



Project Information

Builder-Owner

Vogewosi, Dornbirn

Location

Lustenau

Completion

2010

Project facts

NGF 1.337,00 m² (per phase), BGF

1337 m² (per phase),

BRI 3780 m³ (per phase)

Energie 15 kWh/m²a (Total consumption)

Vogewosi facility in Lustenau, an ecological and accessible residential building.

This project is three residential buildings located in the residential area Hasenfeld am Grindelkanal, in Lustenau.

The three-storey buildings, each with 16 disabled-friendly apartments, are constructed of solid ceilings and an exposed concrete access area, as well as a highly insulated building shell made of timber. Each apartment is assigned an outside area in the form of a private garden or a balcony.

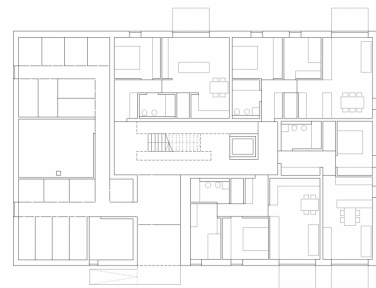
»The project Vogewosi in Lustenau, ecological and accessible public housing. The focus is to combine high-quality construction with modern ecological and energy standards.«

Vogewosi-Geschäftsführer Dr. Hans-Peter Lorenz

The 2nd and 3rd construction phase will be built according to the PHPP guidelines at a Passive House standard, the total energy consumption of the system is therefore below 15 kWh / m²a. For heating support and hot water preparation, a solar system with a 56 m² collector surface will be built. The residual heat requirement is covered by a condensing natural gas boiler.

The heating of the apartment is provided by a low-temperature floor heating with a flow temperature of max. 35°C. The apartments are ventilated by a central ventilation system. The fresh air intake takes place via a ground collector, and is conducted in the ventilation unit via a heat recovery with an 80%+ recovery rate.





Project Stakeholders

Project Leader

DI Christoph Kalb

Colleague

Martin Rümmele

Ing. Benjamin Baumgartl

Project Stakeholders

Structural Engineering

DI Gerhard Moser, Hard

Heating Ventilation and Sanitary Planning

Planungsbüro Reinhard Moser,
Satteins

Electronics Planning

Müllner Energieberatung,
Dornbirn

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