

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 m² 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.



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.



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 m² 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 m³ of binderholz glulam and 3,850 m³ 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.



'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 m² 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

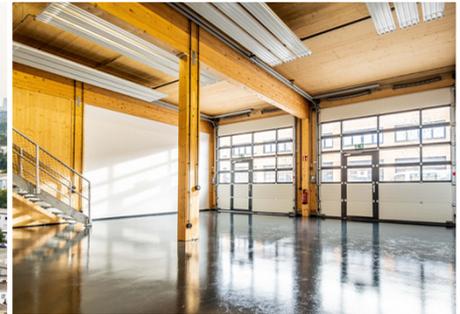
London | Great Britain

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 CO₂, making a significant contribution to climate protection.



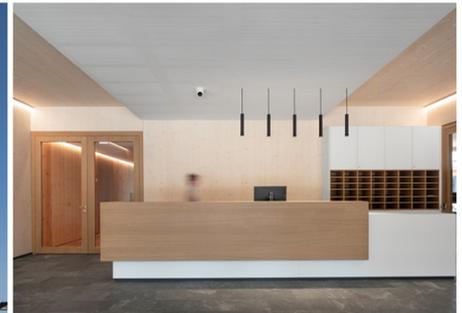
Honeycamp Mannheim | Germany

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 m³ of binderholz CLT BBS were needed to construct the new office building. A further 15 m³ of glulam GLT and 300 m² 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 m² 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 m³ 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.



Office Building Orsman Road 6

Hackney | Great Britain

Covering an area of more than 3,000 m², 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.



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

Kitzbüchel | 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 m³ of GLT glulam and 300 m³ 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 m³ binderholz CLT BBS were installed, of which 63 m³ CLT BBS XL were in residential visible quality and 61 m³ 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 m³ binderholz CLT BBS, 40 m³ GLT glulam and 1,500 m² 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 m² 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 m³, resulting in a CO₂ saving of approx. 2,860 tons. The use of wood instead of reinforced concrete alone saved a total of 660,000 kg of CO₂.



Coffee Production Plant Johannson

Vestby | Norway

Wood is the main material both inside and outside. The walls and ceilings are made of 1,100 m³ binderholz CLT BBS, while GLT glulam 1,300 m³ was used for struts and girders.



Louis Vuitton 'Atelier de maroquinerie'

Beaulieu-sur-Layon | France

The building with a total area of 6,000 m² consists of a wood-steel construction and a surrounding glass façade. The roof made of 6,500 m² 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 m³ binderholz CLT BBS was used for the new building: of which 450 m³ were CLT BBS 125 and 160 m³ CLT BBS XL elements. 20 m³ GLT glulam and 100 m² 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 m³ of industrial quality CLT BBS 125 and 45 m³ 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



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



Seethalerhuette
at the Dachstein | Austria



Coffee Production Plant Johannson
Vestby | Norway



Single-family house
Uderns | Austria



Water Park Rulantica
Rust | Germany

binderholz ■

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