



# solarge

Endless Energy



# Product innovation focus is changing to the complete life cycle



## Green energy

1970 – 2020

*“PV panels are green by itself”*

***Cost is the only driver***



## Low Carbon footprint

2020 – 2030

*“The CO2 footprint of Solar is actually quite high”*

***The CO2 footprint of PV panels must improve***



## Material circularity

2030+

*“Today's PV panels are tomorrow's waste challenge”*

***Material circularity must improve***





## What problems does Solarge address?



30-40% of C&I roofs are not strong enough for conventional (heavy) solar panels



Most solar panels contain toxic materials (PFAS & antimony) and are not fully recyclable



China dominates solar industry and produces solar panels with high CO2 footprint

### Huge Waste Problem

4 MetLife Stadiums (NY Giants & Jets) filled with solar module waste every week by 2035



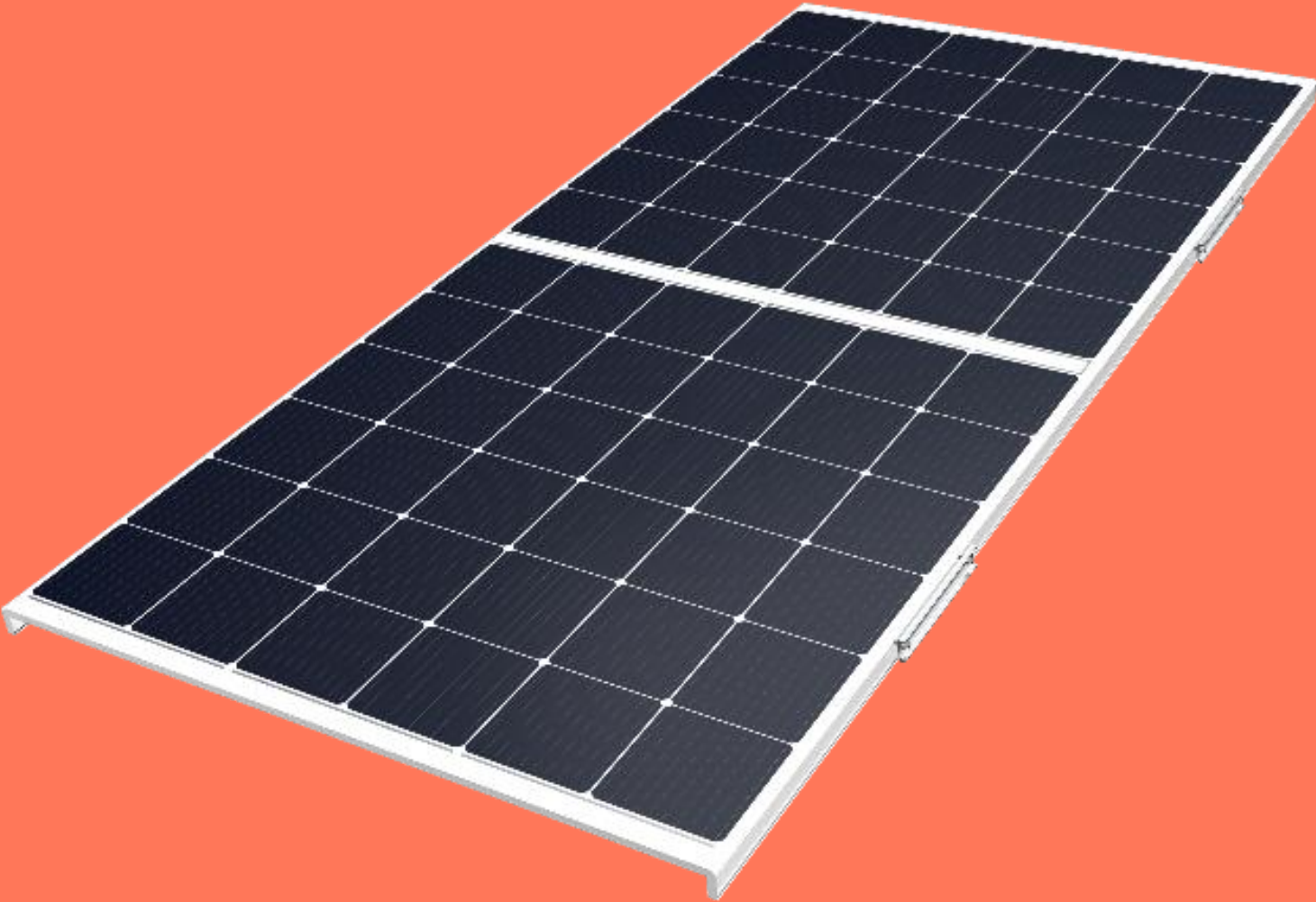




# Lightweight, sustainable and domestically produced!


## Solarge's panels have unique product properties

 <b>Lightweight</b>	<b>50% lighter than conventional modules</b> , enabling solar installation on roofs unsuitable for glass panels
 <b>No toxic materials</b>	Contains <b>0% PFAS materials</b> , <b>antimony</b> or other difficult to recycle chemical or multilayer systems
 <b>100% circular</b>	<b>Fully re-usable and biobased materials</b> from the SABIC Trucircle program
 <b>Low carbon footprint</b>	Up to <b>80% lower carbon footprint</b> during production
 <b>Locally produced</b>	Manufactured in the <b>Netherlands/EU (soon USA)</b> with a simplified supply chain and <b>in-house R&amp;D</b>
 <b>Unbreakable</b>	<b>Unbreakable and robust</b> against changing weather conditions (including hail) and salty water (floating solar)




**MADE IN NETHERLANDS**



**MADE IN USA**

Soon:

**16 YEARS**  
Product Warranty

**25 YEARS**  
Power Warranty

With its unique product properties, Solarge addresses a different market segment not available for traditional (glass) panels





## Case study | Sabic Factory in Genk, Belgium

### Key characteristics



4,700 SOLO solar panels being the largest circular solar project worldwide



500 Wp per solar panel



Total weight PV installation of less than 1.3 lbs per ft<sup>2</sup> (6.5kg per m<sup>2</sup>)



Saving capacity of 800 tons CO<sub>2</sub> annually

solarge

سابك  
sabic

ENGIE

### Impression





Let's talk...



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# Thank you



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