

## Val Thorens, France



Picture source: AEE INTEC

Architectural integration of solar thermal energy systems

## Val Thorens, Multi-family house with roof integrated solar collectors

### PROJECT

The building "Gebroula", a residential dwelling for seasonal workers in the sports resort Val Thorens, was renovated in 2001. The existing façade and the balconies were very worn by the rigorous climatic conditions at the high altitude. The new metal "crowning" creation on roof, which protects the architectonic elements of the façade, made a solar collectors integration in the south side of the building possible and fit harmoniously in the sculptural play of the cover.



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### Key figures

- 7 floors, 50 housing units
- Heated area: 180 m<sup>2</sup>
- 63 m<sup>2</sup> roof integrated solar collectors (two sections, 31,5 m<sup>2</sup> each)
- 4000 l water heat store
- Energy production from solar system: 29 000 kWh / year

The solar system is contributing to domestic hot water preparation.

### Solar collector:

Glazed flat plate water collector  
Collector producer: CLIPSOL



## GALLERY



### PHOTOS; AEE INTEC

- Built/Completion:  
1976, rehabilitated 2001
- Client:  
OPAC Savoie
- Architect:  
J. P. Chiantello, STUDIO ARCH
- Engineering/Design:  
CENA Engineering
- Address/Location:  
Val Thorens,  
France
- Type of project:  
Multi-family house



- Read more: <http://www.aee-intec.at/0uploads/dateien354.pdf>