

# **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

-

## Lesson learnt

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### PROJECT DATA

<b>Project type</b>	New construction
<b>Building function</b>	Office
<b>Integration system</b>	Opaque cold façade
<b>Location</b>	Karl-Legien-Straße 194a, Bonn, Germany

### BIPV SYSTEM DATA

<b>Module type</b>	Custom made modules
<b>Solar technology</b>	Monocrystalline Silicon
<b>Nominal power [kWp]</b>	16
<b>System size [m<sup>2</sup>]</b>	210
<b>Module size [mm]</b>	20 different
<b>Orientation</b>	South-West
<b>Tilt [°]</b>	90

## BIPV SYSTEM COSTS

<b>Total cost [€]</b>	-
<b>€/m<sup>2</sup></b>	-
<b>€/kWp</b>	-

## PRODUCER DATA

<b>Producer</b>	Sunovation GmbH
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1. BIPV façade of the ClimateHouse Weather building © Sunovation
2. Detail of the BIPV façade © Sunovation