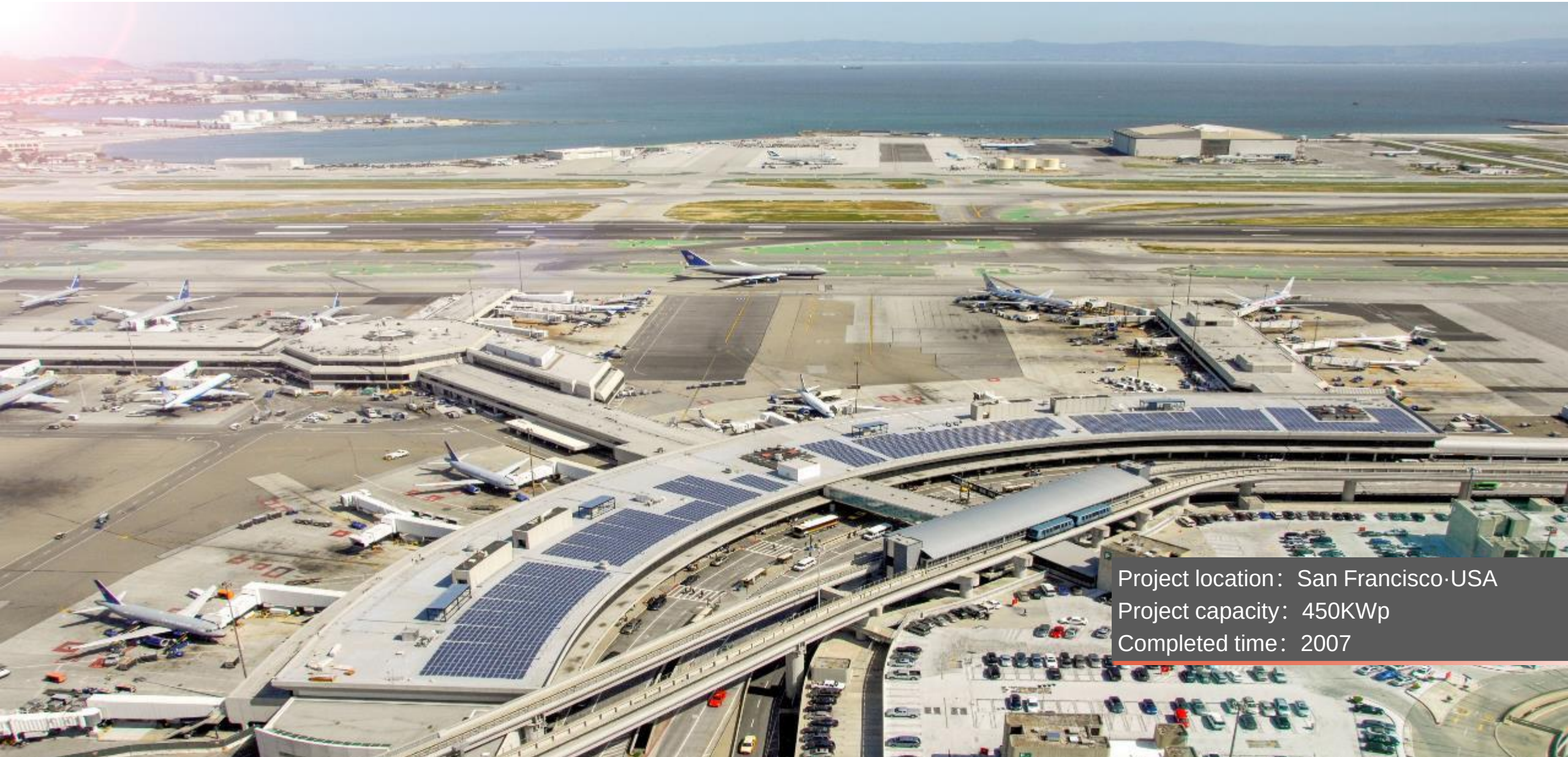

Project location：San Francisco·USA
Project capacity：450KWp
Completed time：2007

Finow Power Plant

Masdar Power Plant

Project location：Abu Dhabi· UAE
Project capacity：10MWp
Suntech supply 5MWp
Completed time：2009

Desert & Dust Area

Gunkul Power Plant

Zehei village Poverty Alleviation Project

Kowa Elementary School BIPV Project

Suntech Headquarter BIPV Project

Project location：Wuxi ·China
Project capacity：710KWWp
Completed time：2008

BIPV Project


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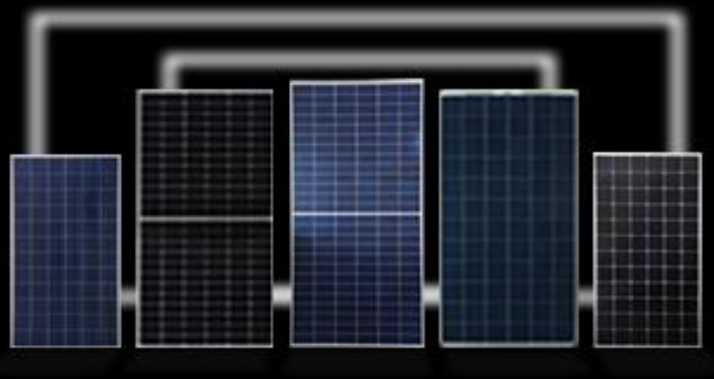
Thank You



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