

Sophia solar Glass 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.

What is Sophia & how does it work?

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 recycling rates. The end goal is to foster a more circular, innovative and competitive Europe. The project will focus on:

How will Sophia impact the solar industry?

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

How can Sophia improve the health of solar panels?

One of SOPHIA's great contributions is the creation of a prototype that allows analyzing the state of health (SoH) of solar panels. Thanks to this system, it's possible to evaluate efficiency, detect dark areas or structural damage, and decide whether the panel should be repaired or recycled.



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SOPHIA Project

What is SOPHIA? 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 ...

Project Sophia: Towards a Circular Future for Solar Panels

Jul 27, 2025 · The Sophia project seeks to promote the reuse, repair, and recycling of solar panels in Europe. New digital technologies such as the Digital Product Passport are being ...

SOPHIA: New EU project to implement Advanced Digital ...

Jun 30, 2025 · 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 ...

SOPHIA: Advanced Digital Solutions to Increase the ...

Mar 7, 2025 · The SOPHIA project aims to increase the current reuse, repair and recycling rates of end-of-life solar panels.

SOPHIA: Advanced Digital Solutions to ...

Mar 7, 2025 · The SOPHIA project aims to increase the current reuse, repair and recycling rates of end-of-life solar panels.

Implementation of Advanced Digital Solutions to increase ...

Nov 26, 2025 · "SOPHIA addresses to the problem of photovoltaic panels End of Life, their management and the society awareness on electronicwaste management. The project will ...

SOPHIA: New EU project to implement ...

Jun 30, 2025 · The SOPHIA project - Implementation of Advanced Digital Solutions to increase the circularity of PV panels throughout the full value ...

SOPHIA

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 ...

SOPHIA: A key European project for solar panel recycling ...

Jul 25, 2025 · Recycling solar panels is essential to ensuring the sustainability of the photovoltaic sector. The SOPHIA project, coordinated by AIMPLAS, promotes eco-design and digital ...

SOPHIA project: increasing the reuse, repair and recycling ...

Jul 11, 2025 · 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 ...

AIMPLAS coordinates a new European project to increase ...

Aug 13, 2025 · AIMPLAS, the Technological Institute of Plastics, coordinates SOPHIA, a European project that seeks to significantly improve the circularity of solar panels through ...

SOPHIA: A key European project for solar ...

Jul 25, 2025 · Recycling solar panels is essential to ensuring the sustainability of the photovoltaic sector. The SOPHIA project, coordinated ...

Next-gen Battery Tech Drives Solar Panel Reuse

Jul 6, 2025 · 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 ...

SOPHIA

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

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