



## SUPSI

Swiss BiPV Competence Centre



# Schneider Langenbruck

Langenbruck , Basel-Landschaft (CH)

## Building Details

CONTACTS	Name	Website (or e-mail)
<b>Owner</b>	Ulrich Schneider	<a href="mailto:ulrich.schneider@scp-partner.ch">ulrich.schneider@scp-partner.ch</a>
<b>Architect</b>	Von Arx Systems ag	<a href="http://www.vonarxsystems.ch">www.vonarxsystems.ch</a>
<b>Energy Consultant</b>	EBL	-
<b>PV Installer</b>	Von Arx Systems ag	<a href="http://www.vonarxsystems.ch">www.vonarxsystems.ch</a>

## BUILDING

<b>Completion year</b>	Building	2013	PV Plant	
<b>Category</b>	New	Renovation	Enlargement	Other
<b>Typology</b>	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other
<b>Building Energy Performance</b>	<b>kWh/m<sup>2</sup>y</b>	-		

## Description

This project concerns the realization of a residential building in Langenbruck in the canton of Basel (CH). The roof has been replaced by a combination of 6 solar thermal panels, arranged on the ridge, and 34 monocrystalline photovoltaic modules that offers an annual energy production of 5,800 Kwh. To cover the gaps in correspondence of the chimneys and the skylight, special roofing sheets have been used for completing the aesthetic integration.

**Acknowledgments** -



SOURCE: [www.vonarsystems.ch](http://www.vonarsystems.ch)

## 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>	In-Roof Solar Tiles (PV modules)		

### ARCHITECTURAL EVALUATION

<b>Color</b>	Antrazit
<b>Transparency</b>	opaque
<b>Frame</b>	Framless (glass-glass)

### COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
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**DESCRIPTION** To cover the gaps in correspondence of the connections have been

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	CIGS	
	<b>Module</b>	Megaslate II, 170 Wp, Meyer Burger	
<b>Power</b>	<b>kWp</b>	5.78	
<b>Size</b>	<b>m<sup>2</sup></b>	65	
<b>Energy production</b>	<b>kWh/year</b>	5800	
<b>Cost</b>	<b>€/m<sup>2</sup></b>	-	