

Omicron headquarters

Aesthetic integration

For the exclusive façade design, SUNOVATION combined colourful solar cells with special coloured glass, creating an architecturally sophisticated and colourfully homogenous surface. This is only opened by the specific structure of the solar cells and their reflections, through which an interesting contrast is created. A special highlight of the energy-producing designer facade is the integrated LED colour display in the company colours. At night, this highlights the facade spectacularly and reflects the affinity for technology and innovative power of the company.

Energy integration

The BIPV modules are estimated to produce around 66 MWh per year.

Technology integration

The façade consists of 510 high-efficiency glass-glass modules (eFORM color) and 90 LED glass elements (eFORM LED) that are specially authorised for vertical installation in the façade. The substructure consists of an extruded section measuring approx. 1,000m and over 1,200 retaining brackets, embedded in the wooden wall. The design as a "structural glazing" bonded joint enables a frameless suspension of the glass elements on the retaining profile that are each suspended at 4 points in so-called "bolt slides" in the substructure.

Decision making

The client planned for its head office in Vorarlberg an innovative and sustainable facade in its blue, red and yellow logo colours. For this purpose, a glass facade with blue as the main colour has been designed with embedded solar cells.

Lesson learnt

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PROJECT DATA

Project type	New construction
Building function	Office
Integration system	Opaque cold façade
Location	Oberes Ried 1, Klaus, Austria

BIPV SYSTEM DATA

Module type	Custom made modules
Solar technology	Kristallines Silizium

Nominal power [kWp]	92
System size [m²]	780
Module size [mm]	-
Orientation	Süden-Westen
Tilt [°]	90

BIPV SYSTEM COSTS

Total cost [€]	-
€/m²	-
€/kWp	-

PRODUCER DATA

Producer	Sunovation GmbH
Address	Glanzstoffstraße 21, Eisenfeld, Deutschland
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1. BIPV façade of the new Omicron headquarters © Sunovation
2. Detail of the BIPV façade © Sunovation