



## **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

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.

## 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 m<sup>2</sup> (> 5 m height). The BIPV modules are made of high-efficiency monocrystalline cells and fall-proof glazing.

## DATI EDIFICIO

---

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

---

## Sistemi BIPV

### DATI SISTEMA BIPV

---

<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

---

### COSTI SISTEMA BIPV

---

## Stakeholders

### **Progettista principale**

slb\_architekten und ingenieure

### **Produttore componenti BIPV**

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

### **Collaboratori**

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



Autore caso studio: