

CLIMATE PAVILION THÜRINGEN

A system of solar umbrellas was provided by OPVIUS. The building was set up as part of the Landesgartenschau Thüringen 2017.

DESCRIPTION

Customer

TheEGA GmbH (Thüringische Energie Agentur)

Partners

Bauhaus Universität Weimar, BELECTRIC PV Dach GmbH

Short summary

The OPV modules were integrated in polycarbonate panels, which were shaped like umbrellas. The umbrellas were mounted on the non-permanent building.

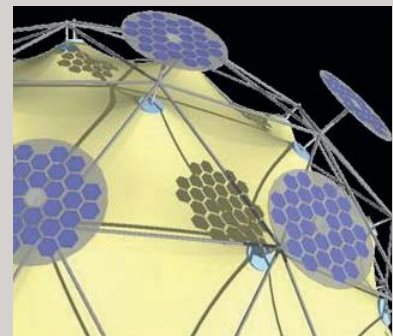
Timeline

- Contract awarded February 2017
- Design finished January 2017
- Production of OPV February 2017
- Pre-assembly March 2017
- Installation on site April 2017

Key data

Printed OPV modules were the only product that was able to have an energy payback time short enough to have an overall positive impact over the lifetime of the building.

RESPONSIBILITIES	LEAD	PARTNER(S)
Overall Design	Archlab Weimar	OPVIUS
Technical System Development	OPVIUS	
Module Design and Production	OPVIUS	
Electrical System (incl. Design)	BELECTRIC PV Dach	OPVIUS
Mechanical System (incl. Design)	Archlab Weimar	OPVIUS
PC lamination	Inglas	
On-Site Installation	BELECTRIC PV Dach	





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Apolda