

# 2<sup>nd</sup> cycle

for pv-modules

Second lifecycle for solar panels

## ESA COMMERCIALISATION GATEWAY

SPACE FOR BUSINESS  
BUSINESS FOR SPACE

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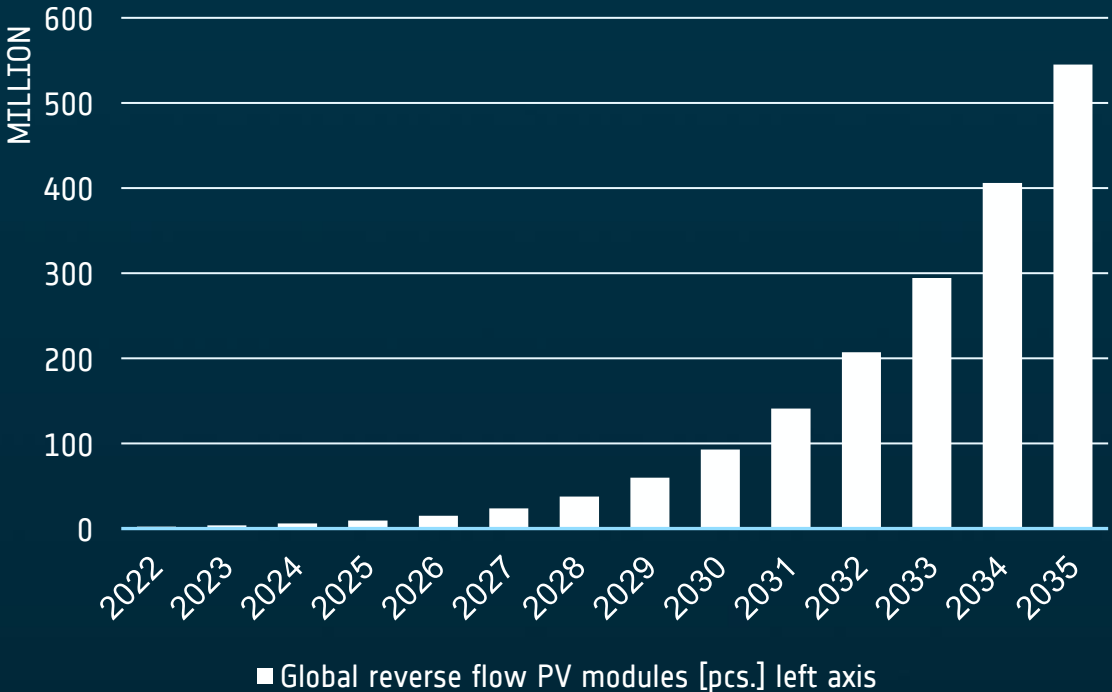
→ THE EUROPEAN SPACE AGENCY

**4 billion** solar panels currently in place

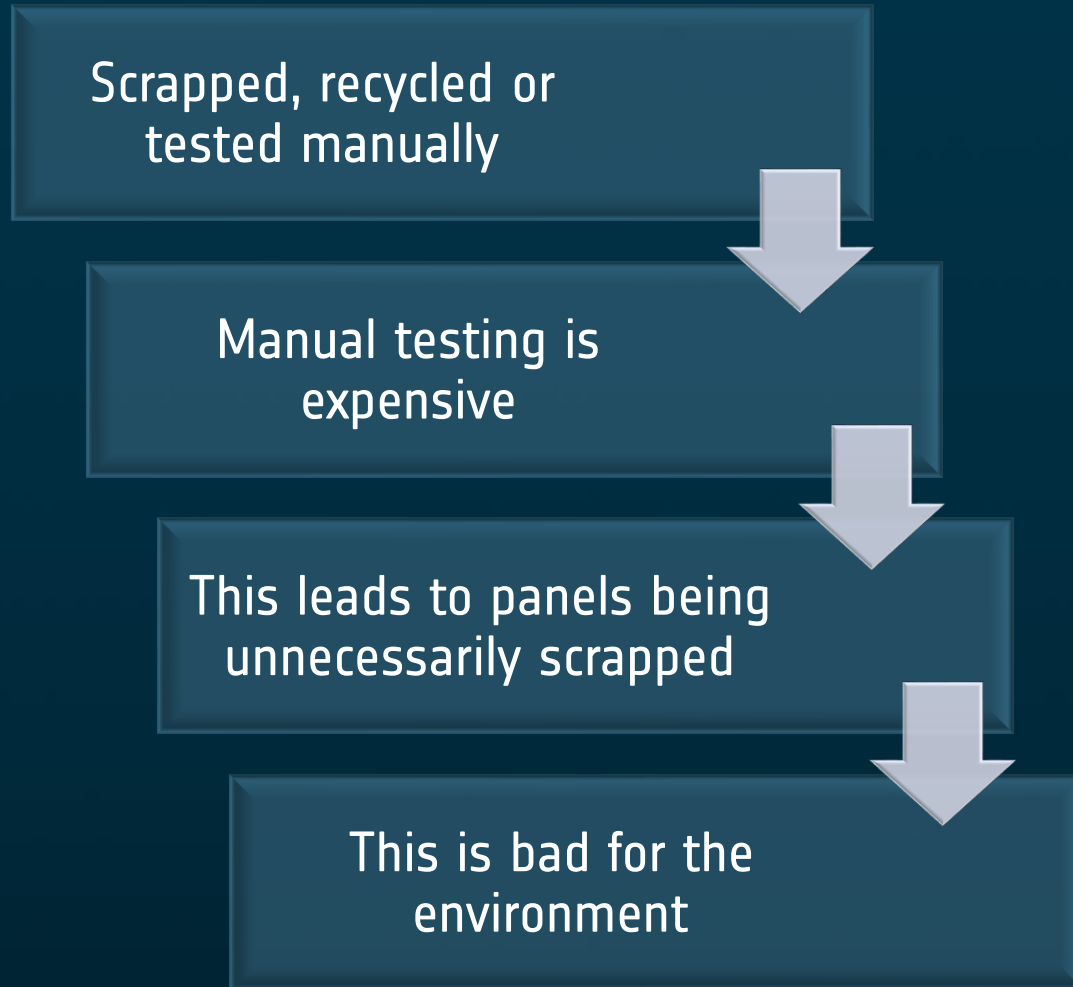
**3 million** solar panels being installed per day



Predicted number of solar panels reaching end of first lifecycle



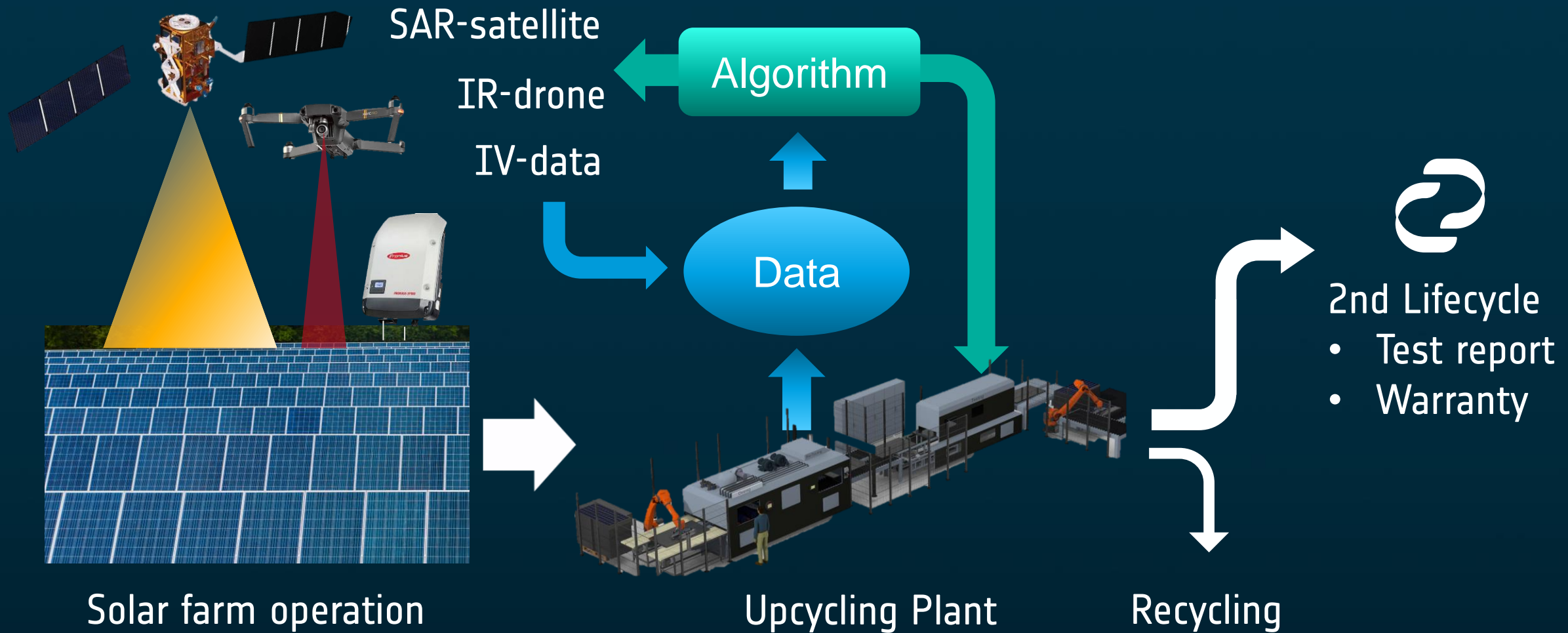
2nd Cycle technology solves economic and environmental problems associated with end of first lifecycle solar panels

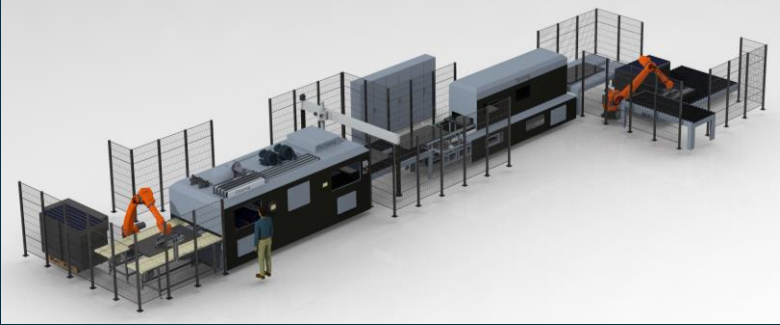




2nd Cycle refurbishing technology is 80% cheaper than manual refurbishing

Reduced refurbishing costs will make refurbishing more attractive than scrapping





	Phase 1	Phase 2	Phase 3
<b>Product:</b>	Stationary upcycling-plant 	Mobile upcycling- 	Drone / satellite testing 
<b>Customers:</b>	Recycling companies	Solar farm operators	Solar farm operators
<b>Revenue streams:</b>	<ul style="list-style-type: none"> <li>• Sale of machines</li> <li>• SaaS</li> <li>• Maintenance contracts</li> <li>• Leasing model</li> </ul>	<ul style="list-style-type: none"> <li>• Leasing model</li> </ul>	<ul style="list-style-type: none"> <li>• SaaS</li> <li>• Subscription model</li> <li>• Service / consulting</li> </ul>

“Market leader in technology for refurbishing solar panels”

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