



**eV-Chalet**

## Introduction

eV-Chalet is an off-grid public informative structure, characterised by a BIPV roof system. It is result of a special collaboration between eV-Now! (Ente Privato di Ricerca, Sviluppo e Promozione della Mobilità Elettrica) and Morterone municipality.

## Energy integration

eV-Chalet is an energy self-sufficient structure. The BIPV system supplies a heat pump and several devices (i.e. Wifi connection, weather station, electric vehicles charging points, info-monitor, video surveillance).

## PROJECT DATA

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<b>Project type</b>	new construction
<b>Building use</b>	receptive
<b>Building address</b>	Località centro, Morterone, Ballabio (LC), Italy

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## BIPV systems

### BIPV SYSTEM DATA

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<b>Architectural system</b>	opaque roof
<b>Integration year</b>	2021
<b>Active material</b>	monocrystalline silicon
<b>Module transparency</b>	opaque
<b>Module technology</b>	glass-glass, hidden PV, standard modules
<b>System power [kWp]</b>	8.8
<b>Module dimensions [mm]</b>	1,000 x 1,500
<b>Modules orientation</b>	North-West, South-East

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### BIPV SYSTEM COSTS

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## Stakeholders

### **BIPV system designer**

GruppoSTG Srl

### **BIPV system installer**

GruppoSTG Srl

Via P. Paleocapa 19, Bergamo (BG), Italy

+39 035-0510171

<https://www.gruppostg.com/it/>

### **BIPV components producer**

GruppoSTG Srl

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Case study author: