



Feat building Lugano (TI-CH)

Building Details

CONTACTS	Name	Website (or e-mail)		
Owner	Hoteler Operator Federation Ticino (FEAT)	www.gastroticino.ch		
Architect	Claudio Lo Riso	www.loriso.ch		
Energy Consultant	Tami Cometta SA	www.tami-cometta.ch		
PV Installer	Colt Solar Technology AG	www.coltinfo.ch		
BUILDING				
Completion year	1972 Building	1997 PV Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

Description

The renovation becomes an opportunity for re-cladding the whole building envelope introducing both a new image as well as a new active and selective building skin. The southward facade is transformed in a solar capturing surface. PV shading devices, consisting in white translucent glazed and semitransparent modules, are mounted onto a moveable structure able to be oriented (on the horizontal axis) in different ways maximizing solar potential and to properly control solar radiation that are indoor solar gains in summer and winter.



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	black (cells) and white (laminates)
Transparency	partially (30%)
Frame	Frameless glazed laminates
Aknowledgments	Swiss solar prize 1998

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	scSi	
	Module	Shadovoltaic (Colt)	
Power	kWp	3.8	
Size	m²	26	
Energy production	kWh/year	3 500	