



SUPSI

Swiss BiPV Competence Centre



Etable communautaire de Moosboden Melchnau (BE)-CH

Building Details

CONTACTS

Owner

Architect

Energy Consultant

PV Installer

Name

Website

Zaugg AG Rohrbach / Hans Spielmann N/A

Pvenergie AG / Stefan Bigler, Niederönz N/A

JugendSolarProjekt Greenpeace N/A

BUILDING

Completion year

2010 Building

2010 PV Plant

Category

New

Renovation

Enlargement

Other

Typology

Residential

Administration

Industrial

Sport

Agricultural

Urban

Historical

Other

Description

Energie Wasser Bern, the Industrial Services Betriebe Langenthal and the community of Moosboden are the initiators of the project that have chosen to use one of the two slopes of the roof for the installation of photovoltaic panels. The installation, which covers a large uniform surface, is well aesthetically integrated in the building. The panels are mounted as a tiling surface ensuring waterproofing with a back ventilated air gap through which the heat is recovered for drying the hay. This installation allows providing electricity to 70 not renovated houses but could also ensure all the required power for domestic hot water, heating and electricity for 250 Minergie-P refurbished houses.



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	Dark blue with black background
Transparency	opaque
Frame	frameless
Aknowledgements	

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	N/A	
	Module	130X88X6,5 cm	
Power	kWp	264	
Size	m²	1 885	
Energy production	kWh/year	250 000	