

More room for schools in Vienna Cooperation STUGEBA-Stora Enso

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Cooperation STUGEBA & Stora Enso

STUGEBA

- 30 years experience in the field of modular construction → initially based on steal frame
- Perfect reputation in the fields of hosipatal and office constructions
- Wide experience as general contractor for projects

STORA ENSO

- World biggest CLT-producer
- Well known brand & wide network in the wood industry
- knowledge how to bild with solid wood elements (CLT)

Target of coop is the development, optimization and sales of modular solutions made of CLT



More room for schools in Vienna Background info

- Vienna is the fastest growing city in the german speaking Europe
- According to city development plan (STEP 2025) by 2030 Vienna will have 2 Mio inhabitanst in the city (today 1.75 Mio) and 3 Mio in the wider city area of Vienna
 - A yearly increase of 15.000 people which leads to a need of
 ~50 classrooms per year over the next decade
 - Wiener Schulsanierungspaket (2008-2017) → 570 Mio EUR for renovation, adaption and new build of schools reserved
 - Up to 240 schools will be in some way "adapted"



PFERD 2014

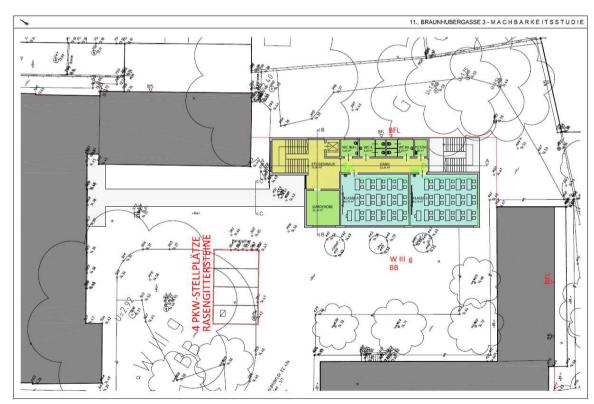
First joined project → 5 schools made of CLT

- 5 schools in 11 month → from planning till moving in of pupils!!!
- 7.200m² floor space
- 27 classrooms and 13 other rooms
- Modular construction made of CLT → high stability, high comfort as far as room climate is concerned
- Modular size of up to 3 x 12m → high level of prefabrication leads to extremely fast errection time
- Only 6 weeks for montage of all modules could be confirmed by STUGEBA
- Due to prefabrication extremly clean construction site and high quality level
- Compared with other materials (steel & concrete) the stored energy (grey energy) significantly lower

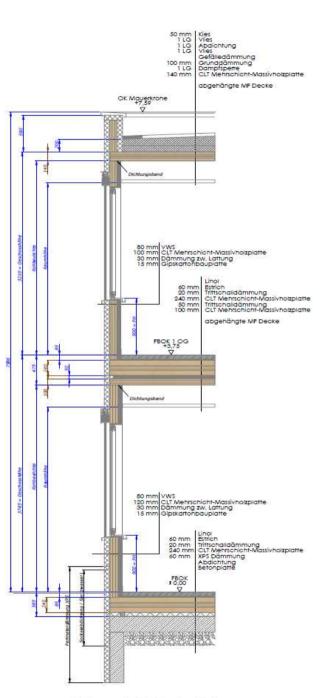


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Technical details







Aufbauschnitt Herchenhahngasse

















Future What's next?

- At the moment 3 further schools are already under construction and will be ready by end of June
- ~1.500m³ of CLT have been delivered in Q1 2015
- There is an opportunity to do 1-2 further schools this year
- For Q1 2016 3 further schools are already under contract
- STUGEBA and Stora enso is at the moment trying to collaborate alo in the offering phase for a 8-storey building in Graz (STUGEBA would be the general contractor)



