

## **Office building in Miltenberg**



## Aesthetic integration

The BIPV façade has been adapted individually to the existing building. The black frameless modules create a uniform surface. They were equipped with an invisible backside glued frame. The result is an elegant power-generating façade that is not recognizable as such at first glance.

## Energy integration

The BIPV modules are estimated to produce around 25 MWh per year.

## Technology integration

399 glass-glass modules (eFORM color) in 15 different sizes and geometries were optimally integrated by SUNOVATION into the existing building structure. The substructure for this back-ventilated curtain facade has been anchored in the concrete walls with retaining brackets and combined with a structural glazing design. The facade elements have been attached to the retaining profiles with 2-component-silicone and were individually mounted on 4 points in so-called bolt slides. The use of integrated diodes optimizes the yield of this BIPV facade.

## Decision making

-

## Lesson learnt

-

### PROJECT DATA

<b>Project type</b>	Retrofit
<b>Building function</b>	Office
<b>Integration system</b>	Opaque cold façade
<b>Location</b>	Miltenberg, Germania

### BIPV SYSTEM DATA

<b>Module type</b>	Custom made modules
<b>Solar technology</b>	Silicio cristallino
<b>Nominal power [kWp]</b>	41
<b>System size [m<sup>2</sup>]</b>	370
<b>Module size [mm]</b>	15 diverse

<b>Orientation</b>	-
<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
<b>Address</b>	Glanzstoffstraße 21, Elsenfeld, Germania
<b>Contact</b>	info@sunovation.de +49(0) 6022 / 26573-0
<b>Web</b>	<a href="https://sunovation.de/en/">https://sunovation.de/en/</a>



1. BIPV façade of the office building © Sunovation
2. BIPV façade on the refurbished building © Sunovation