



iTOWERS Designer

Exclusive software for total tower engineering

iTOWERS Designer – uses a unique modular design concept combined with powerful tools and databases that allow compact data input, making it easy to change tower configuration, providing realistic modelling and analysis, interactive optimizations and with full compliance to all codes of practice. And it does this very quickly. Where it would otherwise take an engineer days to complete the geometry for a single tower, iTOWERS Designer does the task in minutes.

iTOWERS Designer saves tower engineers the confusion and expense of using unrelated software tools from different vendors to accomplish what should be related tasks – tower geometry generation, load calculations, structural analysis, graphical verification, design reports and drawing generation.

The software has been extensively validated in a live and practical design environment. iTOWERS Designer is designed to live and grow by allowing the user open access to databases and to add new patterns, sections, codes etc.

High specificity & High Sensitivity

iTOWERS Designer is specific to tower design and engineering and is a tool that helps give users precise understanding of the structural behaviour for every sensitive change in parameters.

High Productivity

iTOWERS Designer with its unique features of design and optimization is like adding a team of expert designers to the design staff – overnight!

Versatility

Open-ended and code independent. iTOWERS Designer is fully adapted to changes in design codes.

Total respect for fundamentals

- 3-dimensional geometry including redundants
- Sub-structuring technique
- Member classification
- Provides analysis and design of multiple body and leg extensions in a single step
- Produces effective foundation design solutions for various soil types with an accent on cost optimisation

Intuitive Graphical User Interface

- Geometry wizard
- Drag and drop of patterns
- Interactive design
- Calculator
- Design library
- Model verification – cross sections, elevations and plans
- Deflected shapes and stress diagrams

Business advantages

iTOWERS Designer integrated software will save significant amounts of time and money. Why? Because iTOWERS Designer covers the full spectrum of tower design. It is fast, flexible and comprehensive.

This means, that for the first time, companies have the luxury of creating a final – complete – tower design while still in the preliminary bid stages. This gives companies much greater accuracy for costing and in proposal development, resulting in less risk and an edge on the competition.

With iTOWERS Designer integrated software, multiple design alternatives are a matter of a few key strokes, not hours of re-drafting. Users can sharply reduce design cycle times and produce an optimal design. In addition, at all stages of design, bills of materials and comprehensive reports (done to international standards) and design drawings are automatically generated.

iTOWERS Designer provides structural engineers with a full library of practical, tested transmission line tower patterns for automatic, fast and easy generation of tower geometry that confirms to international standards. And it does so accurately – saving more time and money and eliminating costly 're-dos'.

Partial list of customers for iTOWERS Designer

ABB Trasmissionone & Distribuzione, S.p.A.,
Milano, ITALY

EUCOMSA, Utrera, SPAIN

COMEMSA, MEXICO

Hyundai Engineering & Construction Co Ltd,
Seoul, Korea

Power Grid Corporation of India Ltd, INDIA



IMIsoft
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