



Baserga Mozzetti Architetti ®

Avalanche Shelter

Frasco (TI- CH)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Municipality of Frasco	www.frasco.ch
Architect	Nicola Baserga & Christian Mozzetti	www.basergamozzetti.ch
Energy Consultant	Ecosinergie Sagl	www.ecosinergie.ch
PV Installer	Ecosinergie Sagl	www.ecosinergie.ch

BUILDING

Completion year	2009 Building	2009 PV Plant		
Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renovation	<input type="checkbox"/> Enlargement	<input type="checkbox"/> Other
Typology	<input type="checkbox"/> Residential	<input type="checkbox"/> Administration	<input type="checkbox"/> Industrial	<input type="checkbox"/> Sport
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Urban	<input type="checkbox"/> Historical	<input checked="" type="checkbox"/> Shelter

Description

Thanks to this intervention the Municipality of Frasco provided a temporary housing to families that, living in high-risk areas, need leaving their homes in case of avalanche alarm. The building has 12 rooms with private bathroom and can also be used for tourism maintaining a function. The roof becomes a solar surface hosting an integrated PV system composed by flexible membranes supporting a thin film laminate onto the top.



Ecoenergie ®

BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved
Façade	Cladding	Balcony	Greenhouse Curved
Glass	Façade	Roof	Solar shading Canopy
Orientation (façade)	South	West	East North

ARCHITECTURAL EVALUATION

Color	Dark blue
Transparency	opaque
Frame	Frameless—flexible

Aknowledgments

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	a-Si triple junction Unisolar PVL-136	
	Module	General Membrane – General Solar PV	
Power	kWp	22	
Size	m²	360	
Energy production	kWh/year	20 350	