

Ennstal - Neue Heimat – Wohnbauhilfe (ENW), Graz /Austria



Picture source: AEE INTEC

Architectural integration of solar thermal energy systems

Ennstal - Neue Heimat – Wohnbauhilfe (ENW), Multifamily house and commercial building with roof integrated solar collectors

PROJECT

The project consists of 61 flats - different sizes from 40m² and up to 90 m² each, 1500 m² office area and a cafeteria. The solar system is a combined system, providing both space heating and domestic hot water - about 14 % of the total demand.

Energy efficiency and increased use of renewable energy sources are important issues for the non-profit building association ENW, which can refer to more than 10 years of experience with solar energy.



Picture source: AEE INTEC

Key figures

- Solar collector area:
240 m² - roof integrated
- Heat store:
20 m³ water heat store
- Heat distribution:
Radiators
- Auxiliary heating:
District heating of the city of Graz

Solar collector

Glazed flat plate water collector



Picture source: AEE INTEC

GALLERY



PHOTOS; AEE INTEC

- Built/Completion:
2003-2004
- Client:
Neue Heimat, gemeinnützige
Wohnungs- und
Siedlungsgenossenschaft in
Steiermark GmbH, Graz
- Architect:
DI Kurt Fandler, Graz
- Project consultants:
AEE INTEC
- Address/Location:
Theodor-Körner-Strasse 120,
Graz, Austria
- Type of project:
Multi-family house +
Commercial building

