

Barn and shed Fischenrüti, Horgen

2018



The former farm with barn and coach house was converted and now houses apartments, studios and a playgroup. The intercultural garden remains a meeting point and place for encounters.

The project

After the condition analysis prepared by Timbatec, Timbatec was responsible for fire protection and building physics. The shed could be preserved, but had to be upgraded. Today it contains the playgroup and workshops. One half of the barn had to be completely demolished and rebuilt. In the other half, the shell could be left standing, and the ceilings and interior walls were rebuilt. This house-in-house solution now houses the 4 apartments, common rooms and studios.

The construction

The timber construction was done in element construction. The surfaces of wood inside and outside are all visible. The internal wall cladding is made of gypsum fiberboard. The new floor slab and staircases are concreted.

The challenge

The existing barn had to be demolished on the one hand and provisionally supported on the other. This required careful handling of the supporting structure and the facade of the barn. Special attention was paid to the building physics requirements for sound and moisture protection.



Balcony



Special folded blanket



Entrance area



Old and new savings (Photos: Anvar Tukhvatulin)

Construction Data

- Timber construction Element construction
- solid wood / BSH: 75 m³
- Staircases concreted
- Gross floor area: 1'200 m²
- number of floors: 3

Construction costs

- BKP 2: 1.5 million Swiss francs
- BKP 214: 1.0 million Swiss francs

Services of Timbatec

- Fire protection planning
- Statics and construction
- SIA phase 51 implementation project
- cost estimation
- SIA Phase 41 Tendering and comparison of offers
- Site supervision and site inspections
- Technical planning of building physics
- Fire protection Quality assurance

Architect

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Client

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Timber construction engineer

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Timber construction

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Building physics

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Construction management

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