

What is Sophia Project?

New developments and trends in plastics recyclin... 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:

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's Horizon Europe project?

The project partners of SOPHIA gathered on 26 June 2025 in Valencia (Spain) to kick off this Horizon Europe project. Through the development of innovative solutions to boost PV panels' circularity, SOPHIA will contribute to fostering a more circular, innovative and competitive Europe.

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

A module fully made of recycled components Biosphere Solar is proud to announce its participation in the groundbreaking SOPHIA project, a Horizon-funded initiative aimed at ...

HOME / Sophia explosion-proof solar panel manufacturer We are an Ex certified (mainly IECEx and ATEX) manufacturer for various explosive-rated electrical products and systems for Ex solar PV ...

The SOPHIA project aims to increase the current reuse, repair and recycling rates of end-of-life solar panels. For the evaluation of their State-of-Health (SoH), a prototype will be developed ...

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 and ...

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 developed to ...

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 slash waste ...

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 Europe project that ...

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