



# More room for schools in Vienna

## Cooperation STUGIBA-Stora Enso

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# Cooperation STUGEBA & Stora Enso

- STUGEBA
  - 30 years experience in the field of modular construction → initially based on steel frame
  - Perfect reputation in the fields of hospital 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 build 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 inhabitant 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!!!
- **7.200m<sup>2</sup>** 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 erection time
- **Only 6 weeks for montage of all modules** could be confirmed by STUGEBA
- Due to prefabrication extremely **clean construction site** and high quality level
- Compared with other materials (steel & concrete) the stored energy (grey energy) significantly lower

# PFERD 2014

## Technical details



































# Future

What's next?

- At the moment **3 further schools** are already **under construction** and will be ready by end of June
- **~1.500m<sup>3</sup> 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 also in the offering phase for a 8-storey building in Graz (STUGEBA would be the general contractor)





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