Solar Manufacturing Accelerator EU

The Solar Manufacturing Accelerator presents:

ARMOR Solar Films

Project
organic PV film factory

Production capacity
50 million m² by 2025, 100 million m² by 2028

Low carbon technology and production process: 1T of eq CO2 avoided per kWh

Planned jobs to be created:
1,000 direct jobs, 5,000 indirect jobs

Total investment:
€175 million (by 2025)

ARMOR

Locations:

The French company ARMOR Group is the global **market leader of Thermal Transfer ribbons** (traceability services). Based on the group's core competencies in ink formulation and roll-to-roll processing, ARMOR began an R&D project in 2010 that is focused on the conception and manufacturing of organic photovoltaic films (OPV), the 3rd-generation of solar technology. These disruptive films are ultra-light, very thin, highly flexible, semi-transparent, with the ability of doing free forms modules and extreme sensitivity to low and diffused light. ARMOR's OPV technology, fully **developed and produced in France and Germany**, has also a limited environmental footprint, using neither toxic products nor rare metals, with a low carbon production process.

Thanks to past investments (€100 million between 2010 and 2020), the current factory in France has a production capacity of 1 million m² per year for the OPV films (1 production line). The group aims at ramping up production to **50 million m² per year organic PV films by 2025**, thanks to two additional full production lines in France and Germany with the aim of reaching 100 million m² per year in 2028. Leveraging its technical features, OPV is an active component that can be integrated with most materials (glass, textile, metals, polycarbonate, composites) and as such, addresses many different sectors: Building-Integrated PV (rooftops and facades), Agri-PV, urban furniture, solar mobility, and IOT. These solutions can leverage the potential of the already artificialized surfaces which represent 160 billion m² in European Union. ARMOR's customers and partners include: ENGIE, ENI, EIFFAGE Energy Systems.

More information: ARMOR-group.com/fr/ase

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