



# Einfamilienhaus Mettmenstetten (ZH - CH)

## Building Details

### CONTACTS

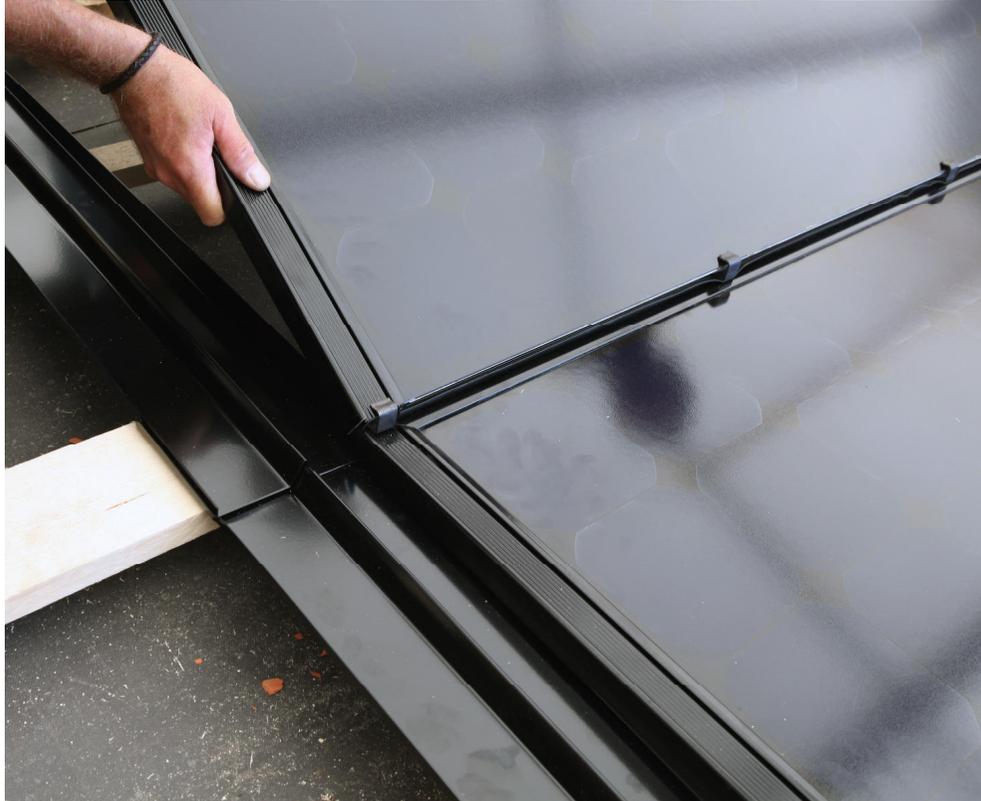
	Name	Website (or e-mail)
<b>Owner</b>	Private	
<b>Architect</b>	Schnider Solar AG, Bonstetten	<a href="http://www.schnider-bonstetten.ch/">www.schnider-bonstetten.ch/</a>
<b>Energy Consultant</b>	Schnider Solar AG, Bonstetten	<a href="http://www.schnider-bonstetten.ch/">www.schnider-bonstetten.ch/</a>
<b>PV Installer</b>	Schnider Solar AG, Bonstetten / Elektro Roth AG, Mettmenstetten	

### BUILDING

<b>Completion year</b>	2000 Building	2011 PV Plant		
<b>Category</b>	New	Renovation	Enlargement	Other
<b>Typology</b>	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

### Description

The building is characterized by the solar roof introduced with a partial renovation of the existing roof covering. The solar tiles, with a power peak of 5.6 kWp, completely replace the geometric existing surface defining an homogeneous PV integration. The PV tiles replace the function of the roof tiling with the watertightness role.



## BiPV Details

### LOCATION OF PLANT

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

### ARCHITECTURAL EVALUATION

<b>Color</b>	Dark-blue
<b>Transparency</b>	Opaque
<b>Frame</b>	Framed (Solrif)
<b>Aknowledgements</b>	-

### SPECIFICATION

<b>Photovoltaic</b>	<b>Monocrystalline</b>	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	-	
	<b>Module</b>	SunPower 225 W	
<b>Power</b>	<b>kWp</b>	5.6	
<b>Size</b>	<b>m<sup>2</sup></b>	-	
<b>Energy production</b>	<b>kWh/year</b>	5700	