



## SUPSI

Swiss BiPV Competence Centre



# BMW Welt München-Bayer (D)

## Building Details

### CONTACTS

	Name	Website (or e-mail)
<b>Owner</b>	Bayerische Motoren Werke Aktiengesellschaft	<a href="http://www.bmw.com">www.bmw.com</a>
<b>Architect</b>	Wolf Prix of COOP HIMMELB(L)AU	<a href="http://www.coop-himmelblau.at">www.coop-himmelblau.at</a>
<b>Energy Consultant</b>	Transsolar & Baumgartner	<a href="http://www.baumgartner-gmbh.de">www.baumgartner-gmbh.de</a> <a href="http://www.transsolar.com">www.transsolar.com</a>
<b>PV Installer</b>	SunStrom	<a href="http://www.sunstrom.de">www.sunstrom.de</a>

### BUILDING

<b>Completion year</b>	2007	Building	2007	PV Plant
<b>Category</b>	<b>New</b>	Renovation	Enlargement	Other
<b>Typology</b>	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	<b>Museum</b>

### Description

One of the central design ideas was to expand the existing configuration of the BMW Tower and the museum with an additional element so as to create a spatial, ideal, and identity-forming architectural ensemble. The design proposal consists of a large transparent hall with a sculptural roof and a double cone originated by the relation with the existing company headquarter building. Due to the complex morphology of building the PV needs to follow the customized shape of the roof with a special adjustment of panel rows that are fit to surface geometry.



## BiPV Details

### LOCATION OF PLANT

<b>Roof</b>	Flat roof	Sloped	<b>Curved</b>	
<b>Façade</b>	Cladding	Balcony	Greenhouse	Curved
<b>Glass</b>	Façade	Roof	Solar shading	Canopy
<b>Orientation (</b>	South	West	East	North

### ARCHITECTURAL EVALUATION

**Color** dark blue (with a black foil on the back)

**Transparency** opaque

**Frame** Framed modules

**Aknowledgments** Selected landmark of 2008 (part of the initiative "Germany – Land of Ideas", RIBA European Award 2008 (Royal Institute of British Architects), WAF Award 2008

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	N/A	
	<b>Module</b>	3'660 SOLARWATT (M220-60 GET LK BLACK)	
<b>Power</b>	<b>kWp</b>	823.5	
<b>Size</b>	<b>m<sup>2</sup></b>	8000	
<b>Energy production</b>	<b>kWh/year</b>	N/A	