



the **sunny** side of life



# Why BISOL?

- ▶ VERY respectful history 📌 Since 2004
- ▶ Established and run by technical PhDs 📌 Product excellence at our core
- ▶ Privately owned 📌 Long-term focus
- ▶ Operating profitably, practically debt free 📌 Stable
- ▶ Running production 24/7 📌 Cost optimised
- ▶ Expanding capacity annually, 90+ markets worldwide 📌 Globally proven competitiveness





# Really European

## No tricks:

- ▶ designed
  - ▶ manufactured
  - ▶ handled
  - ▶ certified
  - ▶ supported
- in the heart of Europe.





## Choice of Components

Most rigorous internal testing in climate chamber, until destruction, assuring that only most trusted technical solutions of top-notch quality materials are used.

# Unique Processes

## ▶ Longer lamination

- higher gel content
- better energy yield & lower degradation

## ▶ Cell & module sorting

- according to power, voltage and current
- assuring absolutely minimized mismatch losses





Longer lamination





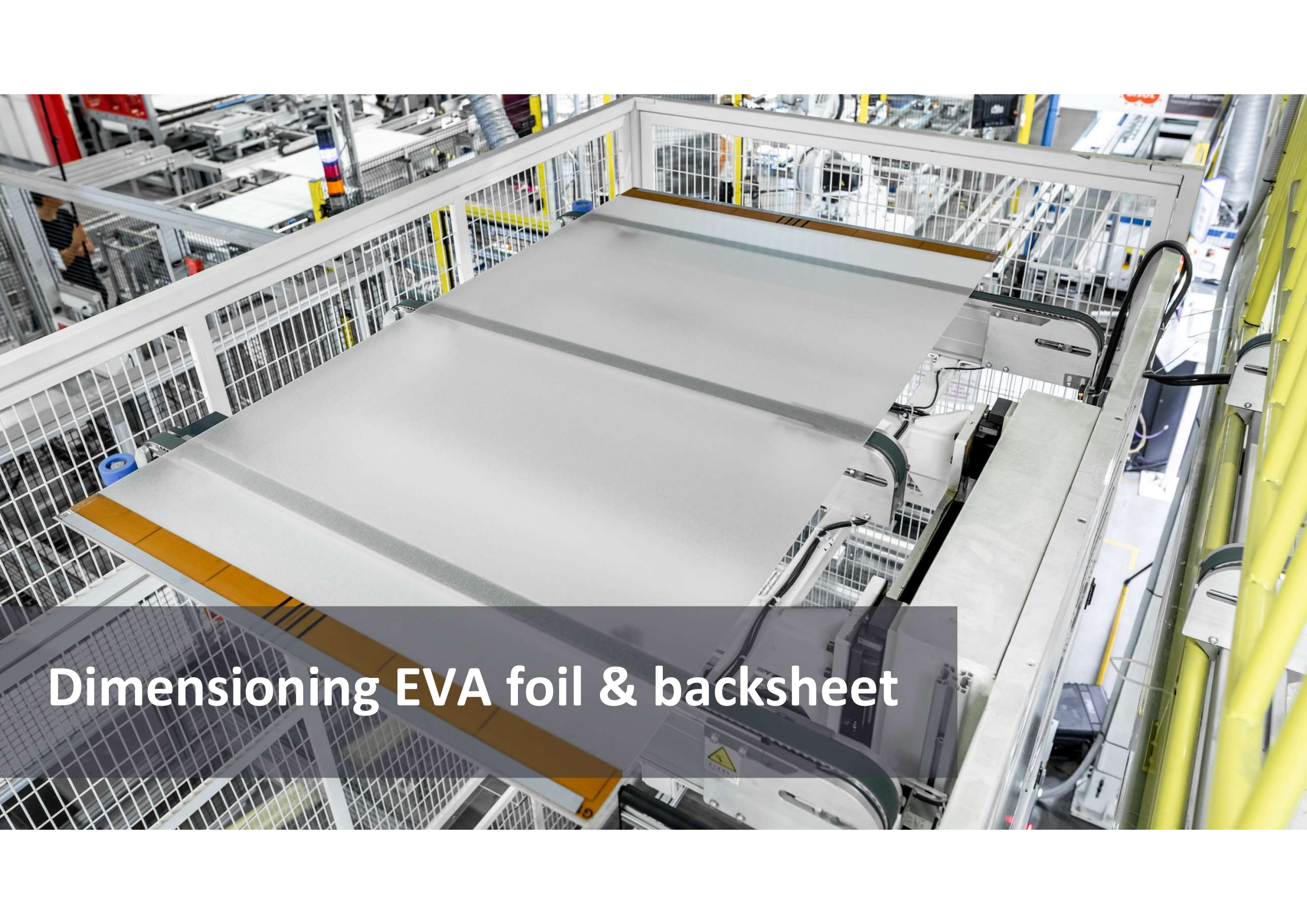
Cell & module sorting



# Meticulously Applied Processes

- ▶ Zero Waste Management System
- ▶ Dimensioning EVA foil and backsheet
- ▶ Silicone application along the whole frame





**Dimensioning EVA foil & backsheet**





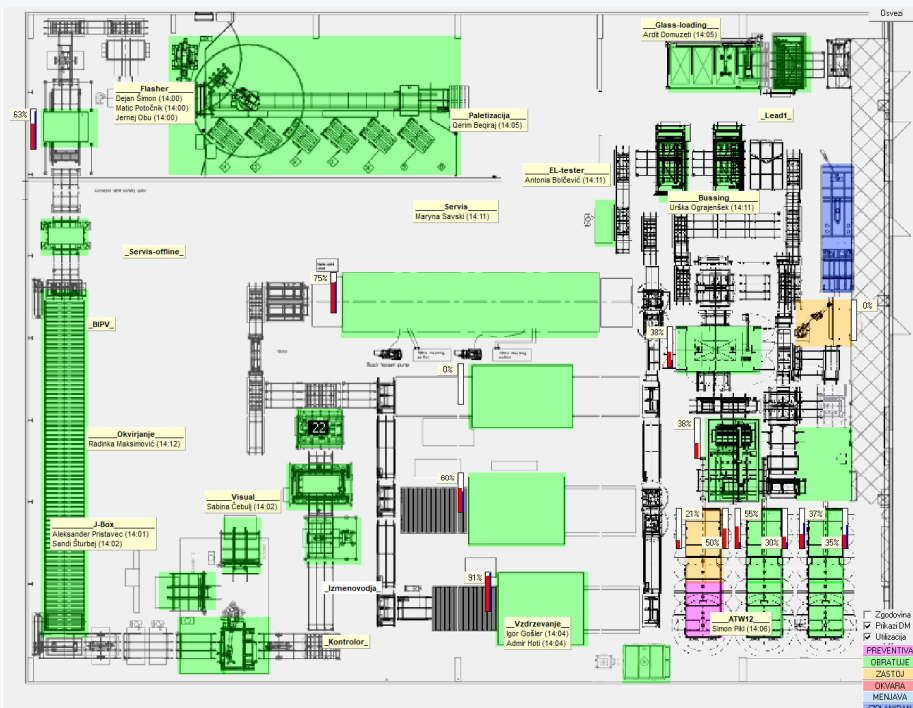
**Silicone application**



# Rigorous Control & Testing

## In-house designed BISOL Tracking System

- **Process control** mirroring highest auto-industry standards:  
Each cent you pay goes to superior product quality not our inefficiencies.



# Rigorous Control & Testing

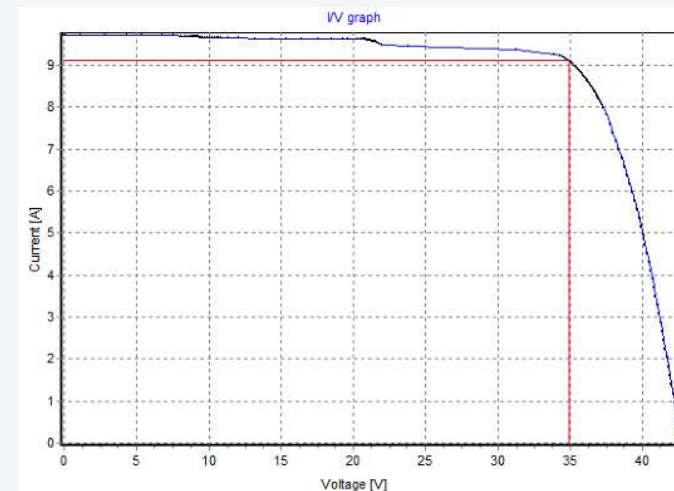
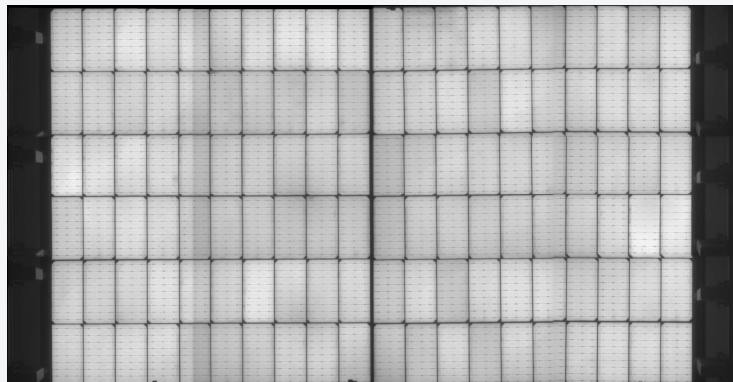
4.0 Industry → implementing 4.1 Industry (Artificial Intelligence)





# Rigorous Control & Testing

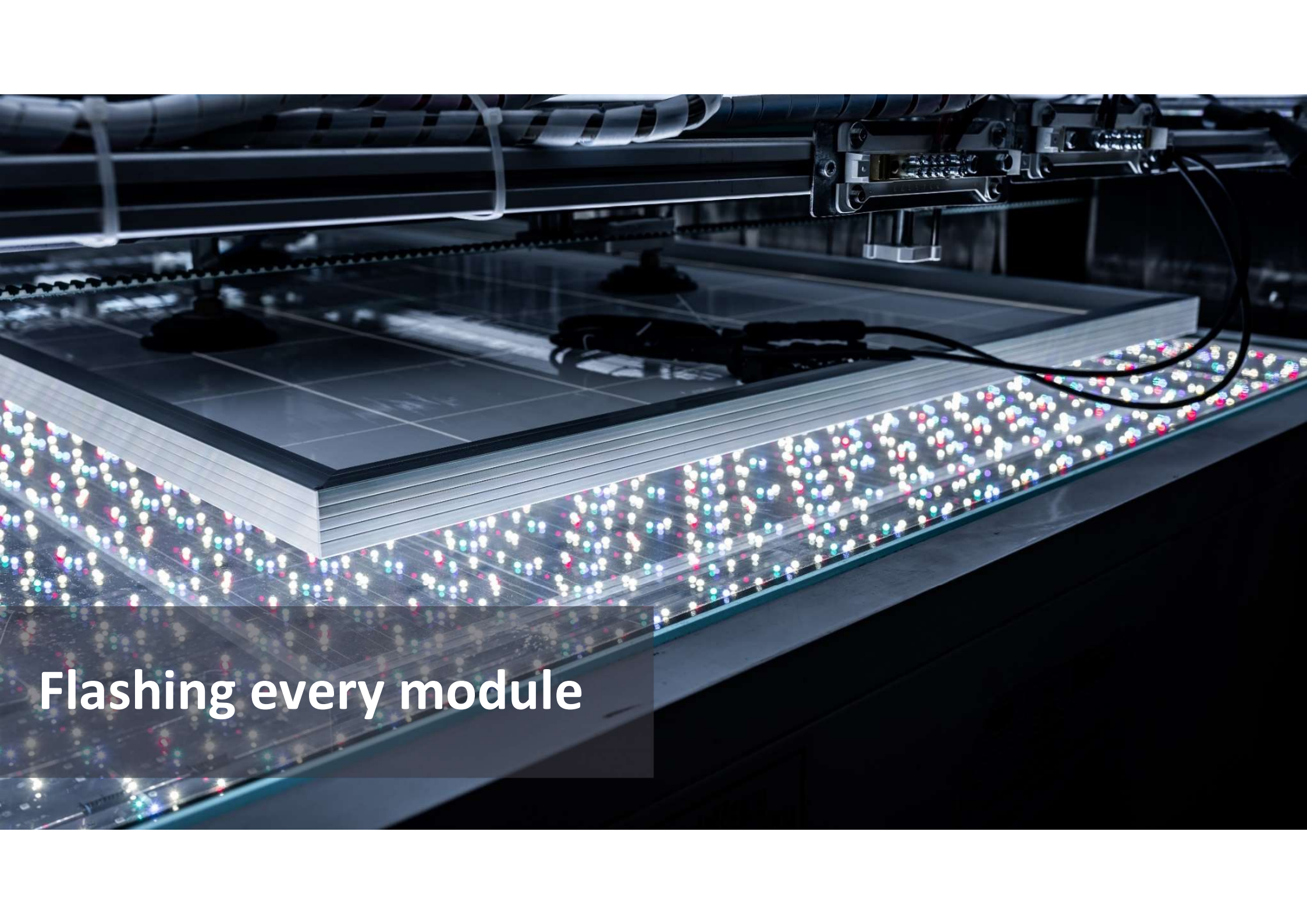
- ▶ **EL testing** for real (not just show)
- ▶ **Gel content/lamination testing** (each shift, each laminator, traceability over last decade+)
- ▶ **Peel force test**
- ▶ **Climate chamber** (testing materials and products till destruction)
- ▶ **Flashing every module** MEANS flashing EVERY module





EL test on every module





Flashing every module



# Perpetual R&D

- ▶ Materials
- ▶ Designs
- ▶ Processes
- ▶ Automation development & AI with self-learning programming code.

**More than 15 years old experience & track-record that cannot be bought.**

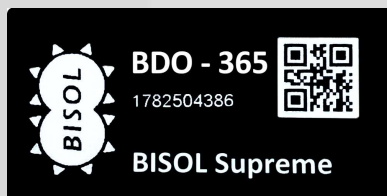


# Perpetual R&D

- ▶ Sustainable industry with globally innovative sustainable product:

## BISOL Supreme™

- The only in the world with 25 years 100% Output Power Guarantee.
- Every module equipped with QR Code with a complete ID Card (EL images, visual camera images, material used etc.).
- Laboratory tests show the lifespan of up to 70 years.





# Perpetual R&D

## Resulting in:

- ▶ Superior climate chamber results
- ▶ Robust existing PV PPS results
- ▶ Lowest degradation
- ▶ **Lowest guarantee claims:** in 15+ years < 1/10,000
- ▶ Happy returning customers



"We have chosen to work with BISOL because it is one of the few European manufacturers! The strong point of BISOL is obviously its flexibility, which mainly goes to great commercial and logistical work of the company. In general, **BISOL products are very good and are very satisfactory.**"

**Clément Dupuis**  
NED Energie, France





# Logistics and Service

## Tailored to end client

- ▶ **Widest product range** (also niche / customised products)
- ▶ **Robust packaging** with installer in mind
- ▶ **Logistical proximity**
- ▶ **24/7 sales support**

Your dedicated salesperson knows you, answers your calls and goes extra mile for you...







# REFERENCES

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**BELARUS**



Solar company!





**CZECH REPUBLIC**



Solar company!



**SLOVENIA**







**GREAT BRITAIN**



Solar company!



**FRANCE**



Solar company!





## THE NETHERLANDS





Stay connected.  
Let's share  
**SLOVENIAN** expertise.



Solar company!