Biomass Heating Plant, St. Christoph

HK ARCHITEKTEN
Hermann Kaufmann + Partner ZT GmbH

Project Information

Builder-Owner
Alpine Ibex Consulting GmbH, Lech

Location
St. Christoph a. Arlberg

Completion
2014

Project facts
NGF 1255 m^2, BGF 1398 m^2,
BRI 9143 m^3

Meeting all safety requirements and the needs of the land.

This biomass heating plant is located in open countryside to the south-west of St. Christoph. The clear structure is integrated into the surrounding landscape through its reserved design. In the building are the warehouse and the boiler house. The supply of wood chips and disposal of the ash takes place via the south-facing gates.

Construction

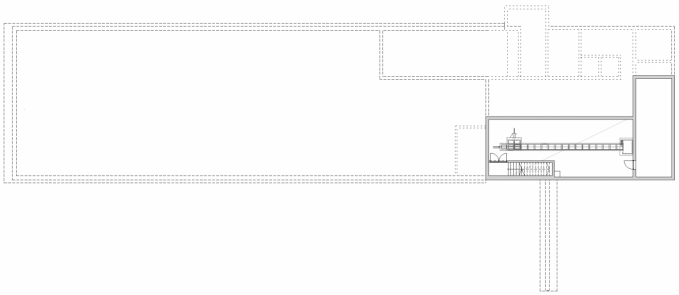
The heating plant building is planned in solid construction. The support structure, exterior walls and false ceilings are a reinforced concrete structure. In the boiler house, the false ceilings and stairs are planned to be partially realised as a mesh steel construction. Due to the situation, the south-facing facades including windows, doors and gates must withstand avalanche pressure (3 KN / m^2 or 2 KN / m^2). In order to protect the high-voltage transmission lines above the building from fire and heat, the entire building is executed in REI 90, EI 90bzw. R 90. The facade, including the roof, is designed as a non-combustible (A2) construction. Doors EI2 90-C and EI2 30-C are used in the warehouse. All ventilation openings are designed with fire dampers EI 90.

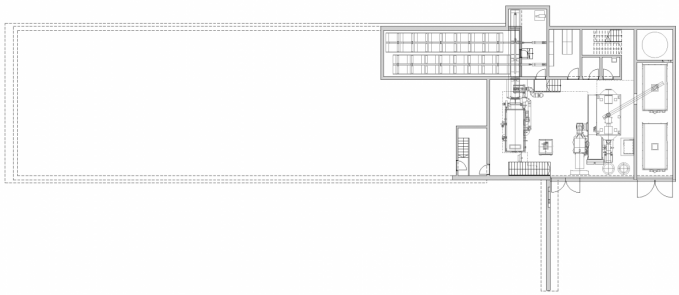
Hermann Kaufmann + Partner ZT GmbH Sportplatzweg 5 A-6858 Schwarzach T +43 5572 58174 F +43 5572 58174-66 office@hkarchitekten.at

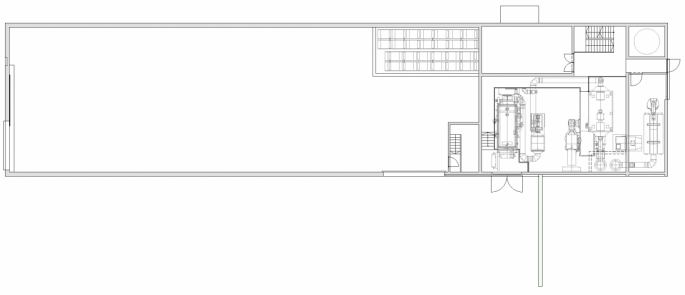
Biomass Heating Plant, St. Christoph

HK ARCHITEKTEN

Hermann Kaufmann + Partner ZT GmbH







Biomass Heating Plant, St. Christoph

Project Stakeholders

Project Leader
DI Mathias Schädler

Cost Planning
hämmerle.tschikof GmbH, Dornbirn

Building Site Manager
hämmerle.tschikof GmbH, Dornbirn

Project Stakeholders

Structural Engineering
Concreate Construction
Dipl.-Ing Gerhard Neuner ZT GmbH, Rum

Heating Ventilation and Sanitary Planning
Wagner GmbH, Nüziders

Electronics Planning
EGIP GmbH, St. Andrä

Rights