CONSTRUCTION SOLUTIONS
Public | Municipal

Ecology, sustainability and an environmentally friendly use of natural resources play a role in public and municipal buildings that is just as crucial as the factors of quality, time and cost. binderholz stands for a sustainable, intelligent use of the raw material of wood and acts according to the zero waste principle. Timber harvesting that is 100% sustainable and the production of green energy in proprietary biomass combined heat and power stations are part of this approach, as are the production of biofuels from by-products and our broad range of solid timber products and construction solutions, which are all recoverable to a large extent and allow for ecological recycling.

Numerous reference projects throughout Europe provide evidence that binderholz construction solutions in the public-municipal sphere meet all specific regional requirements and can be easily and economically adapted. Applications range from kindergartens, schools and universities to student dormitories, senior residences and care homes to administrative buildings and public housing.
The special feature of this is that the new childcare center building (except for the earth-touching components) was built entirely from solid wood. The interior and exterior walls and ceilings are made of binderholz CLT BBS. A total of 220 m³ CLT BBS was mostly installed in residential visible quality.

Photos: © Andreas Scheriau, Christian Kremsl
The new residence of the University of Arkansas offers space for more than 700 students on nearly 200,000 m² and demonstrates the University’s commitment to sustainable construction. The solid wood construction consists of a total of 3,200 m³ binderholz CLT BBS and 1,100 m³ GLT glulam.
In the Norwegian municipality of Halden, the country’s largest residential and activity centre for people with dementia was opened on 1st April 2019. The solid wood building has a floor area of 11,000 m². A total of 2,400 m³ binderholz CLT BBS, of which 700 m³ were in visible quality, and 100 m³ GLT glulam were installed.
After years of vacancy, the heritage listed former parish house of Meuzegem was extensively restored and extended by a new wing in solid wood construction. A total of 50 m³ binderholz CLT BBS in residential visible quality, 10 m³ GLT glulam in visible quality and profiled wood of larch for the exterior façade were used.
The University of Arkansas’ Library Storage Building, covering over 2,500 m² and made of binderholz CLT BBS, was completed in September 2018 and, when fully utilised, will contain some 1.8 million publications. The complete building was constructed in only 6 months. The building consists of 230 m³ GLT glulam and 735 m³ CLT BBS.
The daycare centre in Grünberg was constructed in 2017. The ground floor and upper floor of the project were constructed in binderholz CLT BBS, predominantly visible quality. In total, about 1,050 m² CLT BBS 125 in residential visible quality were used for the ceilings and approx. 1,200 m² CLT BBS XL elements, 80% of which in visible quality, were used for the wall constructions.
The GSK - Carbon Neutral Laboratory for Sustainable Chemistry
Nottingham I Great Britain

1,420 m³ binderholz CLT BBS were used for the wall elements as well as for the roof and ceiling elements.

**Green Facts** Wood = CO₂ store | Wood = sustainable | Wood = environmentally recyclable | Wood = solar energy store

Photos: © b&k structures
The students now come into daily contact with structural timber construction, thanks to the new building and core renovation. A total of 86 m³ of GLT glulam and 660 m³ of binderholz CLT BBS was installed over both construction phases. In addition, 17.5 m³ of profiled wood were used for the façade slats.
Architects Toyo Ito & Associates were commissioned by the Technical University of Nanyang to design a new sports centre, and thus Asia’s largest glulam construction, clad in 3-ply solid wood panels.
Further projects can be found at www.binderholz.com/en-us/mass-timber-solutions

Quartier Prinz-Eugen-Park, Munich | Germany
Hotel MallsGarten, Zell am Ziller | Austria
Coffee Production Plant Johannson, Vestby | Norway
Seethalerhütte am Dachstein, Austria
Water Park Rulantica, Rust | Germany

Single-family house, Udersn | Austria
Student Dormitory 'Adohi Hall', Arkansas | USA
binderholz TimberBrain Office Building, Hallein | Austria
Private semi-detached house Mut zur Lücke, Innsbruck | Austria
'Quellhof' Private Equestrian Centre, Wiesing | Austria

binderholz

Binderholz Bausysteme GmbH
A-5400 Hallein/Salzburg
fon +43 6245 70500 · fax +43 6245 70500-17001
bbs@binderholz.com · www.binderholz.com