

**binderholz** ■

ECONOMICAL AND SUSTAINABLE AT THE SAME TIME □  
COMMERCIAL AND INDUSTRIAL BUILDINGS

# CONSTRUCTION SOLUTIONS

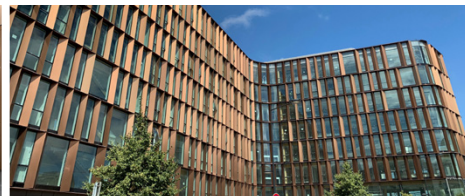
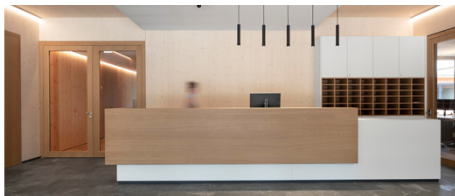
## Commercial | Industrial

For commercial and industrial buildings, hybrid solutions with solid timber are ideal, e.g. solid timber elements in combination with steel and concrete. They are especially suitable for hall construction, where they are sensible both technically and commercially. Roof structures with a primary bearing structure made of GLT glulam can be realized in different shapes. These constructions are comparatively lightweight and comply with the most stringent fire protection requirements. In addition, they are well-designed aesthetically.

Standardized solutions improve the cost-effectiveness of the buildings considerably in this context. The use of system-based building elements is possible in particular in administrative buildings and office buildings. binderholz only uses tested and certified solid timber components for its construction solutions, thus simplifying and expediting the planning and erection of buildings.

Alongside the cost-effectiveness of a project, topics such as sustainability - both in terms of the building material and the use of the building - ecology, energy, life cycle costs and recycling have high priority. For many clients, these aspects take center stage when planning a new office or administrative building. After all, oftentimes they want the properties to be highly representational.

Processed intelligently into a binderholz construction solution, wood as a natural and renewable raw material is especially sustainable and ecological. It can be recovered and is 100% recyclable.



## The Bond Norwest | Australia

The Bond is a highly modern 6-storey office building made from wood located in an industrial area some 30 kilometres outside of Sydney. It houses 10,500 m<sup>2</sup> of industrial office space, medical counselling and treatment rooms, a daycare centre and retail space. The building was erected using binderholz CLT BBS, binderholz glulam and binderholz solid wood panels.



Photos: © Aran Anderson Photography

# The Community Foundation of Middle Tennessee

## Nashville | USA

In Nashville, Tennessee, USA, a two-storey solid timber building was built for a local non-profit that supports charitable associations. It was built using binderholz CLT BBS and binderholz glulam. The exposed timber improves the building's feel-good factor and regulates the humidity within. It was completed in May of 2023.



Photos: © Andrew Keithly Photography



## Sege Park Multi-Storey Car Park

### Malmö | Sweden

Sege Park in Malmö is Sweden's largest multi-storey car park made from solid wood. At 18,000 m<sup>2</sup> of floor area and six stories it provides space for 600 cars, a bicycle garage and a mobility pool. It was built using 1,000 m<sup>3</sup> of binderholz glulam and 3,850 m<sup>3</sup> of binderholz CLT BBS elements, which will sequester some 5,000 tons of carbon in the long term. The elevator shafts and staircases are also made of solid wood.



Photos: © Parkering Malmö

## 't Centrum office building Westerlo | Belgium

One of the building's special features is its circular construction method. It means that the building materials used are easy to recycle, can be consistently reused and retain their value for a long time. Thus, the office building can be completely deconstructed and rebuilt elsewhere. With the three-story structure totalling 2,400 m<sup>2</sup> of floor space, Kamp C and all the partners involved aimed to demonstrate how sustainable construction is possible and inspire the construction industry.

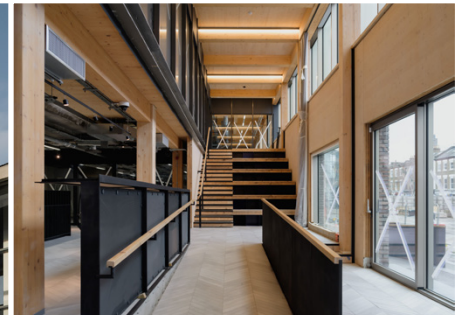




# THE GRAMOPHONE WORKS

London | Great Britain

Based on the canal-side architecture of the past, the impressive 6-storey lightweight construction using glass, binderholz CLT BBS and binderholz 3-ply solid wood panels complements the solid brick plinth that dates back to the 1930s. binderholz CLT BBS and binderholz 3-ply solid wood panels from sustainably managed forests capture more than 1000 tons of CO<sub>2</sub>, making a significant contribution to climate protection.



# Honeycamp

## Mannheim | Germany

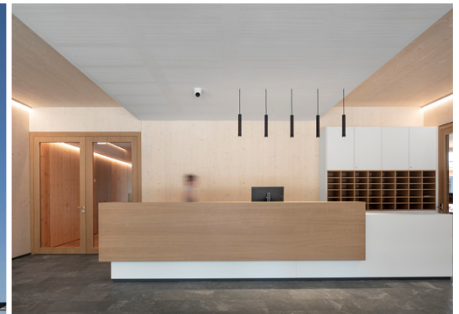
The building uses structural framing with binderholz glulam supports and beams. Its surfaces are highly variable, meaning that every type of spatial requirement can be met. Walls and ceilings are made from binderholz CLT BBS, parts of which in visible quality, offering lots of space for individual design possibilities.





## **binderholz office building** in Baruth | Germany

A total of 715 m<sup>3</sup> of binderholz CLT BBS were needed to construct the new office building. A further 15 m<sup>3</sup> of glulam GLT and 300 m<sup>2</sup> of 3 layer spruce and pine panels went into the new building. The load-bearing exterior walls were made using so-called binderholz CLT BBS thermal elements. These BBS Thermo walls were constructed from 27.5-cm-thick binderholz CLT BBS without any additional thermal insulation.



## Production and trade company

### Pians I Austria

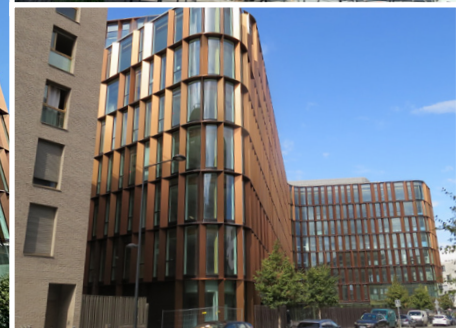
To establish a smooth ceiling soffit with exposed wood, the sales and catering area, a 650 m<sup>2</sup> binderholz CLT BBS ceiling with a thickness of 24 cm was installed, which does without underlays and overlays and is only supported by 14 columns 24 x 24 cm in size. To date, the world's largest point-supported binderholz CLT BBS ceiling



# 'Curve' Business Centre

## Saint-Denis | France

The main structure of the business centre 'Curve' consists entirely of solid wood in the form of binderholz CLT BBS and glulam. A total of 5,000 m<sup>3</sup> of binderholz CLT BBS were used





## Axtell House Business Centre

### Soho London | Great Britain

During the extensive restoration work by the construction company, the core of the original building was completely removed and later repositioned with more workspace. Three floors and a communal roof garden were added. The top-up was realised by means of steel frames and solid wood ceilings made of binderholz CLT BBS in visual quality.



Photos: © RED Construction Group



# Office Building Orsman Road 6

## Hackney | Great Britain

Covering an area of more than 3,000 m<sup>2</sup>, the six-storey office building offers spacious and bright working and recreation areas. Thanks to the hybrid construction with binderholz CLT BBS, the space at the location between the adjacent buildings and the canal could be used at its best.



Photos: © B&K Structures Ltd., Waugh Thistleton Architects

# Riding Hall Fohlenhof

## Ebbs | Austria

The hall was designed as a single-hip frame structure. 6 meters apart of each other 2 glulam beams with a length of up to 29.5 metres were mounted on the supports. In order to meet the requirements of statics, these beams had a height of 1.48 m and were delivered directly from the Jenbach CLT plant to the construction site. Between the suspended stringers, the binderholz CLT BBS elements were attached.



## Mastercard VIP House Kitzbühel | Austria

The grandstand lounge, featuring a reclaimed wood look with roof terrace and bar, has been constructed from a combination of binderholz CLT BBS, GLT glulam, solid wood panels and profiled wood. Its special feature is that it can be built up in almost any terrain thanks to its completely flexible modular design.





# Water Park Rulantica

## Rust | Germany

A mix of Scandinavian style, Nordic countryside features as well as imaginative designs, and all of those framed with a binderholz glulam roof construction.  
A total of 1,100 m<sup>3</sup> of GLT glulam and 300 m<sup>3</sup> of binderholz CLT BBS were installed.





# The Business Premises of Kost Kamm

## Windelsbach | Germany

All parts of the building consist of solid wood products. Indoors, binderholz CLT BBS was processed in visible quality. The CLT BBS elements of the window openings cut out of the walls can be used as workbenches. In addition, 3-layer solid wood panels were used for construction.



## Office-Box Thalgau | Austria

A creative solution made of wood was chosen for this object. A modern and innovative office complex was built in the existing industrial hall.

A total of 124 m<sup>3</sup> binderholz CLT BBS were installed, of which 63 m<sup>3</sup> CLT BBS XL were in residential visible quality and 61 m<sup>3</sup> CLT BBS 125 in non-visible quality.



# Motorway service station A63 Cestas Ouest

## Bordeaux | France

For the wood construction and completion of the interior 120 m<sup>3</sup> binderholz CLT BBS, 40 m<sup>3</sup> GLT glulam and 1,500 m<sup>2</sup> 3-layer solid wood panels.





# Dance School Santner

## Wels | Austria

At a distance from the historic walls, a wooden structure made of white-glazed binderholz CLT BBS was installed.  
As a result, the historic interior walls were preserved and supplemented by new windows in the plinth zones.  
A total of 1,200 m<sup>2</sup> of binderholz CLT BBS were used.





# METRO ZERO 1

## St. Pölten | Austria

Solid wood panels, GLT glulam and binderholz CLT BBS were installed in the building complex. Thus, the wood content amounts to 2,860 m<sup>3</sup>, resulting in a CO<sub>2</sub> saving of approx. 2,860 tons. The use of wood instead of reinforced concrete alone saved a total of 660,000 kg of CO<sub>2</sub>.



# Coffee Production Plant Johannson

## Vestby | Norway

Wood is the main material both inside and outside. The walls and ceilings are made of 1,100 m<sup>3</sup> binderholz CLT BBS, while GLT glulam 1,300 m<sup>3</sup> was used for struts and girders.



# Louis Vuitton 'Atelier de maroquinerie'

## Beaulieu-sur-Layon | France

The building with a total area of 6,000 m<sup>2</sup> consists of a wood-steel construction and a surrounding glass façade. The roof made of 6,500 m<sup>2</sup> binderholz CLT BBS assumes the role of a disc that distributes the building tension on the central supports.





# binderholz TimberBrain Office Building

## Hallein | Austria

A total of 610 m<sup>3</sup> binderholz CLT BBS was used for the new building: of which 450 m<sup>3</sup> were CLT BBS 125 and 160 m<sup>3</sup> CLT BBS XL elements. 20 m<sup>3</sup> GLT glulam and 100 m<sup>2</sup> 3-ply solid wood panels of spruce, stone pine, larch, pine and white fir were also used in the new building. The load-bearing external walls were also constructed with what are known as CLT BBS Thermo elements.



# Road maintenance depot

## Haiming | Austria

The structure was constructed using a combination of binderholz CLT BBS elements and glulam beams:  
580 m<sup>3</sup> of industrial quality CLT BBS 125 and 45 m<sup>3</sup> of CLT BBS XL elements were used.  
The system-based design of this concept using binderholz CLT BBS 125 elements requires a large degree of prefabrication.



Further projects can be found at [www.binderholz.com/en-us/mass-timber-solutions](http://www.binderholz.com/en-us/mass-timber-solutions)



Borgafjellet Primary School  
Os | Norway



INTRO  
Cleveland | USA



binderholz office building  
in Baruth | Germany



Train station and town hall 'Stadshus'  
Växjö | Sweden



Quartier Prinz-Eugen-Park  
Munich | Germany



Hotel MalisGarten  
Zell am Ziller | Austria



Seethalerhütte  
at the Dachstein | Austria



Coffee Production Plant Johannson  
Vestby | Norway



Single-family house  
Uderns | Austria



Water Park Rulantica  
Rust | Germany

# binderholz

**Binderholz Bausysteme GmbH**

A-5400 Hallein/Salzburg

fon +43 6245 70500 · fax +43 6245 70500-17001

bbs@binderholz.com · [www.binderholz.com](http://www.binderholz.com)



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