



# DESIGN AND STRUCTURE FOR TALL TIMBER BUILDINGS

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Research Institutes of Sweden

**BUILT ENVIRONMENT**

**WOOD BUILDING TECHNOLOGY**



# 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

