



SUPSI

Swiss BiPV Competence Centre



Staatliche Realschule

Landshut(D)

Building Details

CONTACTS	Name	Website (or e-mail)		
Owner	Staatliche Realschule Landshut	www.rs-landshut.de		
Architect	Architekt – Rainer Thum A – R.T.	www.architekt-rainer-thum.de		
Energy Consultant	Ertex Solar GmbH	www.ertex-solar.at		
PV Installer	-	-		
BUILDING				
Completion year	1960 Building	2009 Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other
Building Energy Performance	kWh/m ² y			

Description

This intervention is the refurbishment of a '60s scholastic building in the Bavarian city of Landshut in Germany.

The project regards a full renovation, for the energy improvement, of the existing building, a requalification of the classrooms, administration and sports area and an installation of a solar system. The PV plant is integrated in the existing external wall of the stairs blocking. The re-cladding of façade on the south side is made by 78 photovoltaic modules in laminated insulated glass anchored by metal system, with a power of 8 kW power peak.

Aknowledgments -



SOURCE: ertex solar

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 (Cold façade)			

ARCHITECTURAL EVALUATION

Color	Black
Transparency	Opaque
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	n° 78 VSG 5/5 (835x1200mm)	
Power	kWp	8	
Size	m²	78	
Energy production	kWh/year	-	
Cost	€/m²	-	