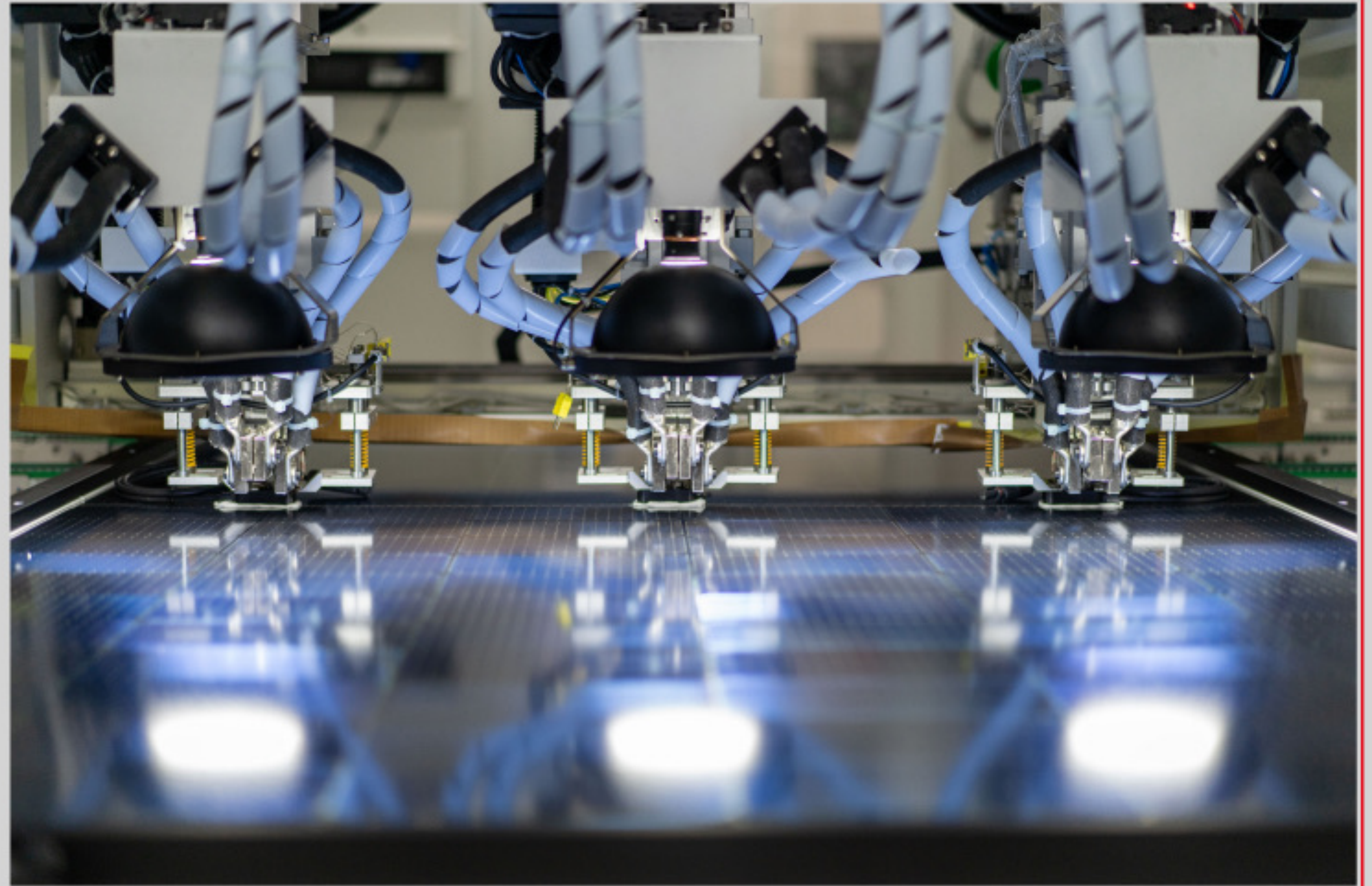


Tier 1
BloombergNEF

ONE OF TOP 50 MOST BANKABLE
MODULE SUPPLIERS IN THE PV
INDUSTRY

**COMPANY
PRESENTATION**



LUXEN.

EXPERIENCE A COMMITTED PARTNER.



The Mission

90+

regions supplied

6GW

deliveries worldwide

462M

our supply equals to
planting 462 M trees.

8.7M tons

of carbon reduction and
counting

Inspired by nature, we envision a world powered by the sun, where solar panels are not just a choice but a standard. We wish to make clean energy solutions accessible to everyone and transform the way we live, work, and thrive.

From its beginnings, Luxen has been in pursuit of knowledge to engineer efficient solar panels all the while ensuring their accessibility to a broad audience. To this end, we developed advanced, reliable, and high-quality products and became a trusted partner to many clients.

Through continuous innovation, quality testing, and a customer-centric approach, we aim to empower individuals, communities and businesses to embrace a global transition to clean energy.



Global Presence

Luxen's presence in over 90 regions worldwide

Operational HQ: Vienna (Austria)

Production HQ: Nantong (China)

Sales Center: Murcia (Spain)

Sales Center: Kjelce (Poland)

Sales Center: Sao Paulo (Brazil)





Snapshot of Luxen



Up to 20 years product warranty

Luxen stands for a well-established **solar module** manufacturer. We are a stable company producing high-quality solar panels in large volumes and with **strong warranties**. Luxen is a trusted choice in the solar market.



Sustainability

With over **6GW deliveries** spanning over **90 regions worldwide**, we proudly showcase our commitment to renewable energy and preserving the environment. We are committed to making clean energy accessible to all people.



Globalisation

Luxen has a strong international presence and a long track record in the industry. Luxen is selling in China, Europe and Latin America, but also in Asia, Africa and Australia.



Nearly 20 years in the industry

In nearly two decades, we've cultivated a deep understanding of solar technologies, trends, and advancements, embodied in our latest **N-Series technology** products.



500+ employees

Since its establishment in **2005**, Luxen has maintained a steady growth trajectory, today employing more than 500 people in China and Europe. Since 2023 Luxen Solar is a **public company**.

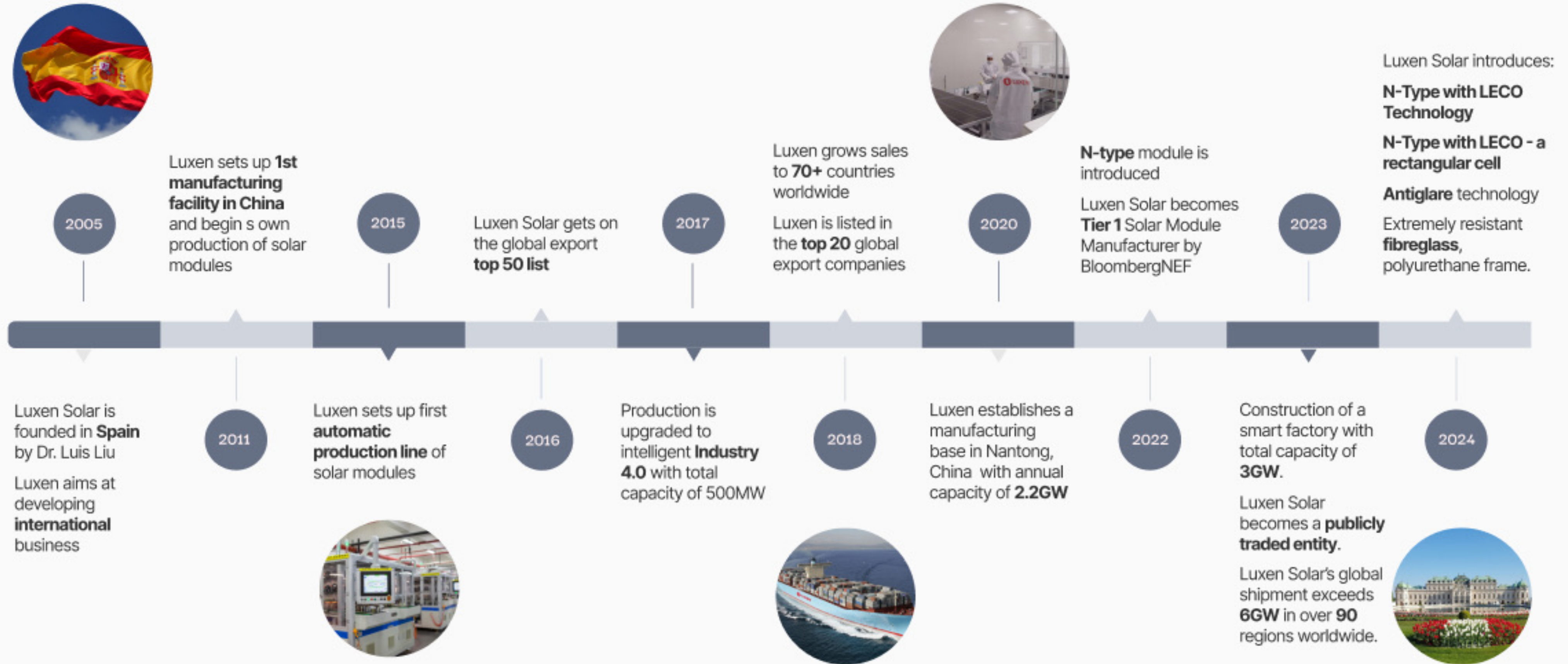


10GW by 2026

From 3GW current capacity, we're actively expanding our capacity to reach **10GW by 2026** in our **4.0 Industry** state-of-the-art production facility. Luxen has **more than 150 patents** in the production technology.



Milestones





Smart Factory



Fully certified 4.0 industry production

Intelligent data analysis

AI

Robotics and automation



Rigorous testing

Advanced testing procedures ensure high performance all year long & long-life span.



24x7 real time monitoring

Round-the-clock monitoring and observation of the manufacturing processes and equipment maintain high production standards.



Artificial intelligence

AI powered inspection eliminates product defects.



150+ patents

Luxen is dedicated to R&D and has more than 150 patented inventions in production technologies and solutions.



Advanced data analysis

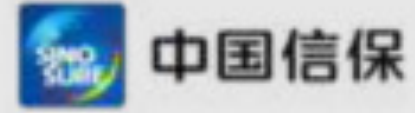
Smart data analytics ensures the optimization of the production process and predictive analysis.



Certificates



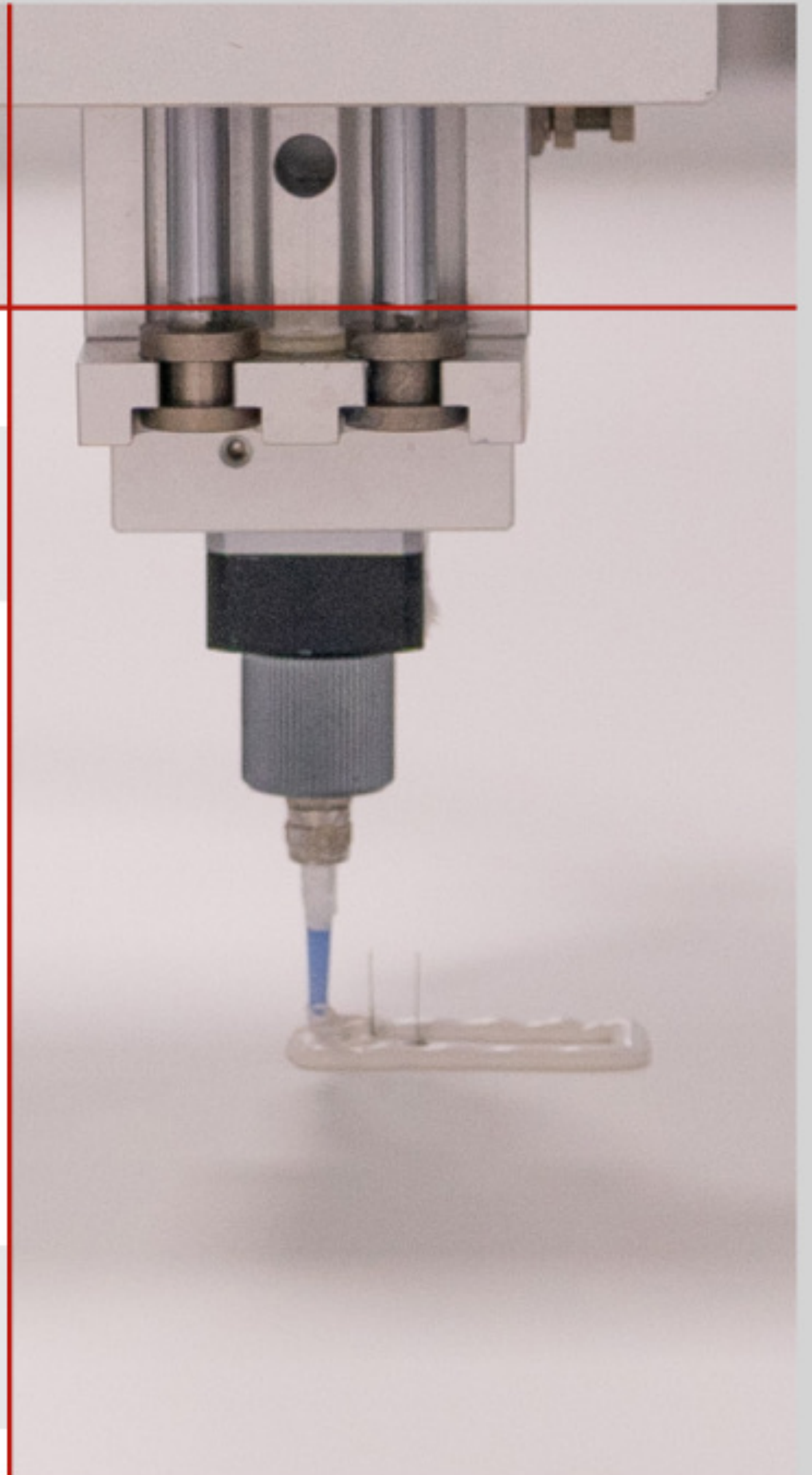
LLOYD'S



CHUBB

Prestigious third-party certifications are the best proof of LUXEN's solar panel quality. Our solar panels have passed the rigorous certification tests led by TUV accreditation agencies and can meet the highest quality requirements from around the world.

To protect the investment of our clients in solar energy and ensure the 25(30)-year use life, our solar panels are strongly backed by the world-class insurance groups such as CHUBB, PICC and Lloyd's to give the maximum quality guarantee to our clients.





N-Type Module Technology

N-Type technology increases the efficiency of N-type solar cells, which can reach **28.7%**.

LUXEN N-Type technology uses glass with a two-layer anti-reflective coating of high transparency, the thickness of the coating is 180 ~ 240 nm. The light transmittance is effectively increased to more than 94.25%, and the bottom layer effectively isolates moisture, thereby effectively increasing the resistance to weather conditions accompanied by high humidity.

Thanks to the application of this new technology, N-Type solar panels are more efficient, more durable and guarantee greater efficiency throughout the year, as well as throughout the lifetime of the panels.



N-Type Module Technology

N-type cells are responsible for **extremely low power losses**, and they reduce PID (Potentially Induced Degradation) and LID (light induced degradation) to a minimum. **First year degradation is only 1%** compared to 2-2.5% with traditional technology.

N-type panels have four great advantages: **higher efficiency**, module **bifaciality increases to 80%+-10%** compared to mono perc 70%, extremely low temperature coefficient **Pmax - 0.29% /°C** (with bifacial and 0.30% /°C with standard N-Type) compared to mono perc - 0.35% /°C, and **generate more electricity in low light conditions** during mornings and evenings.



N-Type vs Standard Modules

550 Wp CONVENTIONAL MODULE



Conventional Mono PERC

Bifaciality: 70%

Pmax coefficient:

- 0.35% /°C (bifacial)
- 0.36% /°C (monofacial)

Frame: classic design

Luxen N-TYPE

Bifaciality: 80% +-10%

Pmax coefficient:

- 0.29% /°C (bifacial)
- 0.30% /°C (monofacial)

Frame:

special design for bearing higher load

Humidity protection:

Special encapsulant as moisture barrier

Higher production in low light conditions in the morning and evening in comparison to Mono PERC.

580 Wp N-Type









Main Brand Honors

more than 15 industry recognitions



2022

One of the most influential
PV module enterprise

2019

Among the top 20 South
American shipments
(customs data and
customer satisfaction)



2022

Among the top 10
distributed PV module
brands in China



2020 - 2021

One of the most Innovative
PV module enterprise

2021

One of the most influential
PV module enterprise in
distributed PV



2022

Among the top 10
Influential Brands in China
PV Industry

ESG Recognitions 2023

National Green Factory for 2023

The highest recognition by the state for contribution in the green industry development

Jiangsu Green Factory for 2023

Local recognition for special achievement in green manufacturing process

Nantong Demonstration Intelligent Workshop 2023

Recognition of intelligent transformation and smart manufacturing





Luxen. Experience a Committed Partner.

Luxen Solar

LUXEN SOLAR ENERGY CO.,LTD.

Operational HQ:
Vienna Technology Center,
Christine-Touaillon-Strasse
11/2.01, 1220 Vienna, Austria

Production HQ:
No. 1, Haiyue Road,
Nantong,
Jiangsu 226000, China

Website/Email:
www.luxensolar.com
europe@luxensolar.at

Tier 1
BloombergNEF

