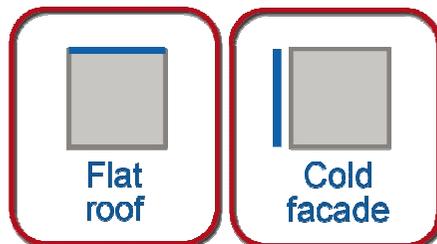


SUPSI

Swiss BiPV Competence Centre



Bühler Electricité SA

Monthey, canton Valais (CH)

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	Bühler Electricité SA	www.bem.ch
Architect	Kurmann & Cretton SA	www.kurmann-cretton.ch
Energy Consultant	Bühler Electricité SA	www.bem.ch
PV Installer	Acomet SA	www.acomet.ch

BUILDING

Completion year	2002 Building	2008 - 2011 Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

Building Energy Performance kWh/m²y -

Description

This intervention regards the realization of a PV system on the existing office building of Buhler Electricité company in Monthey, canton Valais (CH). The system produces 96 MWh/y total, allowing the total energy autonomy of its site.

On the original building, labeled Minergie in 2003, a perfectly integrated solar façade is installed on a part of the south side replacing the final layer of the wall, besides to a PV plant placed on the flat roof through an overlapped system.

Acknowledgments -



SOURCE: Bühler Electricité

BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved
Façade	Cladding	Balcony	Greenhouse Curved
Glass	Façade	Roof	Solar shading Canopy
Orientation	South	West	East North
BiPV System	Façade opaque cladding; On-Roof overlapped Systemp (BAPV)		

ARCHITECTURAL EVALUATION

Color	Black
Transparency	Opaque
Frame	Frameless (façade); Aluminum frame (Roof)

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	-	
Power	kWp	-	
Size	m²	-	
Energy production	kWh/year	6000 (Façade); 90000 (Roof)	
Cost	€/m²	-	