RSTAB 8
Powerful & Easy to Use

Enjoy Structural Analysis

3D Structural Analysis Software for Beams, Frames, and Trusses

- Concrete structures
- Steel structures
- Aluminium structures
- Timber structures
- Dynamic analysis
- Industrial engineering
- Mechanical engineering

- Bridges
- Cranes and craneways
- Towers and masts
- Power plants
- Scaffolding and rack structures
- Conveyor systems
- Drilling structures, etc.
RSTAB - Ultimate 3D Structural Frame & Truss Analysis Software

 Universally Applicable

- Calculation of supporting structures made of steel, concrete, timber, aluminium, or combined structures
- Current national and many international standards
- Structural and dynamic analysis
- Linear and nonlinear analysis

 Useful Generation Tools

- Structures including loads (e.g. continuous beams, frames, 3D halls)
- Generation of wind and snow loads according to Eurocode
- Parametrization of frequently recurring systems

 Intuitive Graphical User Interface

- Quick induction into the software
- Creating structural and load data within a very short time
- Graphical or tabular model input
- High-quality visualisation of the structure and loads
Dynamic Analysis

- Analysis of natural frequencies
- Seismic design
- Forced vibrations
- Time history method, multi-modal response spectrum method
- Nonlinear time history analysis

Modelling Supporting Structures

- Extensive cross-section library (rolled sections according to international standards, parametric cross-sections, etc.)
- Support, member and release nonlinearities
- Couplings and eccentricities
- Various load types
- Calculation of independent substructures

3D Rendering of Reinforcement

Connection Design

Connection Design

Multilingual Printout Report

- 13 languages available (independent of the input language)
- Manual or automatic printout (mass print) of graphics
- Export to RTF or PDF files
- Creation of global printout templates
Automatic Generation of Combinations According to Selected Combination Expressions

- Combinations according to Eurocode and other international standards
- Consideration of accidental design situations (such as North German Plain)
- Options to reduce the number of generated combinations
- Copying, adding, etc. load cases in a clearly arranged dialog box
About RSTAB

The structural frame & truss analysis software RSTAB is the basis of a modular software system and provides intuitive modelling of simple and complex structures due to its ingenious input technique.

The efficient RSTAB solver allows for linear and nonlinear calculations of internal forces, deformations, and support reactions. In addition to frame structures made of steel, reinforced concrete, timber, aluminium, etc., it is also possible to calculate combined structures made of various materials.

For structural design, various add-on modules are available, considering structural data of specific materials and standards. The modular software concept allows you to create a program package tailored to your individual needs. It is possible to upgrade the program at any time.
Enjoy Structural Analysis with Dlubal Software

In addition to operating comfort of the programs, Dlubal Software is known for its competent and fast support.

Furthermore, Dlubal Software website provides numerous information that can help you with your daily work: knowledge base, webinars, videos, manuals, FAQ, and many more.