Tall Timber: A Global Audit

This data study comprises the 84 mass timber buildings eight stories and taller, built or under construction, organized by structural type and by region, globally. Key projects of each type are highlighted, and the proportion of each structural type within each region is shown in the ring diagrams. The three tallest buildings of each structural type are shown as elevations with project data. The data in this study are accompanied by a research paper on pages 22–25, which provides the context and additional information on the current state of tall timber buildings as of February 2022.

Structural Types

- All-Timber
- Concrete-Timber Hybrid
- Steel-Timber Hybrid

Elevation drawings of three tallest buildings of each structural type.

Project Name

- Tallwood 1 at District 56
- De Karel Doorman
- Hyperion
- Ascent
- HoLo
- HAUT
- Lighthouse Joensuu
- Mjøstårnet
- De Karel Doorman

- Stadthaus, London, was built in 49 weeks, compared to a 2-year construction time for a concrete-framed building of this size.

- Origine, Quebec City, is estimated to have released 900,000 fewer kilograms of CO₂ equivalent than a conventional concrete and steel building.

- It took just 3.7 minutes for Austrian forestry to grow the volume of timber needed for HoLo, Vienna’s structural timber.

- The amount of carbon dioxide trapped in the timber used at Sara Kulturhus, Stockholm, is equivalent to about 13,500 flights from Stockholm to New York.