

Alpiner Stützpunkt Schiestlhaus, Austria



Photo: DI Wilhelm Hofbauer/Treberspurg & Partner Architekten

Alpiner Stützpunkt Schiestlhaus

An integrated (overall) concept for an ecological alpine refuge hut based on solar energy

PROJECT

The Schiestlhaus of the Austrian Tourist Club (ÖTK) is situated at an altitude of 2154 m above sea level on a plateau directly under the main summit of the Hochschwab. It is the first large mountain refuge built to passive house standards with the capacity to accommodate 70 people.

The south-facing facade has been designed as an energy-facade system and is the main energy supplier of the building. The upper story features 46 m² of facade-integrated solar collectors for the generation of thermal energy.



Photo: DI Wilhelm Hofbauer/Treberspurg & Partner Architekten

Key figures

- 550m² effective area (including basement),
- 70 beds,
- 160 seats (including terrace)

Heating system

Heat supply and storage is effected by means of three buffer storage tanks with a total capacity of 2,000 litres which are fed, for the most part, by the facade integrated thermal collectors.

Heat supply relies on the following system:

- The solar collector transfers heat via heat exchanger to the buffer storage tanks.
- A rape oil operated unit loads heat directly into the buffer storage tanks.
- The solid fuel range can also transfer heat into the buffer storage tanks.

Photo: DI Wilhelm Hofbauer/Treberspurg & Partner Architekten



GALLERY



PHOTOS;

DI Wilhelm Hofbauer/
Treberspurg & Partner Architekten

- Built/Completion:
2005
- Client:
Austrian Tourist Club.
- General Planning:
Contractor and architect pos
Treberspurg & Partners
Architects
- Building Physics:
DI Wilhelm Hofbauer,
DI Dr. Karin Stieldorf
- Design:
solar4alpin (Rezac shaft village
Oettl-Treberspurg)
- Address/Location:
Hochschwab, Stm
- Type of project:
Sports and leisure
- Read more: <http://www.treberspurg.com/home/alpiner-stutzpunkt-schiestlhaus/>

