



# SG Ennstal Liezen (A)

## Building Details

### CONTACTS

	Name	Website (or e-mail)
<b>Owner</b>	Gem. Wohn- u. Siedlungs-	<a href="http://www.wohnbaugruppe.at">www.wohnbaugruppe.at</a>
<b>Architect</b>	Gerhard Kreiner KREINERarchitektur ZT	<a href="http://www.kreinerarchitektur.at">www.kreinerarchitektur.at</a>
<b>Energy Consultant</b>	Ertex Solar GmbH	<a href="http://www.ertex-solar.at">www.ertex-solar.at</a>
<b>PV Installer</b>	Starmann Metallbau GmbH	<a href="http://www.starmann-metallbau.at">www.starmann-metallbau.at</a>

### BUILDING

<b>Completion year</b>	Building	2011	Plant
<b>Category</b>	New	Renovation	Enlargement Other
<b>Typology</b>	Residential	Administration	Industrial Sport
	Agricultural	Urban	Historical Other

**Building Energy Performance** kWh/m<sup>2</sup>y

### Description

The intervention concerns a complete refurbishment of an existing office building in the small city of Liezen in Austria which also includes a building addition on the south-western side. The existing volume already had a perfect thermal insulation corresponding to low energy standard. It is characterized by ribbon windows and cladding panels ivory colored. A new 2 storey volume is connected to the old building. It stands on V columns and has a glazed cladding, that reflects the surrounding urban landscape, and distinguishes the new construction by the black and red color. The red color is also chosen for PV modules consisting in laminated safety glass perfectly integrated in a part of the south side of the old building.

### Aknowledgments -



SOURCE: ertex solar

## BiPV Details

### LOCATION OF PLANT

<b>Roof</b>	Flat roof	Sloped	Curved	
<b>Façade</b>	Cladding	Balcony	Greenhouse	Curved
<b>Glass</b>	Façade	Roof	Solar shading	Canopy
<b>Orientation</b>	South	West	East	North
<b>BiPV System</b>	Façade opaque cladding			

### ARCHITECTURAL EVALUATION

<b>Color</b>	Red
<b>Transparency</b>	opaque
<b>Frame</b>	Frameless

### COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
<b>DESCRIPTION</b>	Red color modules.		

### SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	-	
	<b>Module</b>	12 Ertex solar VSG 8/8 (1600x2500mm)	
<b>Power</b>	<b>kWp</b>	1.9	
<b>Size</b>	<b>m<sup>2</sup></b>	48	
<b>Energy production</b>	<b>kWh/year</b>	-	
<b>Cost</b>	<b>€/m<sup>2</sup></b>	48	