



Dauwalder House Birmenstorf (A)

Building Details

CONTACTS

Owner

Private

Architect

Reto Miloni

<http://www.miloni.ch/>

Energy Consultant

PV Installer

Name

Website (or e-mail)

BUILDING

Completion year

2002 Building

2002 PV Plant

Category

New

Renovation

Enlargement

Other

Typology

Residential

Administration

Industrial

Sport

Agricultural

Urban

Historical

Other

Description

The building is characterized by a low energy demand thanks to the Minergie concept that required a performative envelope as well as efficient services. PV systems, for an amount of about 9 kW power peak, are placed onto the roof (7,6 kWp) and onto facade, as a cladding material between openings. The PV facade system becomes one of the main material of architectural language and of building envelope recognizability.





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	Anthracite
Transparency	Opaque
Frame	frameless

Aknowledgements

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	mono-Si	
	Module		
Power	kWp	7,6 (roof) + 1,5 (façade)	
Size	m²		
Energy production	kWh/year		

