

We build the world's first silicon recycler.

We recover silicon as a strategic raw material from solar panel waste.



WHY SILICON?



Our world runs on silicon!

SILICON

The critical raw material for the energy transition is energy- and CO₂-intensive.

- 5-20 tons CO₂ per ton silicon
- > 60 % produced in China
- > 80 % imported into EU





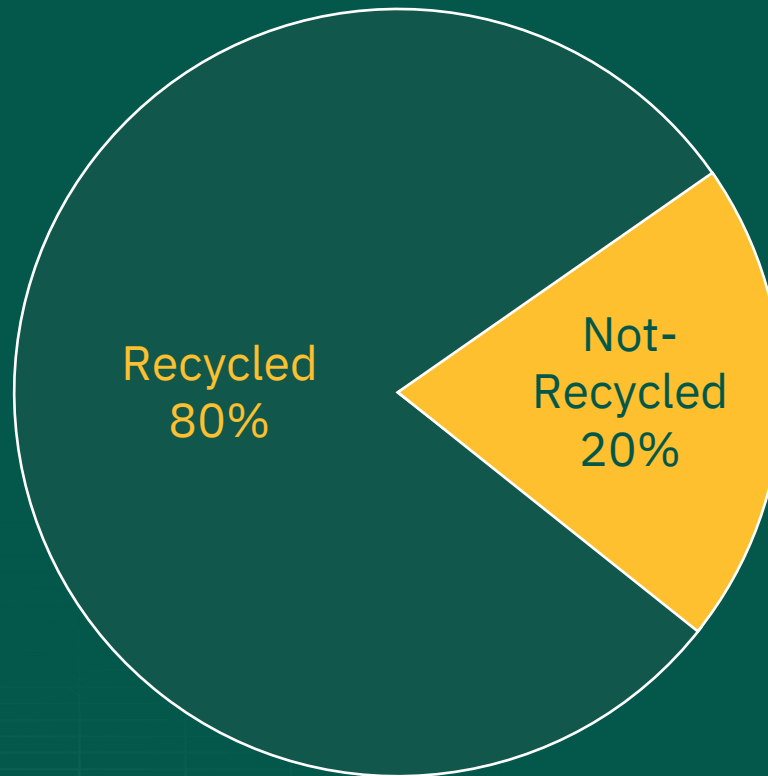
THE OPPORTUNITY

Solar panel waste contains silicon worth €9.6 billion.

We recover silicon as a strategic raw material.

THE SUPPLY

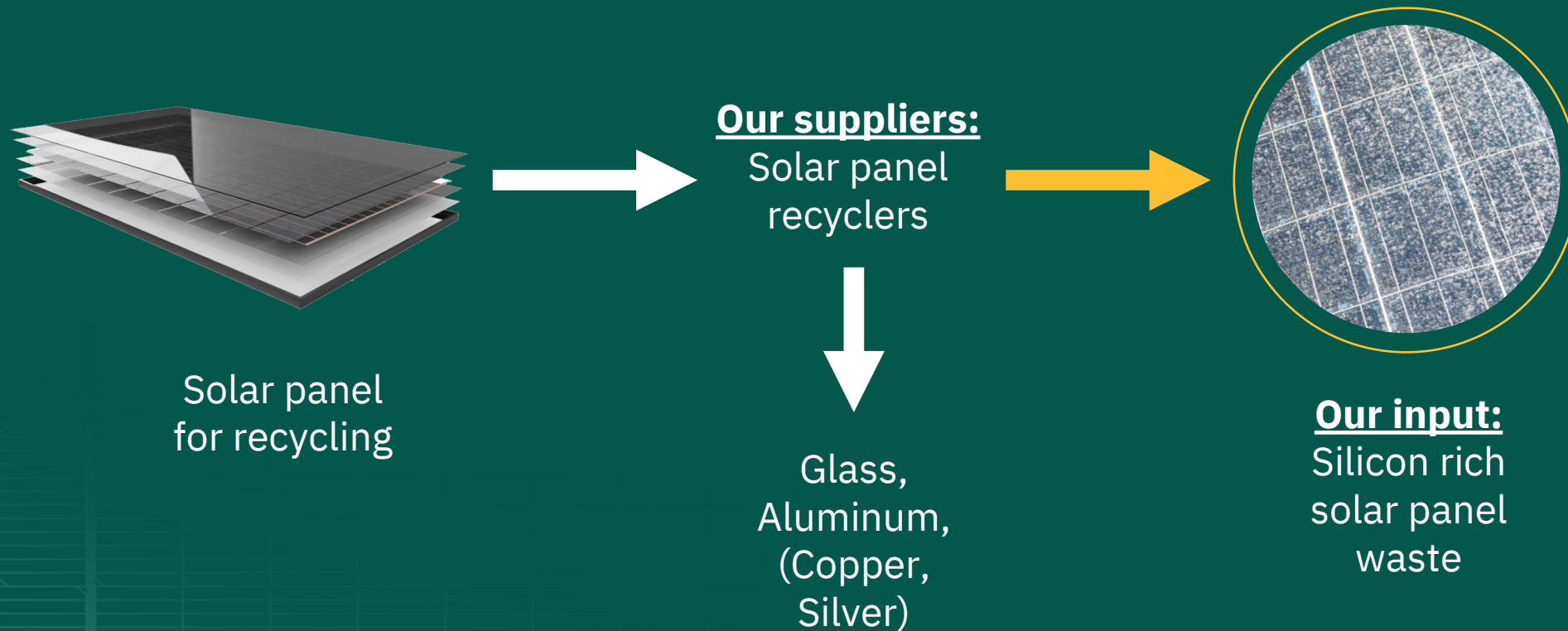
Recycling companies loose up to 20% of the solar panel waste including silicon and silver. This is our input material.



Fractions of glass
and/or plastics and
silicon and silver.

THE SUPPLY

Solar panel recyclers recycle anything but silicon due to a technical challenging process.



OUR SOLUTION

We recycle silicon with a thermo-mechanical, easy to scale and commercially viable process.



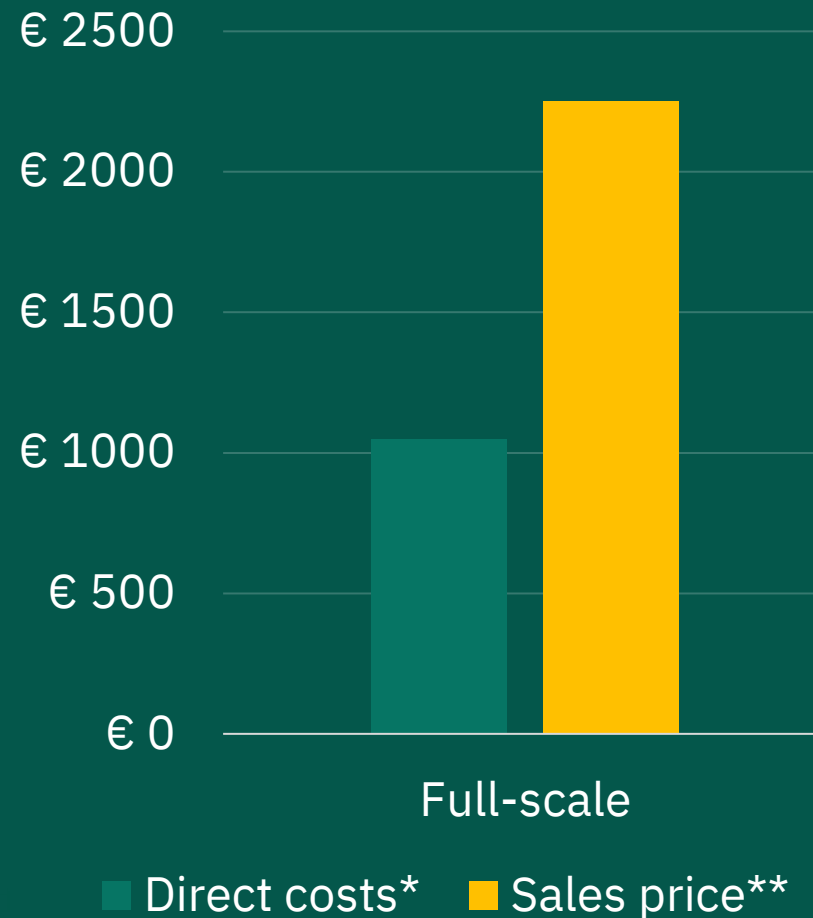
 **Circular** Silicon



COST STRUCTURE

Profitable business with competitive price structure.

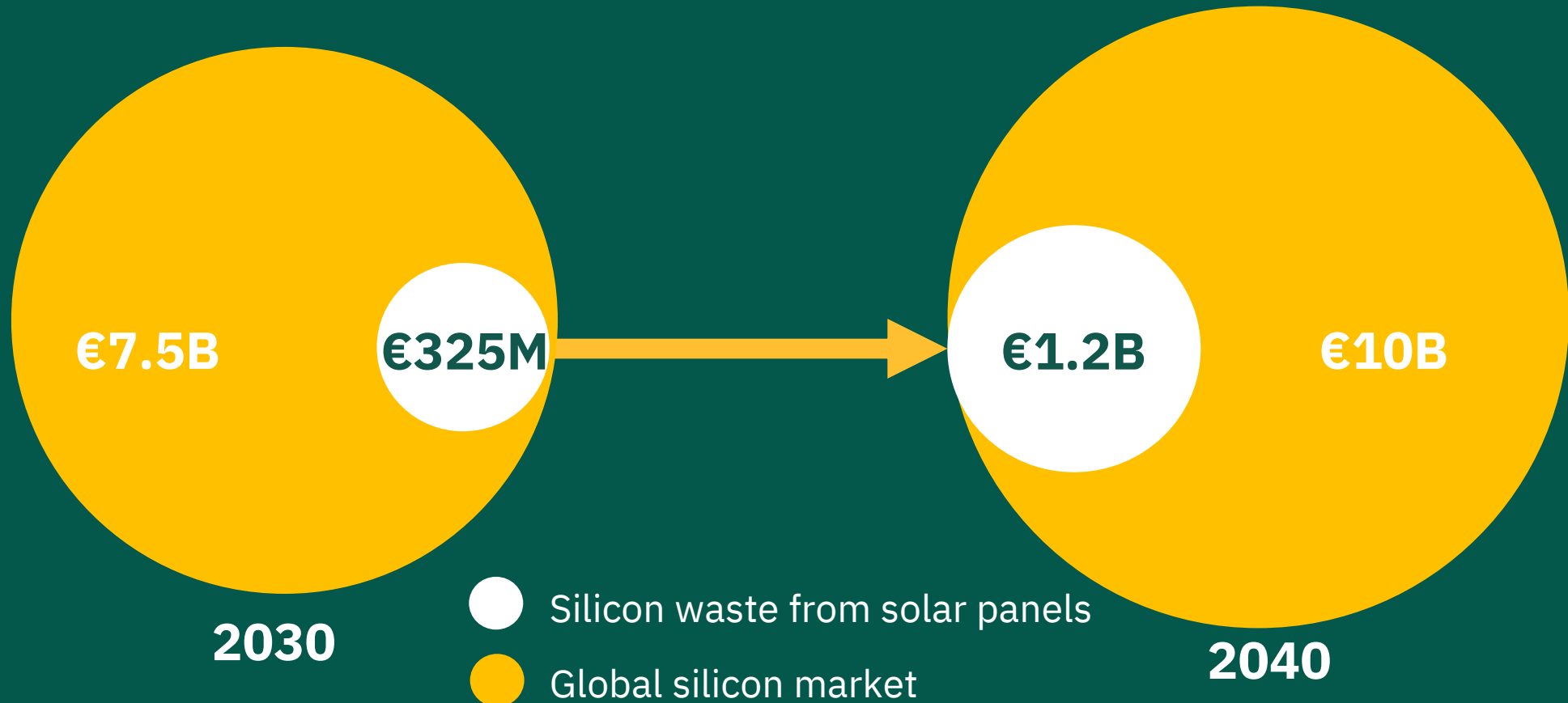
- Cost drivers:
Disposal of plastic,
logistics,
waste supply
- Sales price:
Depends on product quality
(silicon content)



*Estimated costs based on two shifts, input of laminates with approx. 20% silicon yield **product quality between 90-99% silicon





THE MARKET

Within the next decade, our global silicon sales market grows by 30% and our silicon waste supply by 350%.



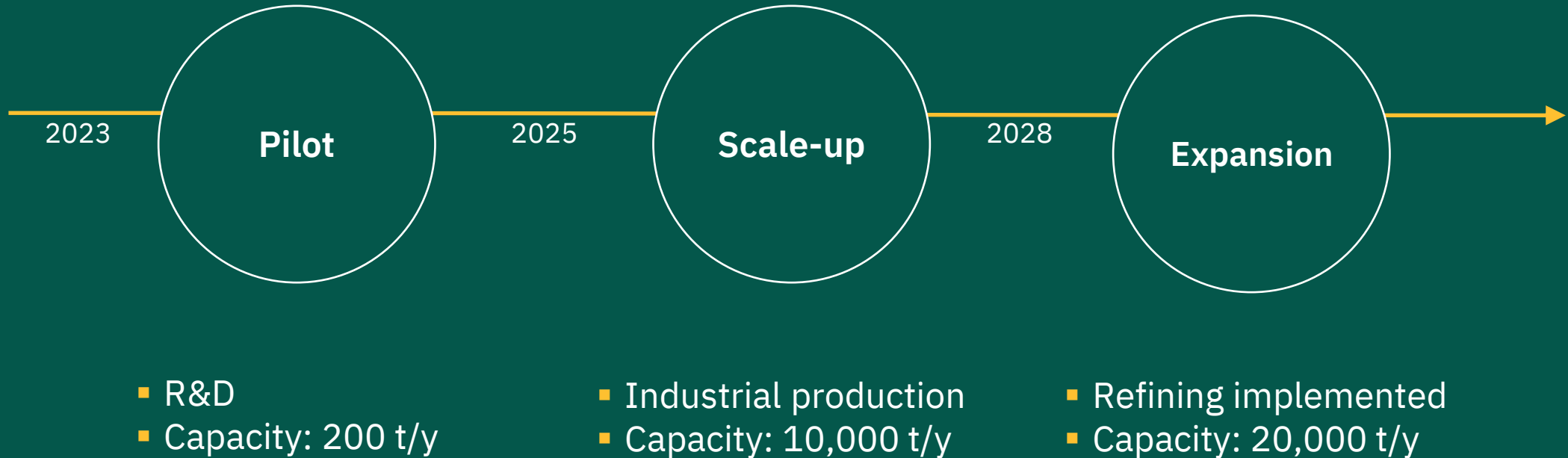
OUR COMPETITION

We differentiate with a green product at low cost.

		<u>Product:</u> Primary silicon	<u>Waste:</u> Thermal recycling
 Low process costs	***	**	*
 Low CO ₂ emissions	***	*	*
 Addressable markets	**	***	**

OUR ROADMAP

We will become the leading silicon recycler in Europe within the next five years.





Circular Silicon

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