

## **Custom-Art: making photovoltaics more accessible to the everyday life of citizens.**

Imagine if we could **integrate a photovoltaic panel in any kind of building surface** or in any kind of **urban furniture** without having any constraint regarding size, shape and weight.

This would open a **new perspective** for the **distributed energy generation** in urban areas, making "near-zero energy buildings and districts" a reality and **improving citizen's quality** of life in a more sustainable environment.

However, **mass adoption** of Building Integrated Photovoltaics (BIPV) and Product Integrated Photovoltaics (PIPV) solutions can only be achieved by developing **cost-efficient** and **sustainable thin-film technologies** with unbeatable aesthetic functionalities, mechanical flexibility and optical tunability.

The European-funded Custom-Art project aims to develop next generation Building Integrated Photovoltaics and Product Integrated Photovoltaics modules based on earth abundant thin-film materials such as kesterites:

- Custom-Art will bring flexible and semi-transparent kesterites solar modules to a higher level of maturity demonstrating very competitive conversion efficiencies and increased durability over 35 years at reduced production costs.
- By combining advanced strategies for materials properties management with customized modules design, two types of products will be developed and demonstrated at real life operational conditions, including flexible and semi-transparent modules that will be integrated in building and urban furniture elements.

Custom-Art involves 17 partners and 3 Third Parties, including the world leading actors involved in the development of kesterite technologies.

Check up the new video release from Custom-Art in [this link](#).

CUSTOM-ART is a H2020 funded project that stands for "Disruptive kesterites-based thin film technologies customised for challenging architectural and active urban furniture applications".

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