

Self-cleaning coating for the OPV sector

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OPV modules in highly diverse shapes and colors are available on the market due to the unique OPVIUS manufacturing technology combining laser structuring, coating, printing and lamination processes. It is the key for the successful preparation of solar-active semi-finished sheets integrable into all kinds of surfaces to allow for an energy-generating functionality. This is a large step forward towards the implementation of renewable energy sources in many different application fields, like buildings, automotive or consumer electronics.

Within the OptiNanoPro project we examine the technical possibility and the impact on energy production and product development of self-cleaning surfaces for OPV applications. The results will be presented in this contribution.