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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.

What is the Sophia consortium?
The SOPHIA consortium is composed of 15 entities from nine European countries,including research,industry,and waste management: CIDETEC,Fraunhofer,Wilock,LHV,Sadako,Biosolar,Akumpt,Sisecam,Ferrog,IS,Recyclia,EuRIC,CEPS,and ENCO,coordinated by AIMPLAS from Valencia. The project began in June 2025 and is expected to last 36 months.

How long will the Sophia Project last?
The project began in June 2025 and is expected to last 36 months. The kickoff meeting took place in Valencia,where the initial milestones and strategies needed to implement the technologies and processes developed under the SOPHIA umbrella were defined.

Formulated through the Restylon compound with glass fiber technopolymer. Sophia is a practical solution for the support of solar panels.

Learn how Project Sophia is leading the way in solar panel recycling and traceability in Europe using advanced digital technology.

Sophia is a European Union-funded Horizon Europe project that aims to implement advanced digital solutions in end-of-life solar panels, involving the full value chain to increase ...

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Promote the use of recycling innovative technologies to maximize the separation of their main components, such as glass, silicon & metals and plastics. Develop a prototype for a new eco ...

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On 1 June 2025, ENCO has officially joined a new European endeavour: the SOPHIA project - Implementation of Advanced Digital Solutions to increase the circularity of PV panels ...

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