



# Alpine chalet Kuhn

Brissago, Canton Ticino(CH)

## Building Details

CONTACTS	Name	Website (or e-mail)
Owner	Fam. Kuhn, Brissago	-
Architect	-	-
Energy Consultant	TRITEC AG Schweiz, Zweigniederlassung	<a href="http://www.tritec-energy.com">www.tritec-energy.com</a>
PV Installer	TRITEC AG Schweiz, Zweigniederlassung	<a href="http://www.tritec-energy.com">www.tritec-energy.com</a>

## BUILDING

Completion year	Building	2009	PV Plant
Category	New	Renovation	Enlargement Other
Typology	Residential	Administration	Industrial Sport
	Agricultural	Urban	Historical Other
Building Energy Performance	kWh/m <sup>2</sup> y	-	

## Description

This Alpine chalet is located in a mountain area in Brissago , Canton Ticino (CH) and it is a private dwelling. The project provides a PV integration system inserted in as a part within the traditional roof tiling: in the upper part, the final layer of the traditional roof is replaced by 12 modules MegaSlate in high efficiency monocrystalline cells with the power of 1.78 kWp offering an annual production of 2,130 kWh/y. The PV tiling replaces the function of the roof tiling with the watertightness role.

**Aknowledgments** -



SOURCE: [www.tritec-energy.com](http://www.tritec-energy.com)

## 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/laminates)			

### ARCHITECTURAL EVALUATION

<b>Color</b>	Black
<b>Transparency</b>	opaque
<b>Frame</b>	frameless

### COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>		
	<b>Module</b>	MegaSlate 148 Wp	
<b>Power</b>	<b>kWp</b>	1.78	
<b>Size</b>	<b>m<sup>2</sup></b>	-	
<b>Energy production</b>	<b>kWh/year</b>	2130	
<b>Cost</b>	<b>€/m<sup>2</sup></b>	-	