

ClimateHouse Weather

Aesthetic integration

The BIPV modules (eFORM color) offer homogeneous and straight dark surfaces. Coloured through double screen printing technique, they present an anthracite appearance. The adopted frameless curtain was system makes the mounting system invisible.

Energy integration

The BIPV modules are estimated to produce around 8.6 MWh per year.

Technology integration

Initially planned with thin-film PV technology, the façade was then realized with monocrystalline solar cells. The 330 integrated modules are glass-glass panels of 20 different sizes, supported by a backside glued frame.

Decision making

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Lesson learnt

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PROJECT DATA

Project type	New construction
Building function	Office
Integration system	Opaque cold façade
Location	Karl-Legien-Straße 194a, Bonn, Deutschland

BIPV SYSTEM DATA

Module type	Custom made modules
Solar technology	Monokristallines Silizium
Nominal power [kWp]	16
System size [m²]	210
Module size [mm]	20 verschiedene
Orientation	Süden-Westen
Tilt [°]	90

BIPV SYSTEM COSTS

Total cost [€]	-
€/m²	-
€/kWp	-

PRODUCER DATA

Producer	Sunovation GmbH
Address	Glanzstoffstraße 21, Eisenfeld, Deutschland
Contact	info@sunovation.de +49(0) 6022 / 26573-0
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1. BIPV façade of the ClimateHouse Weather building © Sunovation
2. Detail of the BIPV façade © Sunovation