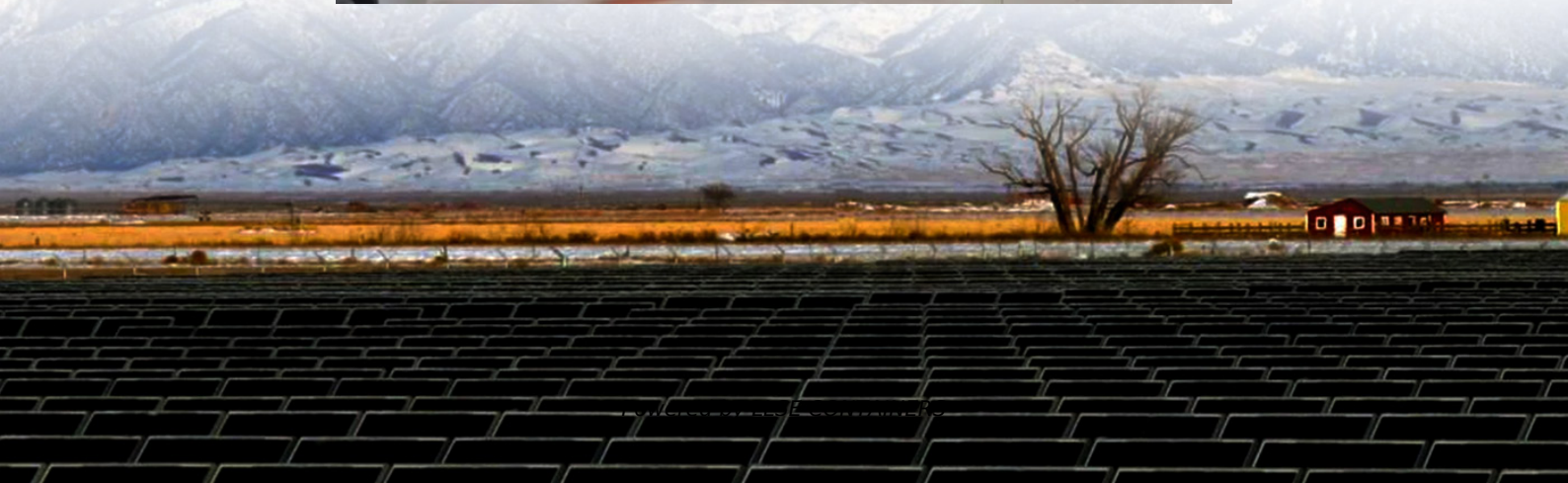


Sophia solar container communication station EMS Construction Project





Overview

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 help the photovoltaic industry in Europe?

Additionally, SOPHIA will contribute to the generation of new markets around the photovoltaic sector across Europe. CORDIS classifies projects with EuroSciVoc, a multilingual taxonomy of fields of science, through a semi-automatic process based on NLP techniques. See: The European Science Vocabulary.

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.

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.



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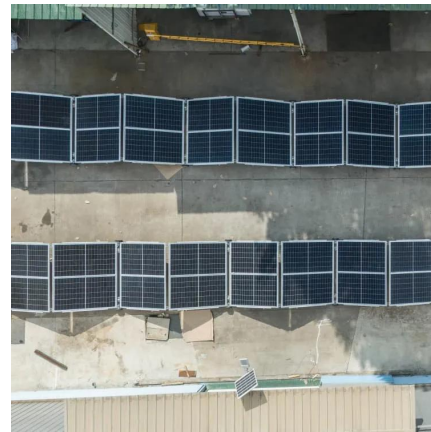


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