



BE  MART

Together for Active and Efficient Buildings

Laure-Emmanuelle Perret-Aebi

Coordinator

Senior Scientist, PV-Lab, EPFL



The Be-Smart project has received funding from The European Union's Horizon 2020 research and innovation programme under grant agreement No 818009.



Project Objectives

The unique and multi-disciplinary consortium of Be-Smart will help break through barriers that have previously held back BIPV implementation by:

- supporting the industrialisation of new materials and processes for the manufacturing of multi-functional BIPV elements by:
 - focusing on cost effective solutions,
 - developing break-through transformative approaches to achieve aesthetic modules,
 - improving manufacturing processes to facilitate targeted cost reductions,
- promoting a stronger market deployment of the new technologies by:
 - developing a business model and exploitation strategy for each key stakeholder of the whole value chain,
 - improving awareness and coordination among the multiple stakeholders involved in a building/renovation process,
 - demonstrating the results of the project through high profile, replicable demonstrators and through the implementation of an innovative communication plan dedicated to experts, such as architects and builders, as well as to a large public audience.





The Be-Smart Project

From BIPV to Energy Positive Glazing **EPoG**



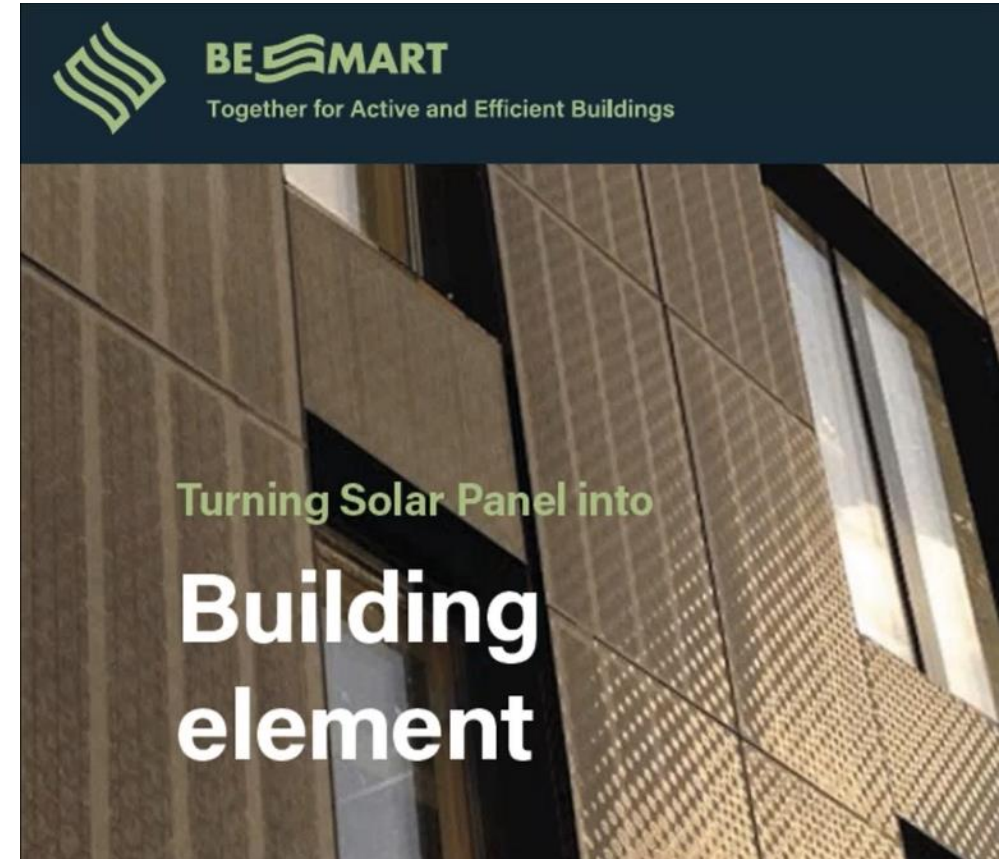
From traditional PV...



to BIPV as Building Envelope Construction Material



<https://www.besmartproject.eu/>



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PV as construction material



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Elegance and Architecture



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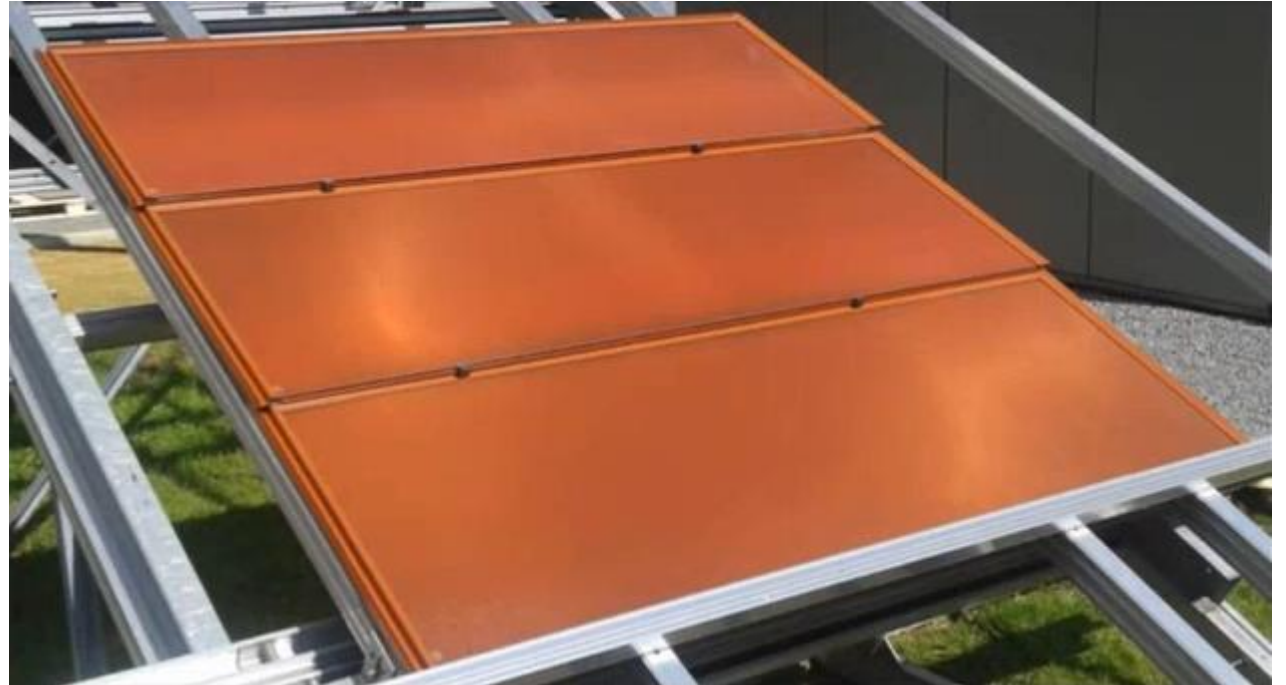
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Solar tiles



Silicon thin-film solar tiles
(Archinsolar project)
60W / m²



Silicon m-crystalline
130W / m²





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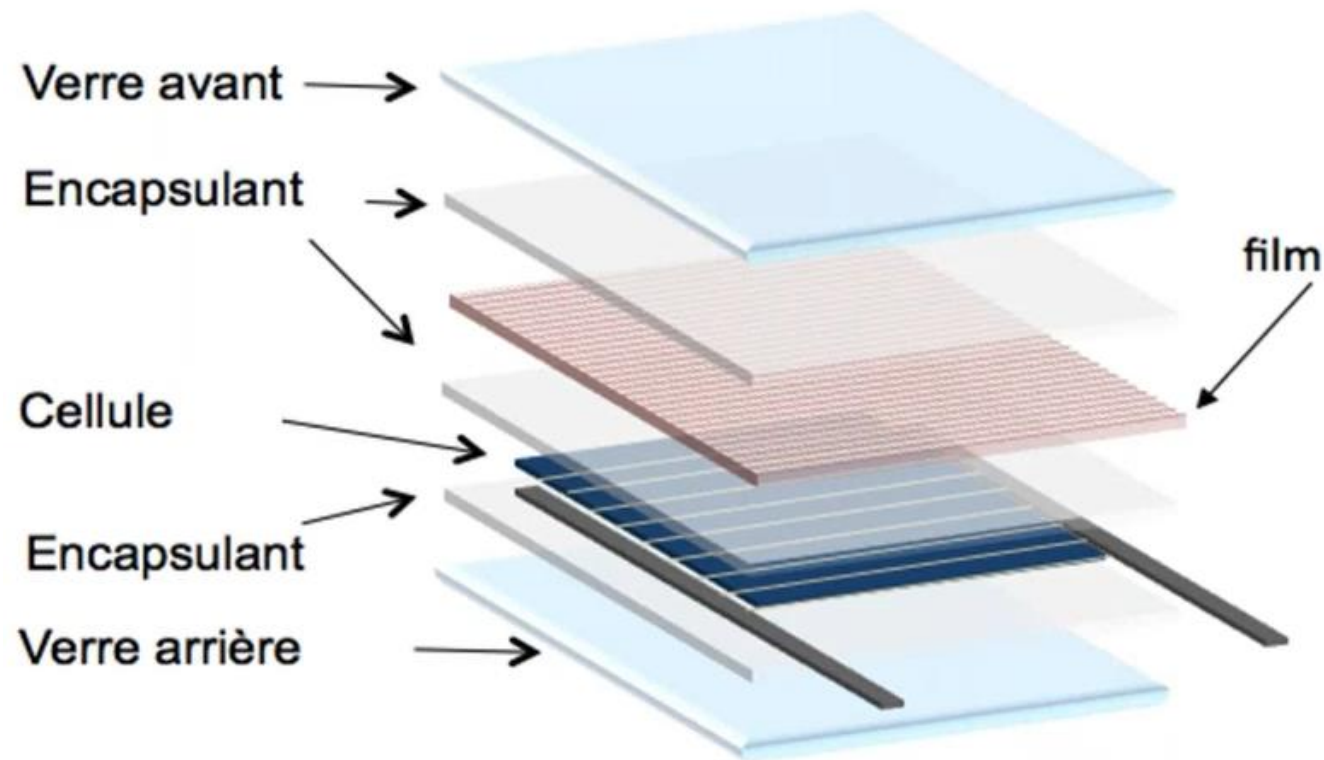
BIPV elements



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Transformative strategy





Colored PV Module

