Reference projects

Building physics



Farmhouse on Engstringerweg, Regensdorf

2025

Following a fire, the house was renovated and converted into an apartment building with two units. The ceilings had to be upgraded to meet fire safety and sound insulation requirements. The building envelope was partially renovated to improve energy efficiency.



Conversion of the Labör cultural center, Zurich Oerlikon

2025

The Labör joint project is located in Oerlikon and was converted and renovated to improve its energy efficiency for several years of temporary use. Timbatec was asked to provide building physics consulting services for the project.



Multi family house Käsereistr. 6, Niederscherli

2024

A sustainable replacement building constructed using timber and meeting Minergie-P standards: 22 apartments offering a high level of comfort, excellent sound insulation, and an energy-efficient building envelope—carefully designed to ensure superior acoustics, airtightness, and summer heat protection.



New construction A Hüttlenen, Flühli

2024

This four-story residential building with nine apartments consists of CLT ceilings and walls and offers a view of the mountains as a bonus.



Courtyard Waberg, Adetswil

2024

The St. Michael Association runs the Waberg farm, which provides a home and work for people in need of support. Timbatec was responsible for the timber engineering, fire protection, and building physics aspects of the farm renovation.



Burgernziel Tram Depot Development Project, Bern

2023

The Burgernziel development combines a diverse range of residential and commercial spaces with a sustainable hybrid construction method. It features a reinforced concrete structural framework and slabs combined with insulated wood-frame exterior walls and a rear-ventilated ceramic facade.



Renovation of Forchstrasse, Zurich

2023

The conversion of an existing apartment building into an aparthotel combines noise protection, energy efficiency, and sound insulation in a compact space—through precise planning, sustainable technology, and well-thought-out structural solutions within the existing building.



New school building on the Plateau de Diesse, Prêles

2023

Between 2021 and 2023, a new school building made entirely of wood was constructed in Prêles. Swiss timber from the municipality was used by means of in-house procurement, Timbatec was responsible for the timber construction engineering work and building physics.



Conversion of tenant house, Biberstein Castle, Biberstein

2022

The listed residential building was converted into an office building. This included a holistic refurbishment, in which all new construction requirements came into play.



New multi family house out of former barn, Aathal

2022

An old barn was converted into a new apartment building using wood from the owners' forest. The result is a solid-wood house for four families.



Multi family house Wehntalerstrasse 52, Zurich

2021

The replacement building at Wehntalerstrasse 52 in Zurich-Unterstrass is erected. With the use of clay panels, sheep's wool insulation, flexible walls and TS3 technology, the timber construction is highly interesting from an ecological and technical point of view.



Multi family house Fasanenhof, Frenkendorf

2021

In Frenkendorf, the first four-story column-and-slab structure made of wood was built. Thanks to TS3, the building once planned in concrete can be built in wood. The planning with the multi-axial load-bearing cross laminated timber panels is similar to reinforced concrete.



Apartment houses Unterhueb, Zollikerberg

2021

In the case of the apartment buildings on the lower right bank of Lake Zurich, the advantages of TS3 technology and timber construction are both noticeable and visible: the construction method allows flexible room division and timber ceilings that run from the inside to the outside without complex cantilever connections.



Multi family house Bachstrasse, Buchs

2021

The new apartment building in Buchs AG combines the advantages of timber construction and solid construction. The wooden floor slabs, which are only 39 centimeters thick, rest on delicate supports and offer good sound insulation.