



## **MIP Bad Kreuznach**

## Introduzione

The mobile and info point (MIP) is a mobility station with bicycle parking garage and advice center for everything to do with cycling and e-mobility. It was commissioned by the city administration of Bad Kreuznach within the framework of the federal competition "Climate protection through cycling". The construction is characterized by a curved translucent glass façade consisting of a combination of glass and frameless BIPV modules.

([Sunovation](#))

## Integrazione estetica

High aesthetic quality is guaranteed by the BIPV modules, which are frameless and with polished glass edges on one side. The PV cells are clearly exposed on the building.

## Integrazione energetica

The BIPV façade is estimated to produce around 14 MWh per year. It generates electricity for e-charging station and lighting.

## Integrazione tecnologica

The 44 glass-glass BIPV modules ([eFORM clear](#)) were designed by SUNOVATION in 33 different sizes, each with individually selected cell layout. The XL module sizes have a notable dimension of more than  $6.7 \text{ m}^2$  (> 5 m height). The BIPV modules are made of high-efficiency monocrystalline cells and fall-proof glazing.

## DATI EDIFICIO

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<b>Tipologia progetto</b>	nuova costruzione
<b>Destinazione d'uso</b>	multifunzionale
<b>Indirizzo edificio</b>	Europapl. 23, Bad Kreuznach, Deutschland

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## Sistemi BIPV

### DATI SISTEMA BIPV

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<b>Sistema architettonico</b>	facciata continua
<b>Anno integrazione BIPV</b>	2015
<b>Active material</b>	silicio monocristallino
<b>Trasparenza modulo</b>	semi-trasparente
<b>Tecnologia modulo</b>	vetro-vetro, FV riconoscibile, modulo customizzato
<b>Potenza sistema [kWp]</b>	25
<b>Area sistema [m<sup>2</sup>]</b>	221
<b>Orientamento moduli</b>	ovest, sud, est
<b>Inclinazione moduli [°]</b>	90
<b>Produzione FV annuale [kWh]</b>	14000

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### COSTI SISTEMA BIPV

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## Stakeholders

### **Progettista principale**

slb\_architekten und ingenieure

### **Produttore componenti BIPV**

Sunovation GmbH  
Glanzstoffstraße 21, Elsenfeld, Deutschland  
info@sunovation.de +49(0) 6022 / 26573-0  
<https://sunovation.de/de>

### **Collaboratori**

Stadtverwaltung Bad Kreuznach, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU - in German)



Autore caso studio: