DESIGN AND STRUCTURE FOR TALL TIMBER BUILDINGS

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PROJECT IDEA

AIM
- Increase the amount of TTBs (> 15 storeys)
- Develop construction system for TTB with focus on connections details

OBJECTIVES
- Fulfill structural requirements and functions with timber based solutions: comfort and stability (wind), accidental loads (fire, progressive collapse)…
- Analyze and develop design and testing methods

METHODS USED
- Gather and compare lab and in situ experiments, both results and methods
- Verification/validation of models and testing procedures
- Monitoring of TTBs
EXISTING PARTNERS/EXPERIENCE

- **RISE - Wood building technologies**
  - Wood construction
  - Structural and dynamical engineering
  - Timber production processes
  - Wood materials including behaviour due to moisture and fire

MISSING PROFILES

- **Institutes or Universities**
  - Fire Engineering
  - Tall Building
  - Reliability and risks assessment
  - Seismic engineering

- **Industrial partners**
  - Material manufacturer
  - Building system
  - AEC consultants
  - Building companies
  - Building owners