



# 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



### Lightweight

**50% lighter than conventional modules**, enabling solar installation on roofs unsuitable for glass panels



### No toxic materials

Contains **0% PFAS materials**, **antimony** or other difficult to recycle chemical or multilayer systems



### 100% circular

**Fully re-usable and biobased materials** from the SABIC Trucircle program



### Low carbon footprint

Up to **80% lower carbon footprint** during production



### Locally produced

Manufactured in the **Netherlands/EU (soon USA)** with a simplified supply chain and **in-house R&D**



### Unbreakable

**Unbreakable and robust** against changing weather conditions (including hail) and salty water (floating solar)



Soon:



Product  
Warranty



Power  
Warranty

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

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## 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

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### Impression





Please reach out...



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# Thank you



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