



Stade de Suisse Berne (CH)

Building Details

CONTACTS	Name	Website (or e-mail)		
Owner	Stade de Suisse Wankdorf Nationalstadion AG	www.stadedesuisse.ch		
Architect	Luscher Architectes & Schwaar & Partner	www.luscher-architectes.ch		
Energy Consultant	Tritec	www.tritec-energy.com		
PV Installer	Tritec	www.tritec-energy.com		
BUILDING				
Completion year	2005 Building	2009 PV Plant		
Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renovation	<input type="checkbox"/> Enlargement	<input type="checkbox"/> Other
Typology	<input type="checkbox"/> Residential	<input type="checkbox"/> Administration	<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Sport
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Urban	<input type="checkbox"/> Historical	<input type="checkbox"/> Other

Description

Stade de Suisse in Bern city was built on rests of the old Wankdorfstadion demolished in 2001. The new stadium has a capacity of about 32,000 spectators. It is built according to a modern concept for a stadium: the structure is not only used for games but also for several social infrastructures, opened every day. Moreover during the construction Pv solar panels have been integrated into the roof, representing one of the widest PV plants on a stadium in all over the world. With more than 1 MW of peak power.



BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved	
Façade	Cladding	Balcony	Greenhouse	Curved
Glass	Façade	Roof	Solar shading	Canopy
Orientation (façade)	South	West	East	North

ARCHITECTURAL EVALUATION

Color	Dark Blue
Transparency	opaque
Frame	Framed modules fastened with alufix system
Aknowledgments	Swiss solar prize 2005. Eurosolar 2005

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	N/A	
	Module	Kyocera KC167GH-2 (5'122 units); Kyocera KC175GHT-2 (2'808 units)	
Power	kWp	855 + 487	
Size	m²	6541 + 3586	
Energy production	kWh/year	700 000 + 434 045	