



LigniKon Small

the 3D CAD for Carpenters to build Roofs and other Timber Roofs

Cutting and installation in record time thanks to the comprehensive Roof Wizard

LigniKon Small is characterised by its well-designed graphical interface, which reflects the classic structure of wooden buildings.

Create effortless, non-trivial roofs in a very short time thanks to the comprehensive and intuitiveness of the integrated Wizards (Assistants) of Roofs, Dormers, Skylights and Chimneys.

Any Assistant automatically generates the details required for the effective construction of the elements.
The WETO software are designed to be easy to use and to achieve complex results!

Relevant tools and functions

Augmented Easiness: parametric CAD for timber constructions, designed to work directly in 3D (in addition to 2D) and gain in time and easiness

Advanced roof profiles with 3D preview of the complete superstructure including rafters, purlins, battens, inner/outer soffit boarding and insulation

Fitting of ridges (for battening arrangement) in single pitches with two different ridges due to two different opposing pitches

Wizards of Roofs and Dormers

Window and Door Editors for handling different geometries and relative options

Editor of Roof Windows (Skylights) and Chimneys with Automatic Supports and Headers

Customisable catalogues of Roof Tiles and Structures

Focused placement of rafters (with automatic or fixed spacing) and overhang rafters

Smart copying of rafters from one pitch to another

Customisable pitches (for canopies, porches, verandas, etc.) by stretching or by other geometric adjustment. The framework will automatically be adjusted to the new situation.

Careful installation of rafters and automatic creation of hip and valley rafters

Hand drawing tools for panels, platforms, floors and other 3D surfaces

Parametric functions to create Battening, Insulation and Eaves & Inner Boarding

Automatic Technical Drawings already Dimensioned of Single Framing Piece and Roof Profile Elevation View to immediately run production

Joints and machining: Controlled Cut, Deburring/Trimming and Break/Merge again (e.g. for weight distribution)

Material presets

Wood and Iron lists computation for carpentry, areas, volumes, jack rafters, etc.

Detailed Carpentry Lists for each timber piece, pitches areas and much more...

Chained and Progressive Dimensions, Automatic Measurements of Lengths and Areas

2D/3D Import/Export as AutoCAD (DXF e DWG), BIM (IFC), etc...

3D Export for a 3D exploration on any device as

WebGL (for any web browser)

and as 3D PDF (for on any PDF viewer)

