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

Photos: © Holzbau Amann GmbH
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.

Photos: © Melanie Wiesner
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.

Photos: © binderholz
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.

Photos: © Walter Ebenhofer
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.

Photos: © Walter Ebenhofer
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.
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.
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.
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