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Sophia Glass solar Project





Overview

What is Sophia Project?

New developments and trends in plastics recycling. The SOPHIA project aims to increase the current reuse, repair and recycling rates of end-of-life solar panels.

Who coordinates the Sophia project – implementation of Advanced Digital Solutions?

In this context, AIMPLAS, the Plastics Technology Centre, coordinates the SOPHIA project – Implementation of Advanced Digital Solutions to increase the circularity of PV panels throughout the entire value chain.

What is Sophia & how does it work?

In this context, AIMPLAS, the Technological Institute of Plastics, leads the European project SOPHIA. The main objective is Increase the rates of reuse, repair, and recycling of solar panels Using advanced digitalization technologies and innovation from the very design of the modules.

How will Sophia impact the solar industry?

panels in the long term, an eco-designed and easy dismantling solar panel will be developed as prototype. It is expected that in the ecodesign practise fully sustainable PV industry. Additionally, SOPHIA will contribute to the generation of new markets around the photovoltaic sector across Europe.



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The SOPHIA project - Implementation of Advanced Digital Solutions to increase the circularity of PV panels throughout the full value chain - is an EU-funded Horizon Europe ...

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SOPHIA is an EU-funded Horizon Europe project that aims to implement Advanced Digital Solutions in end-of-life solar panels, involving the full value chain in order to increase their current reuse, repair and ...

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[SOPHIA: A key European project for solar panel recycling ...](#)

Recycling solar panels is essential to ensuring the sustainability of the photovoltaic sector. The SOPHIA project, coordinated by AIMPLAS, promotes eco-design and digital ...

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[Implementation of Advanced Digital Solutions to increase ...](#)

"SOPHIA addresses to the problem of photovoltaic panels End of Life, their management and the society awareness on electronicwaste management. The project will ...

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[SOPHIA: New EU project to implement ...](#)

The SOPHIA project - Implementation of Advanced Digital Solutions to increase the circularity of PV panels throughout the full value chain - is an EU-funded Horizon Europe project that aims to implement ...

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[Next-gen Battery Tech Drives Solar Panel Reuse](#)

On June 1, the EU-funded SOPHIA project launched in Valencia, leading circular solar panel reuse through AI diagnostics, robotic repair, and next-gen battery recycling to ...

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...
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[AIMPLAS coordinates a new European project to increase ...](#)

AIMPLAS, the Technological Institute of Plastics, coordinates SOPHIA, a European project that seeks to significantly improve the circularity of solar panels through ...

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[SOPHIA: A key European project for solar ...](#)

Recycling solar panels is essential to ensuring the sustainability of the photovoltaic sector. The SOPHIA project, coordinated by AIMPLAS, promotes eco-design and digital traceability to increase reuse ...

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ENCO joins the SOPHIA project to advance circularity



in solar ...

The project aims to implement advanced digital solutions to significantly improve the reuse, repair, and recycling rates of end-of-life solar panels. Covering the full value chain, ...

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