

# OBJECT OF THE MONTH



## RESIDENTIAL BUILDING, HOPFGARTEN

In addition to the social center in the Elsbethen district, the Alpenländische built a new residential complex in passive house quality. Divided into three buildings, 24 condominiums and 7 apartments were created for Diakoniewerk Tirol. A good coexistence was the top priority in the planning.

All apartments are of the latest standard. There is a heat pump in every building that heats the water to up to 35 degrees and feeds it to the underfloor heating. There is a hot water boiler with an integrated heat pump in every apartment for the domestic water. This leads to a saving of approx. 25% compared to the system of central domestic water heating. The complex also has a controlled ventilation system from PICHLER. A centralized ventilation unit LG 1000 KN was integrated in each roof of the three buildings. The ventilation units contain a highly efficient heat recovery system with an air / air counterflow heat exchanger made of aluminum with a temperature change of 86%, an automatic, 100% bypass and energy-saving radial fans with EC motor technology.

## DATA & FACTS

Location: Tirol

Completion: 2021

Type of building: Passive house residential building

Builder: Alpenländische Gemeinnützige WohnbauGmbH

Architect: Architekt Raimund Rainer ZTGmbH

Building technology: Pletzer Anton GmbH

Products: 3 pcs. LG 1000 KN, spiral ducts & fittings, VAV-USD-Boxes, valves, fire dampers etc.

Product groups:

