



Monte Rosa Hut Zermatt (VA- CH)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	SAC Sektion Monte Rosa	www.section-monte-rosa.ch/
Architect	ETH Studio Monte Rosa	http://bearth-deplazes.ch
Energy Consultant	Lauber IWISA AG, Muntwyler Energietechnik AG	http://www.lauber-iwisa.ch

PV Installer

BUILDING

Completion year	2009 Building	2009 PV Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Mountain hut

Description

The defining feature of the architectural concept for the New Monte Rosa Hut is its splendid isolation within Alpine landscape, in an extreme climatic location far from easy supply networks. The new hut therefore had to be as autonomous as possible and independent from the external environment. These requirements had a direct impact on the planning. The photovoltaic panels are integrated in the facade of the building adding a double function to the building's envelope and introducing an interesting dialog with shimmering aluminium claddings. The building looks like a glazed crystal at 2,883 meters above sea level, and it is almost completely self-sufficient.



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

ARCHITECTURAL EVALUATION

Color	Dark Blue
Transparency	opaque
Frame	Framed with sealing and windproof joint
Acknowledgments	2010 Swiss Solar Prize, 2008 Holcim Award bronze Europe

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	Mono-Si	
	Module	3S Swiss Solar Systems—customized	
Power	kWp	16	
Size	m²	110	
Energy production	kWh/year	21 000	