



SUPSI

Swiss BiPV Competence Centre



Pictures: Urs Kessler ©

Erni House Untersiggenthal (CH)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Erni Family	
Architect	Felix Bislin, Baden, CH	http://www.arch-werk.ch
Energy Consultant	Enecolo, Kröni; E. Schweizer; SolarMarkt	www.enecolo.ch ; www.schweizer-metallbau.ch ; www.solarmarkt.com

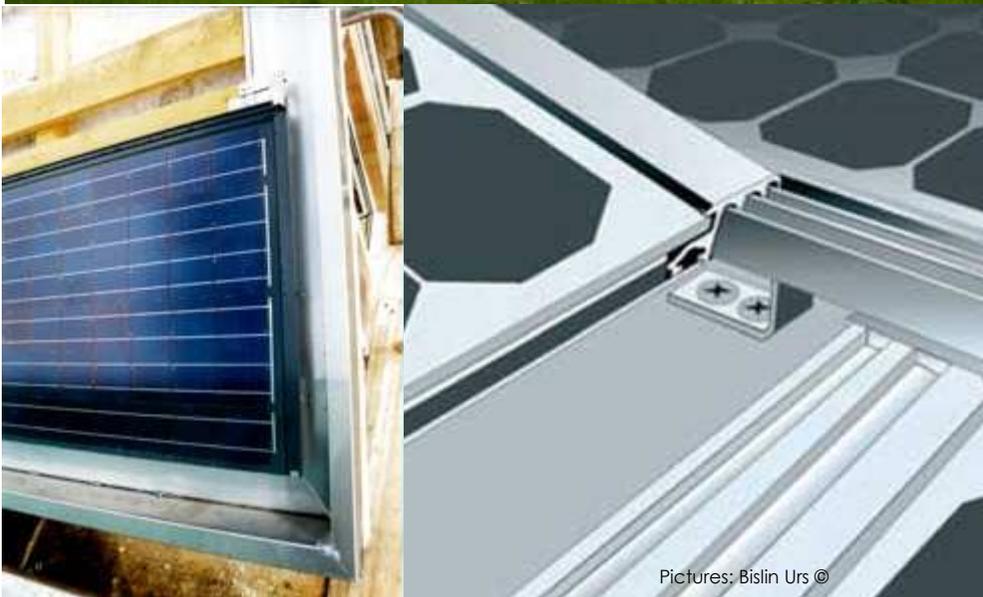
PV Installer

BUILDING

Completion year	2001 Building	2001 PV Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

Description

The Erni House is a private mono-family house in Untersiggenthal. It is Minergie labeled. Beside to the general energy efficiency of the envelope, the building is characterized by a completely energized roof. PV integration is extended to the whole roof surface in which solar tiles replace the traditional tiling layer. Two skylights are placed within the solar surface and there is a chimney around which solar panel are removed due to the shadowing. The project received the 2011 Swiss Solar Prize.



Pictures: Bislin Urs ©

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
Transparency	opaque
Frame	Framed module
Acknowledgements	Prix Solaire Suisse 2001

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	Crystalline silicon	
	Module	Schott solar ASE-100	
Power	kWp	11.7	
Size	m²	110	
Energy production	kWh/year	10 500	