

# JEDDAH

trading est



## Our Goals

Renewable energy technology is localizedFor the global

Trend of increasing clean sharing energy as an ideal

Alternative to traditional energy and solar energy

Can be used directly in the operation of solar heaters and

Lighting poles, Irrigation pumps or solar water pumping

**Green Energy (Hydrogen)**

Hydrogen contains nearly three times as much energy as it contains

fossil fuels, making them more efficient, according to an article published by

Columbia Climate College.

You can also think of it as an electricity multiplier - with some water and

A little electricity,

You can generate more electricity or heat. It is also widely available.

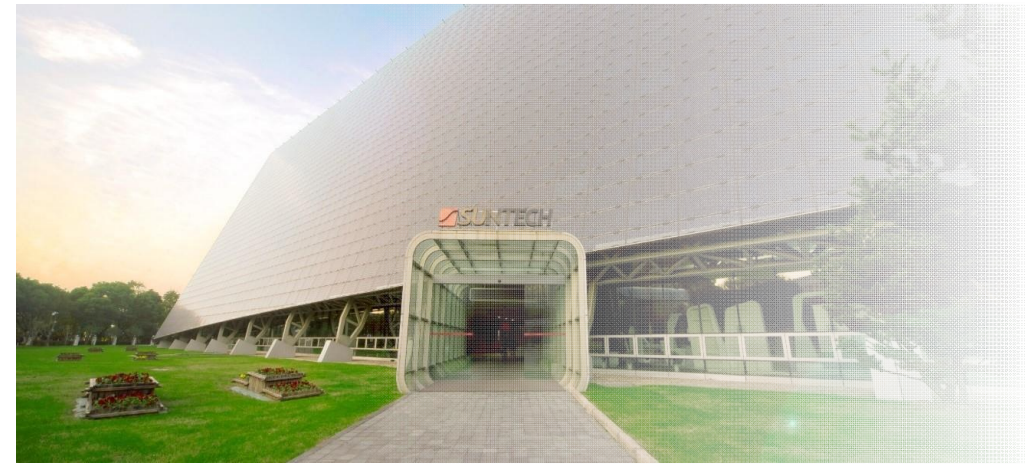
Globally, about 120 million tons of hydrogen are produced annually.

Most of it using fossil gas and coal, which together

Account for 95% of global production



# COMPANY PROFILE



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## A GLOBAL LEADING SOLAR PROVIDER

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Jeddah, founded in 2001, as a famous photovoltaic manufacturer in the world, is devoted to the R & D and the production of crystalline silicon solar cells and modules for 22 years. The company has its sales areas spread all over more than 100 countries and regions in the world, and the cumulative historical shipments exceeded 40 GW.

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

 **22 Years**  
Experience in manufacturing PV modules

 **40 GW+**  
Global cumulative shipments

 **600+**  
Authorized patents

 **100+ Countries**  
Worldwide business footprints



# MILESTONES

**2001**

Jeddah was founded in Wuxi, China

**2002**

Jeddah initiated its first 10 MW production line with the capacity equivalent to China's total PV cell production in the previous 4 years

**2005**

Jeddah launched its initial public offering (IPO) on the New York Stock Exchange

**2006**

Jeddah acquired MSK Corporation, one of Japan's largest PV manufacturers and its production capacity expanded to 300 MW

**2008**

Annual production capacity reached 1 GW  
Jeddah Photovoltaic Technology Research Institute established

**2011**

Annual module shipments more than 2.1 GW worldwide, which made Jeddah 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 Wuxi Jeddah Power Co., Ltd.

**2015**

Jeddah was rated as a Tier 1 module supplier by Bloomberg

**2018**

Annual module shipment exceeded 3 GW, ranking among the Top 10 in global shipments

**2020**

Jeddah Changzhou's annual module capacity exceeded 10 GW/year.

**2021**

Jeddah built a 2 GW digital TOPCon high-efficiency cell factory

**2022**

Established Chuzhou base with capacity of 10 GW



# GLOBAL DISTRIBUTION

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



Jeddah Wuxi base



Jeddah Chuzhou base



Jeddah Changzhou base




Jeddah Suzhou base








**SUFFICIENT CAPACITY  
FOR YOUR DEMAND**

 **16.5+25 GW+**

16.5 GW Solar Cell Capacity  
25 GW Solar Module Capacity

Group Capacity

-  WUXI: 2GW Solar Cell + 8GW Solar Module
-  CHANGZHOU: 4.5GW Solar Cell + 7GW Solar Module
-  CHUZHOU: 10GW Solar Module
-  SUZHOU at ANHUI: 10GW Solar Cell (Plan)

# GROWING SHIPMENT

**Top 10 Module Suppliers in 2021**  
(by shipment volume)

Rank	Module Supplier
1	
2	
3	
4	
5	
6	
7	
8	Suntech Power
9	
10	

ranks ↓  
**NO.8**

**45%**  
Europe



- China
- Europe
- South Asia
- Latin America
- Other Regions
- Middle East and Northern Africa
- East Asia

© Solar Media, Ltd. 2022  
Source: PV Manufacturing & Technology  
Quarterly report, November 2021  
release; updated January 2022.

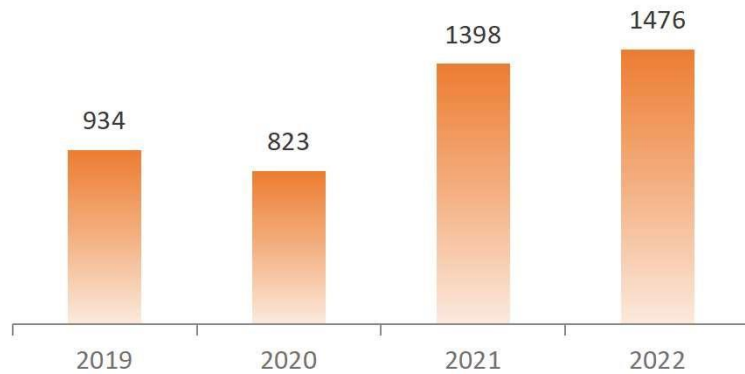


# TRUSTWORTHY FINANCE SUSTAINABLE GROWTH

## Annual Revenue

(Y2019-Y2022)

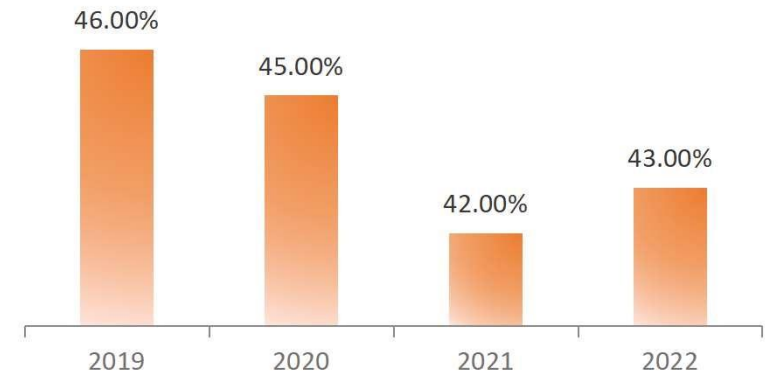
Revenue (Unit: million USD)



## Asset-liability Ratio

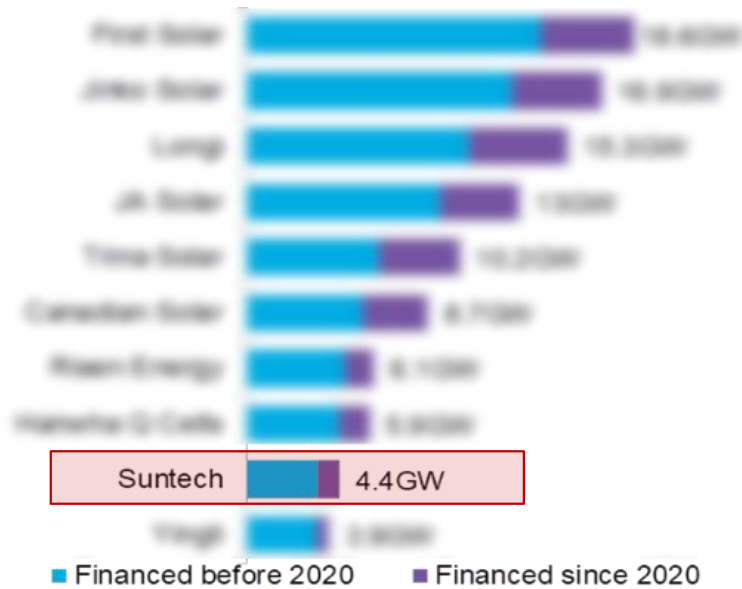
(Y2019-Y2022)

Revenue (Unit: million USD)

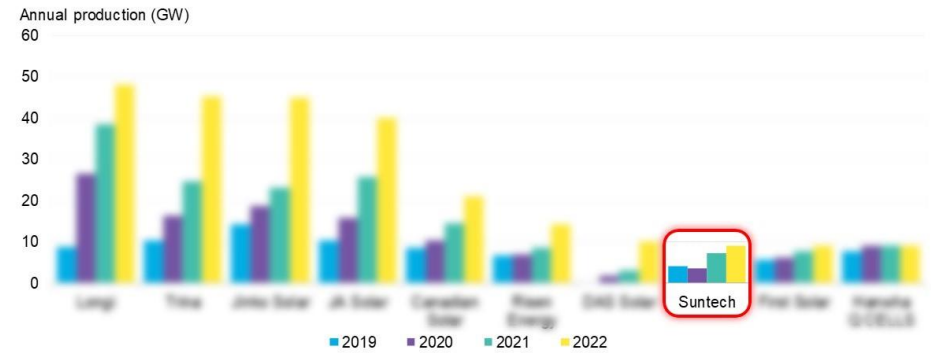




# SUPERIOR BANKABILITY LEADING INNOVATION



## Top 10 module manufacturers by annual module production



Source: BloombergNEF.

7 May 19, 2023

BloombergNEF

Jeddah is in the list of Top 15 BloombergNEF's PV module bankability results and ranks Tier 1 by BNEF in the long term. Source: Solar Module & Inverter Bankability 2020 by BloombergNEF

# SUPERIOR BANKABILITY LEADING INNOVATION



Jeddah is a component manufacturer that has obtained the financing ability certificate from Black&Veatch.

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

The excellent quality, stable customer group and healthy financial situation enable Jeddah to have superior and strong financing capacity.



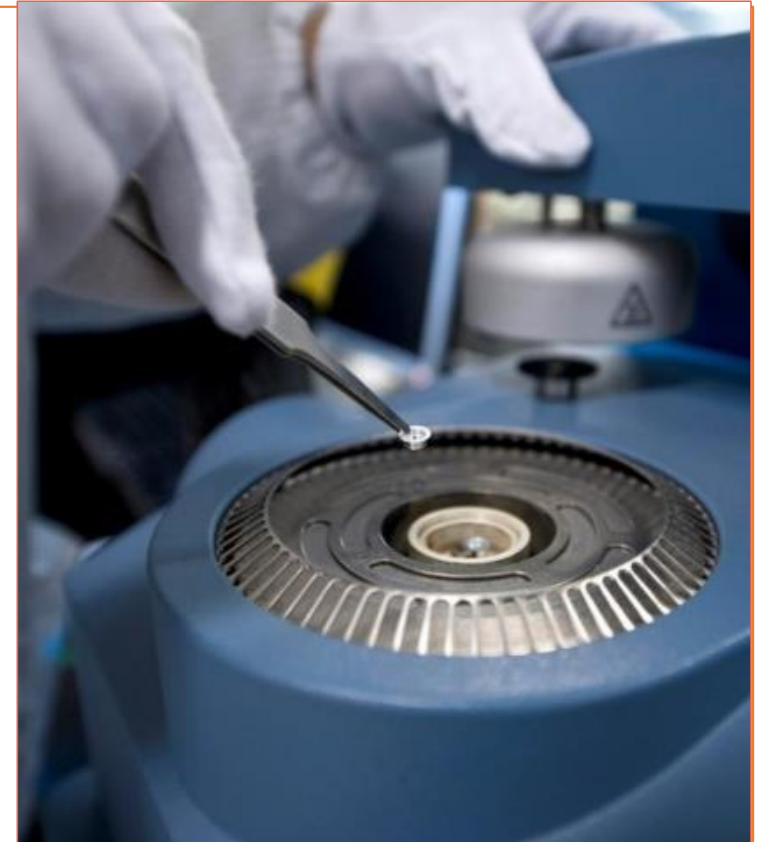
- Automatic Manufacturing
- Real-time Interaction Systems
- Traceability
- Digital Smart Factory



From manufacturing to  
intelligent manufacturing



## MORE THAN RELIABILITY



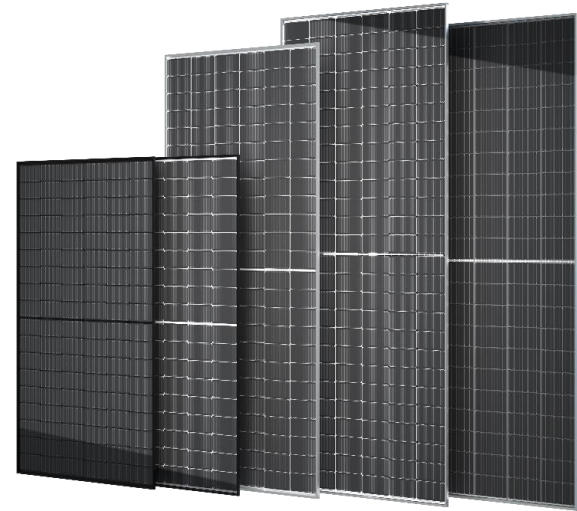
- Jeddah is fully certified by professional third party testing organizations.
- Jeddah is ranked as TOP Performer for a 5<sup>th</sup> year in the 2022 PV Module Reliability Scorecard, published by PVEL in the partnership with DNV-GL.

To ensure each Jeddah 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.

# GLOBAL PARTNERS



## PRODUCT INTRODUCTION :



## Efficient Lightweight N-type TOPCon Glass-glass Module

Module type	C54/Nshtb+	C54/Nshkm+
Power/W	405-425	420-440
Cell Technology	TOPCon	TOPCon
First year power degradation	1%	1%
Annual degradation	0.40%	0.40%
Dimensions/mm	1722 × 1134 × 30	1722 × 1134 × 30
Weight/kg	21.0	21.0

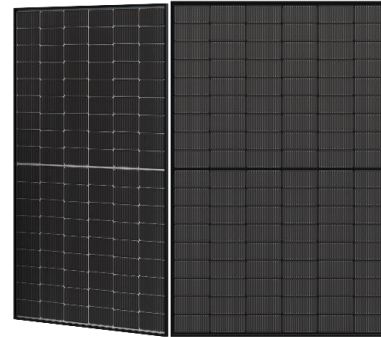


**25** years of product warranty

**30** years of linear warranty

## Distribution

Commercial/Industrial/Residential

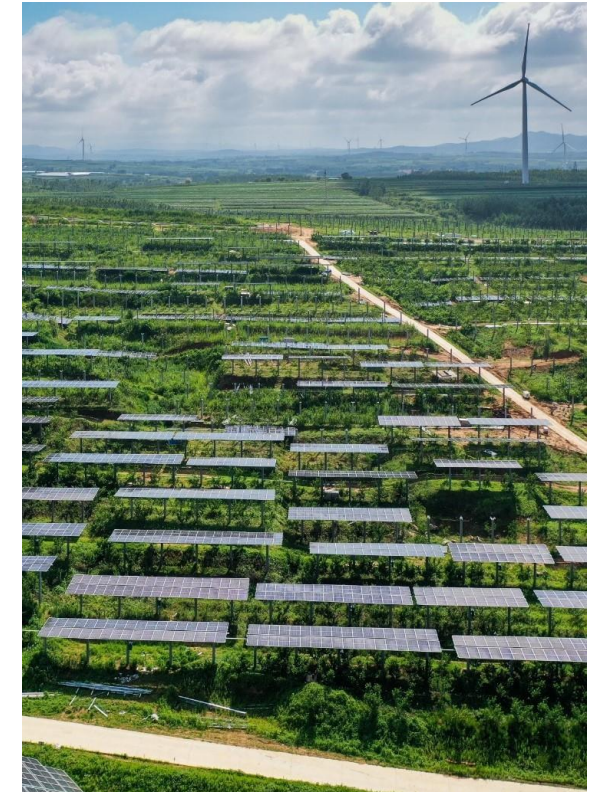
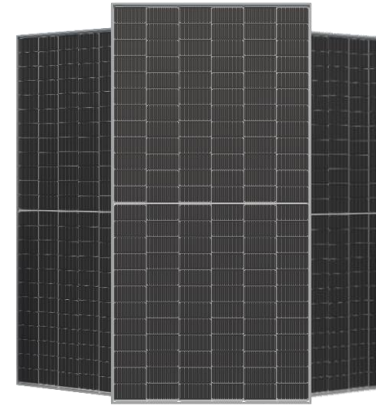


Module type	Power (W)	Cell technology	First year power degradation	Annual degradation	Dimensions (mm)	Weight (kg)
C54/Nshb	410-430	TOPCon	1%	0.40%	1722 × 1134 × 30	21.0
C54/Nshm	420-440	TOPCon	1%	0.40%	1722 × 1134 × 30	21.0
C54/Umhb	390-410	PERC	2%	0.55%	1722 × 1134 × 30	21.0
C54/Umhm	395-415	PERC	2%	0.55%	1722 × 1134 × 30	21.0



# Utility

## Solar Power Plant

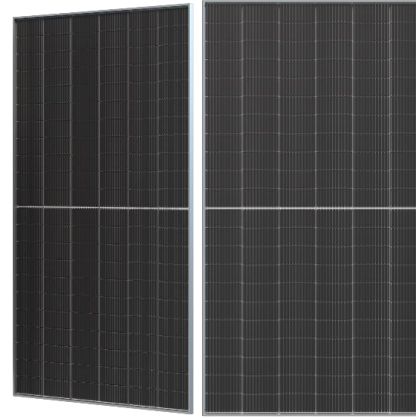


Module type	Power (W)	Cell technology	First year power degradation	Annual degradation	Dimensions (mm)	Weight (kg)
※ C72/Nsh+	565-585	TOPCon	1%	0.40%	2278 × 1134 × 30	32.0
C72/Nsh	565-585	TOPCon	1%	0.40%	2278 × 1134 × 30	27.5
C72/Vmh	540-560	PERC	2%	0.55%	2278 × 1134 × 30	27.5
※ C72/Pmh+	535-555	PERC	2%	0.45%	2278 × 1134 × 30	32.0

※ Glass-glass module

# Utility

## Solar Power Plant



Module type	Power (W)	Cell technology	First year power degradation	Annual degradation	Dimensions (mm)	Weight (kg)
D66/Wmh	655-675	PERC	2%	0.55%	2384 × 1303 × 35	33.5
* D66/Pmh+	650-670	PERC	2%	0.45%	2384 × 1303 × 35	37.5
* C78/Nsh+	615-635	TOPCon	1%	0.40%	2465 × 1134 × 35	35.1
* C78/Pmh+	575-595	PERC	2%	0.45%	2465 × 1134 × 35	35.1

\* Glass-glass module

## CASE COLLECTION

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## UAE Al Dhafra PV2 Solar Power Plant Project



Project location: Al Dhafra, UAE  
Project capacity: 2100 MW  
Completed time: 2023

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# Yellow River Hydropower Daqing Base Power Plant Project



Project location: Heilongjiang Daqing·China  
Project Capacity: 200 MW  
Completed time: 2022

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# Linyang Baoding City Shunping Power Plant Project



Project location: Jiangsu Linyang Baoding City·China  
Project capacity: 200 MW  
Completed time: 2021

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# Ningxia Weigang Guokai New Energy Centralized Procurement



Project location: Ningxia·China  
Project capacity: 400 MW  
Completed time: 2020

## Japan Kanzaki Power Plant



Project location: Kanzaki·Japan  
Project capacity: 3.24 MW  
Completed time: 2020

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## Setta Solar Power Plant



Project location: Pernambuco, Brazil  
Project capacity: 1.5 MW  
Completed time: 2020

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## Kimberly Droogfontein Solar Power Plant



Project location: South Africa  
Project capacity: 250 MW  
Completed time: 2019

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## Iberdrola Solar Power Plant



Project location: Extremadura · Spain  
Project capacity: 500 MW  
Completed time: 2019

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## Pavagada Solar Power Plant



Project location: Tumakuru, Karnataka, India  
Project capacity: 210 MW  
Completed time: 2019

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## Agadyr Solar Power Plant



Project location: Karaganda-Kazakhstan  
Project capacity: 50 MW  
Completed time: 2019

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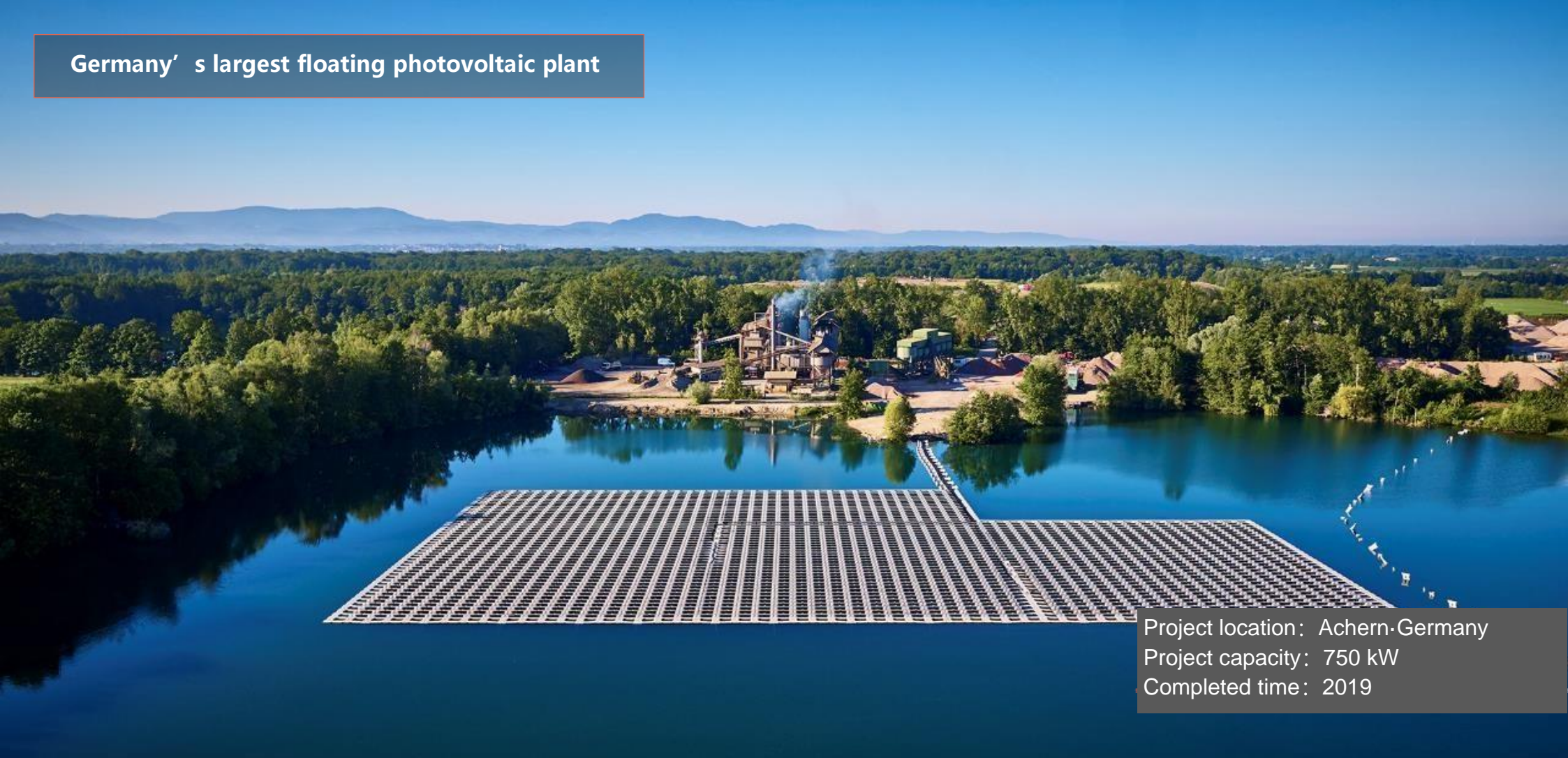


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# Baggersee Maiwald Floating Solar Power Plant

Germany' s largest floating photovoltaic plant



Project location: Achern-Germany  
Project capacity: 750 kW  
Completed time: 2019

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## Sydney Opera House Rooftop Project



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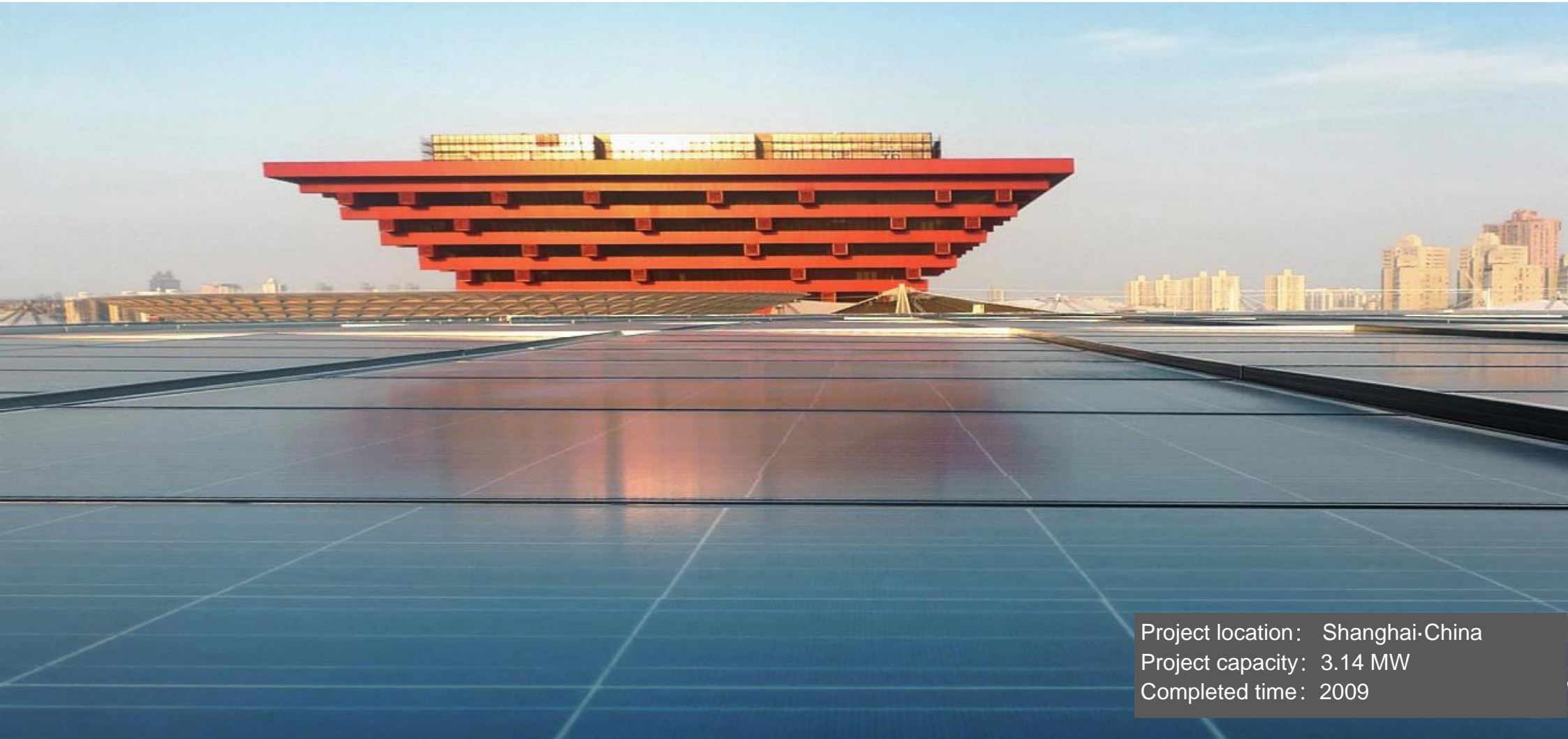
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## Expo China Pavilion Project



Project location : Shanghai·China  
Project capacity : 3.14 MW  
Completed time : 2009

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## Olympic Bird Nest Stadium BIPV Project



Project location : Beijing·China  
Project capacity : 130 kW  
Completed time : 2008

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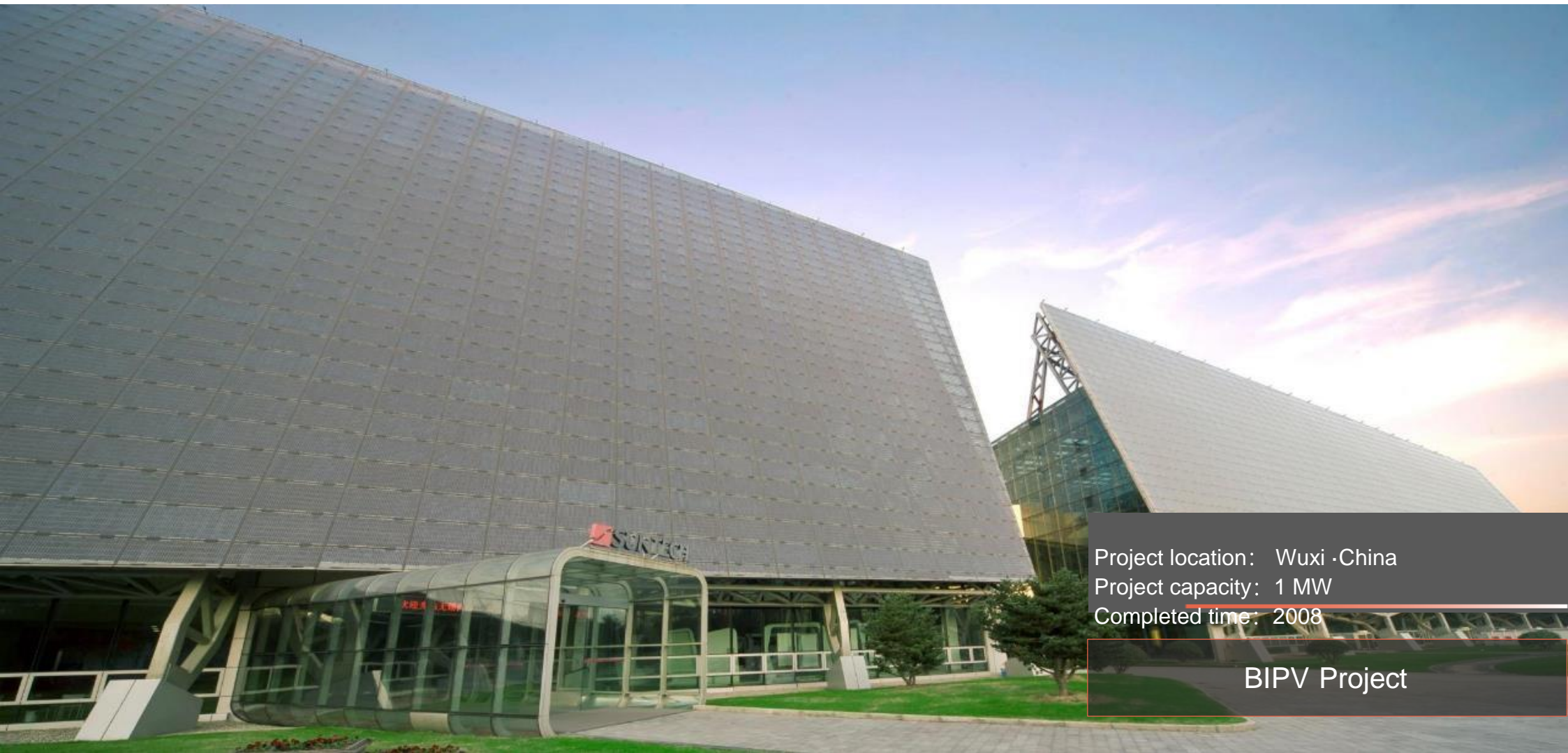
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## Suntech Headquarter BIPV Project



Project location: Wuxi · China  
Project capacity: 1 MW  
Completed time: 2008

BIPV Project

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## San Francisco International Airport Rooftop Project



Project location : San Francisco-USA

Project capacity : 450 kW

Completed time : 2007

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