



SUPSI

Swiss BiPV Competence Centre



Prix solaire Suisse 2008

Lauper Pilot Installation Gasel (BE-CH)

Building Details

CONTACTS

Name

Website

Owner

Architect

Energy Consultant

PV Installer

BUILDING

Completion year

2010 Building

2010 PV Plant

Category

New

Renovation

Enlargement

Other

Typology

Residential

Administration

Industrial

Sport

Agricultural

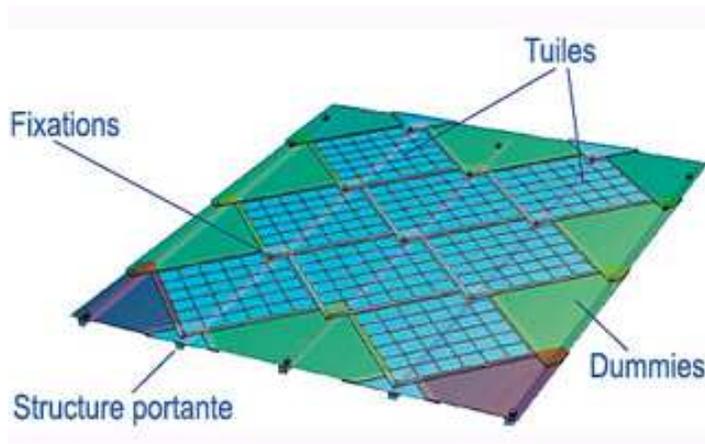
Urban

Historical

Other

Description

The roof renovation of this building becomes the opportunity to experiment a solar PV roof within a sensible context with relevant landscaping and environmental values. The roofing system is made by square tiles whose diagonals overlap from top to bottom. The crystalline solar cells are arranged between an outer sheet of tempered glass and an inner sheet of Tedlar. The edges are sealed – without a frame – to avoid humidity penetrating and guarantee the durability of the components. The photovoltaic tiles are attached to the underlying load-bearing structure using specially designed water-tight fixings. On the edge of the roof, dummies (edging tiles) are used to ensure a clean finish to the roof.



Solaire France

BiPV Details

LOCATION OF PLANT

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

ARCHITECTURAL EVALUATION

Color	Blue
Transparency	opaque
Frame	frameless
Acknowledgements	Swiss Solar Prize 2008

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	N/A	
	Module	PV shingles, Solaire France ®	
Power	kWp	22,4	
Size	m²	166	
Energy production	kWh/year	20 800	