

# Reference projects

## Sports halls

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### School complex Ort, Au-Wädenswil

The design and atmosphere of this elementary school's expansion are defined by the use of wood: an innovative structural system featuring Vierendeel trusses spans the triple-purpose sports hall, creating open, versatile classrooms above it., Au-Wädenswil

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### South VIP box at the ice rink, Porrentruy

The Raiffeisen Arena in Porrentruy, the proud home of HC Ajoie, is being expanded with new VIP boxes to offer the most loyal fans a privileged area., Porrentruy

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### Wiesental School, East Building, Baar

The Wiesental School in Baar was adapted to today's requirements by means of a replacement building. The project, implemented using modern timber construction methods and featuring a mega timber framework, combines functionality and aesthetics., Baar

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### Refurbishment multi-purpose hall HUM2, Payern

In the 1970s, the army had a great need for new multi-purpose buildings and had two types of halls developed for this purpose. These buildings are getting on in years and are being renovated and strengthened against earthquakes., Payern

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### Schoolhouse Trachslau, Trachslau

So that the pupils and Kingergärtler of Trachslau do not have to make the journey to Einsiedeln every day, the school building with a gymnasium and a double kindergarten were built entirely in wood., Trachslau

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### Conversion gymnasium, Bure

The old metal structure was reinforced. Timbatec was responsible for the structural details and dimensioning of the roof and the building envelope. Likewise, Timbatec controlled the thermal bridges and surface condensation risks., Bure

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### Raiffeisen Arena, Porrentruy

We don't know whether the regional wood used in the new Raiffeisen Arena in Porrentruy was the decisive factor in HC Ajoie's promotion to the NLA. What is certain, however, is that the ice rink is a showcase project., Porrentruy

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### **Renovation and extension sports center, Gstaad**

Gstaad has made its sports center fit for the future. In addition to the construction of a wellness area, the wooden support structure of the indoor swimming pool was extensively renovated. Timbatec analyzed its condition and defined the renovation measures., Gstaad

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### **Renovation/ new construction Cormanon school, Villars-sur-Glâne**

In Villars-sûr-Glâne, two school buildings were renovated and the gymnasium and the connecting wooden wing were newly built - and all this during ongoing school operations. For everyone involved, this meant planning the work very precisely., Villars-sur-Glâne

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### **School complex Chrüzacher, Bassersdorf**

On the initiative of Timbatec, the new school complex in Bassersdorf ended up with even more wood than planned. Originally, only the walls of the gymnasium were to be made of wood, while the roof was to be made of concrete. Timbatec suggested that the roof should also be made of wood in order to save costs., Bassersdorf

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### **New training center for the sport of polo, Seuzach**

The Polo Park Zurich has relied entirely on wood as a building material for its new center. Both the operations building and the various stable buildings with the horse stalls have been realized as timber frame buildings., Seuzach

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### **Multipurpose hall, Lenk**

As a replacement for an old gymnasium, a modern multi-purpose hall was built in Lenk BE. The roof of the hall and its supporting structure are made of wood. The structure not only has to withstand high snow loads, but also the forces that arise when the sports equipment attached to the structure is used., Lenk

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### **Gymnasium, Bösinge FR**

On behalf of the municipality of Bösinge, Timbatec AG carried out an expertise on the roof of the gymnasium. It showed that the structural safety of the supporting structure was no longer guaranteed., Bösinge FR

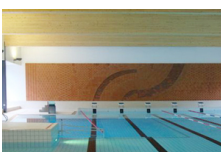
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### **Renovation indoor swimming pool fairy tale hotel, Braunwald**

As part of a roof structure refurbishment in the attached indoor swimming pool of the fairy tale hotel Bellevue in Braunwald, the task was to find an aesthetic solution for beams that were (originally) too small in size. The solution presented itself in the form of a steel substructure made of authentic chrome steel., Braunwald

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### **Renovation indoor swimming pool, Burgdorf**

During the inspection of a steel beam, cracks were found in the adjacent wooden beams. Not nice conditions for a well-attended indoor swimming pool! But Timbatec had the solution., Burgdorf

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### **Multipurpose hall Preisegg, Hasle bei Burgdorf**

The multipurpose hall is located directly next to the Preisegg school complex, in a rural setting. Due to the good cooperation on the project "Eishalle Brännli", the engineers C+S from Hasle and Timbatec from Thun were again commissioned., Hasle bei Burgdorf

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### **New construction indoor swimming pool, Frutigen**

In 2006, the Frutigen indoor swimming pool was destroyed by fire. The demolition of the supporting structure made way for a new indoor swimming pool. In order to design a contemporary indoor swimming pool, the client invited an architectural competition., Frutigen

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### **New construction sports hall Auenfeld, Frauenfeld**

According to the initial plans, the roof structure of the triple gymnasium was to be realized as a shed roof with six large sheds in steel construction. After other structural variants, also in wood, had been examined in detail, the client decided in favor of a flat roof in wood construction., Frauenfeld

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### **New construction of a roof for the Brännli ice rink, Hasle b. Burgdorf**

A roof for the previously open ice rink was to be built over the existing civil defense facility. The building lines allowed hardly any leeway in the design of the roof shape. Limitations had to be observed not only in the ground plan, but also in the section., Hasle b. Burgdorf

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### **New construction sports hall Ebnit, Gstaad-Saanen**

The executed project, a 3-fold gymnasium with combined steel-wood trusses, emerged from an architectural competition in 2002. With the orientation of the shed roof to the south, it is possible to directly use solar energy passively., Gstaad-Saanen

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