



SOURCE: solaragentur.ch

Solar Church

Halden, Canton St. Gall (CH)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Evang. Kirchgemeinde Tablat	
	Kath. Kirchgemeinde St.Galle	
Architect	Forrer Krebs Ley, St Gallen	www.f-k-l.ch
Energy Consultant	Energiebüro AG, Zürich	www.energieburo.ch
PV Installer	Ars solaris Hächler	www.ars-solaris.ch

BUILDING

Completion year	1986 Building	2010 PV Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other
Building Energy Performance	kWh/m²y		-	

Description

This church results to be the first in Swiss with a completely integrated solar roof and it is a good example of renovation for ecclesiastic buildings.

Thanks to the combination of aesthetic criteria, specific for a church, and the intelligent use of solar energy it received in 2012 the Swiss Solar Prize.

In the south, the old corrugated Eternit roof has been eliminated, replaced by a system with higher thermal insulation and with monocrystalline high efficiency PV cells in blue color.

Acknowledgments

Swiss Solar Prize 2012 Cat.: Institution



SOURCE: www.sgs.ch



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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	In-Roof Solar Tiles (PV modules)			

ARCHITECTURAL EVALUATION

Color	Blue
Transparency	opaque
Frame	

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	Indach SunPower Solrif	
Power	kWp	46	
Size	m²	255	
Energy production	kWh/year	49000	
Cost	€/m²	-	