



SUPSI

Swiss BiPV Competence Centre



Ice Rink Skating Laufen, Kanton Basel (CH)

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	-	-
Architect	-	-
Energy Consultant	Sundesign GmbH	www.sundesign.ch
PV Installer	EBL	www.ebl.ch
BUILDING		
Completion year	- Building	2012 PV Plant
Category	New	Renovation Enlargement Other
Typology	Residential	Administration Industrial Sport
	Agricultural	Urban Historical Other
Building Energy Performance	kWh/m ² y	-

Description

The ice rink skating is located in Laufen, in Canton Basel, nearby the railway and the train station. The building is characterized by a timber framed roofing on which a PV plant with a peak power of 180 kWp is installed. Its energetic annual production, that is grid connected, is about 165,000 kWh and it would be sufficient to satisfy about 42 families' demand. The 1730 black solar modules are installed on a supporting aluminum substructure creating an homogeneous surface.

Acknowledgments -



SOURCE: www.sundesign.ch

BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved
Façade	Cladding	Balcony	Greenhouse Curved
Glass	Façade	Roof	Solar shading Canopy
Orientation	South	West	East North
BiPV System	In roof solar tiles (PV modules)		

ARCHITECTURAL EVALUATION

Color	Black
Transparency	opaque
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	-	
Power	kWp	180	
Size	m²	1300	
Energy production	kWh/year	165,000	
Cost	€/m²	-	