



Photo: SUPSI-BFE

Neuer Firmensitz

Sursee, Canton of Lucerne (CH)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Berger&Frank Architekten AG	www.bfarchitekten.ch
Architect	Berger&Frank Architekten AG	
Civil engineer / constructor	Ingenieurbüro Mathys AG	www.ing-mathys.ch
Electrical engineer	Elektroplan AG	www.elektroplan-ag.ch
HVAC Engineer	Stalder & Felber Planungs AG	
PV Planning and installation	Schürch-Egli AG	www.schuerch-egli.ch

BUILDING

Completion year	2012	Building	2012	PV Plant
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other
Building Energy Performance	kWh/m²y		92	

Description

This building is the new headquarters of Berger&Frank Architekten AG in Sursee. It is built in order to achieve energy efficiency, both through passive design technique and active solutions (renewable energy systems and energy management system). The building has oblique and rounded walls facing south that provide useful surface for PV installation. The PV system is perfectly integrated in the building envelope. Indeed, PV modules have been tailored in order to fit the shape of the envelope. The result is an homogeneous BIPV facade, reminiscent of cut diamond.

Aknowledgments Minergie Label



Photo: SUPSI-BFE



Photo: SUPSI-BFE

BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved
Façade	Cladding	Balcony	Double skin Curved
Glass	Façade	Roof	Solar shading Canopy
Orientation	South	West	East North
BiPV System	Cladding of ventilated facade (PV modules)		

ARCHITECTURAL EVALUATION

Color	Black
Transparency	Opaque
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION	Use of customized PV panels for realizing the unusual envelope shape		

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	-	
Power	kWp	18 kWp	
Size	m²	140	
Energy production	KWh/year	n.a.	
Cost	CHF/kW_p	10'700	