

PROJECT

MINE ROOM
THE HALL OF RESIDENCE

LOCATION
Leoben, Austria

STUDENT DORMITORY

THE DESIGN **CONCEPT**

Inspired by the ore's vibrancy and colour play, the formal and clear-cut buildings are covered with moulded, multi-colour timber cladding. The siding that emerges ever so often from the smooth, untreated larch timber formwork, meanders across the building and will – with time – turn into different shades of grey, brown and red.

The exterior walls consist of a precast timber frame insulated with mineral wool and clad with gypsum fibreboards on both sides. They hardly have any load-bearing function. The external formwork and its substructure were applied in the factory.

Partition walls made from KLH wall elements together with KLH ceiling disks provide horizontal reinforcement.

Both the partition walls and the ceilings are equipped with facing formwork to meet technical requirements regarding sound insulation as well as fire prevention. Projecting sheet metal strips on each storey additionally prevent fire spread on the timber façade.
The door openings cut out of the KLH interior walls were used to manufacture mobile furniture such as benches, tables, stools and sideboards.

The hall of residence with its approx. 5,900 m² of usable area was designed as a passive house in accordance with the criteria stipulated by the passive house institute of Darmstadt. A controlled ventilation system with heat recovery system provides perfectly hygienic room ventilation.





























ARCHITECTURE

aap.architekten ZT-GmbH

BUILDER

Siedlungsgenossenschaft Ennstal

GENERAL CONTRACTOR

Swietelsky Baugesellschaft
Weissenseer Holz-System-Bau

ENGINEERING

KP ZT Tragwerksplanung

PHOTOGRAPHY

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