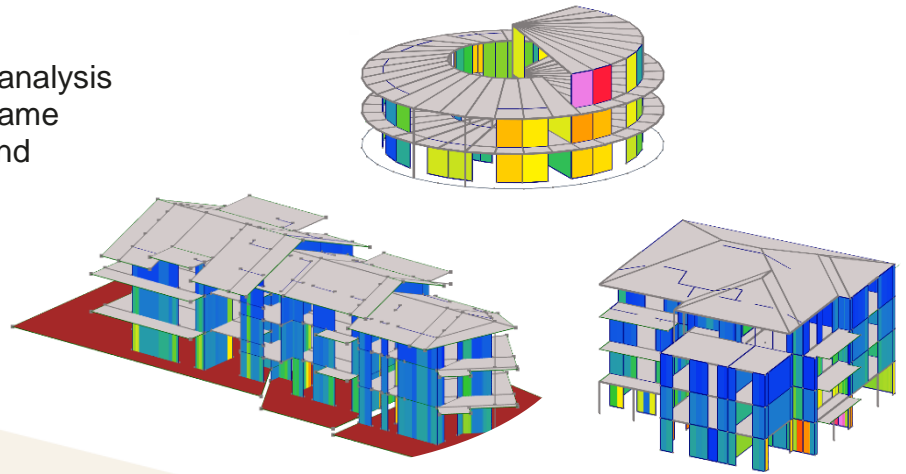# TIMBERTECH BUILDINGS

Structural design software for analysis of timber shear walls structures

Engineering software for the structural analysis and design of timber CLT or platform frame buildings born at University of Trento and developed by TimberTech

STANDARDS AND LOADS

Eurocodes with National Application Documents

SEISMIC ANALYSIS

- The software automatically calculates the wall lateral stiffness also taking into account the contribution of the connections
- Equivalent linear static analysis and Modal linear dynamic (response spectrum) analysis

CHECKS

- CLT and platform frame walls
- Vertical joints in CLT walls
- Connections: hold down, angle brackets, screws, nails
- Timber ceilings (joist floors, solid timber floors and CLT floors)
- Timber or steel beams and columns
- Lateral buckling of the beams

MATERIAL DATABASES

Preloaded properties of the timber elements and wooden materials

- Timber materials: hardwood, glued laminated timber, CLT, plywood, OSB, gypsum-fibreboard, LVL, SWP, Duo/Trio
- Steel grades
- Connections: hold down, angle brackets, punched steel plates and straps, screws, nails

DESIGN CALCULATION REPORT

The software automatically generates a clear and detailed technical design calculation report which can be exported in Microsoft Word format.

IMPORT & EXPORT

Import and export of drawings in Autocad dxf format

Educational license for educational institutions (schools, Universities, etc.)

FEATURES OF EDUCATIONAL LICENSE

- Time unlimited
- Unlimited number of licenses (local network)
- 4-hour course for teachers
- Very special price for schools and universities

MASES is the official partner of TimberTech in Cyprus

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