

Office building in Mannheim

Aesthetic integration

The electrical cabling is hidden within the profiles, leaving just the glass and the PV cells visible. The semi-transparent BIPV modules generate a pleasant atmosphere inside the offices, thanks to the partial shading of the distanced cells.

Energy integration

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Technology integration

The 149 multifunctional glass-glass modules (eFORM clear ISO) were designed by SUNOVATION in 36 different geometries and sizes, individually adapted. They are installed in a standard post and rail system. Since the modules are designed as double insulating glazing, they have excellent thermal properties. At the same time, their transparency ensures sufficient light to pass through for a light-flooded interior.

Decision making

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Lesson learnt

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PROJECT DATA

Project type	New construction
Building function	Office
Integration system	Semi-transparent tilted roof
Location	Mannheim, Germania

BIPV SYSTEM DATA

Module type	Custom made modules
Solar technology	Silicio cristallino
Nominal power [kWp]	33
System size [m²]	320
Module size [mm]	36 diverse

Orientation	-
Tilt [°]	-

BIPV SYSTEM COSTS

Total cost [€]	-
€/m²	-
€/kWp	-

PRODUCER DATA

Producer	Sunovation GmbH
Address	Glanzstoffstraße 21, Elsenfeld, Germania
Contact	info@sunovation.de +49(0) 6022 / 26573-0
Web	https://sunovation.de/en/

1. BIPV façade and roof system © Sunovation
2. Semi-transparent BIPV roof © Sunovation