



FUNCTIONS AND FEATURES

PRECONSTRUCTION

Centralize Project Planning Data:

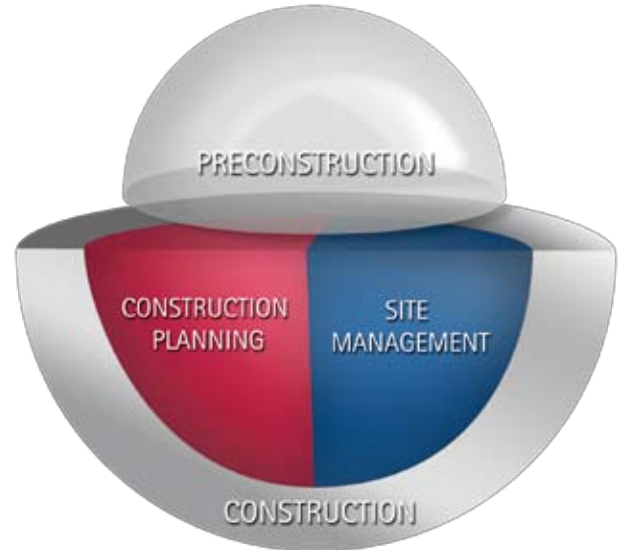
- Share, open, and view highly intelligent Tekla Structures models
- Import general schedule data from industry leading applications: MSPProject & Primavera P6
- Import multi-discipline model formats: IFC, DWG, DGN, Step, DXF

Navigate & Organize the Management Model:

- User friendly 3D navigation, measuring/dimensioning, and data querying
- 2D & 3D view creation & management
- User-definable object-oriented data storage
- Customizable data-driven visibility and color schemes

Communicate:

- Dynamic 4D simulation of project planning
- Automated Quantity Take Off reporting: Text, Excel, HTML, relational database (.NET)
- Integration with industry leading estimating solutions



CONSTRUCTION PLANNING

Coordinate:

- Centralize non-structured communication via Tekla Connect
- Import developing fabrication and construction models
- Integrate with supply chain ERP/MIS systems

Analyze:

- Define and manage purchase packaging
- Utilize Task Manager to further develop production schedules
- Import and simulate equipment models and plans
- Coordinate design, fabrication, and construction models with visual and automated clash detection.
- Analyze project development with automated model change detection

Communicate:

- Further utilize Tekla Connect to communicate, resolve and manage conflicts
- Define and run multiple 4D simulation scenarios
- Generate 2D site and equipment planning sketches/drawings

SITE MANAGEMENT

Manage:

- Supply chain logistics
- Field crew work packages & coordination
- Installation performance tracking
- Commissioning

Visualize:

- Further use Task Manager to develop high resolution schedule data
- Plan and adapt crew work packages to quantity and building location
- Inventory reporting of building services equipment

Communicate:

- True 4D project management that synchronizes on-going activity with projected planning and simulated alternatives
- Dynamic harmonization of multi-enterprise model-based data with web-enabled model synchronization technology
- Light-weight Web Model publishing for project-wide communication of model views to various stakeholders
- Sign-off and commissioning attribute recording and visualization

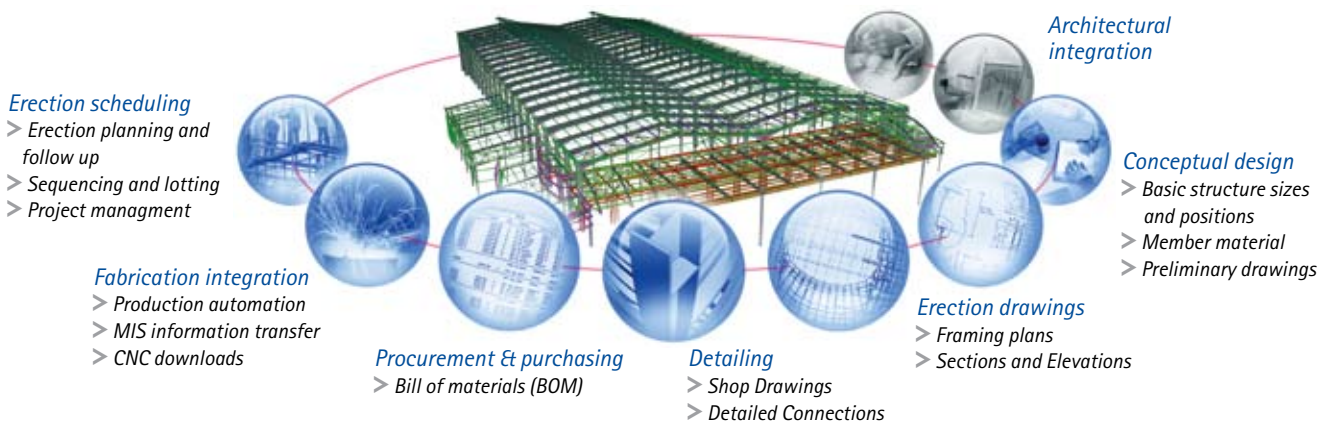


Tekla's technology creates new business opportunities for the construction industry. The most advanced building information modeling (BIM) solution on the market includes an accurate, dynamic and data-rich 3-dimensional environment.

The highly detailed 'as-built' digital structural models generated with Tekla Structures software enable effective visualization and management of the project. Effectively integrating model and non-model-based software solutions

allows using the building information model in collaborative workflows.

Tekla Structures users can streamline the design, fabrication, and construction processes, ultimately ensuring the highest level of constructability in project delivery. Tekla Structures encompasses specialized configurations for structural engineers, steel detailers and fabricators, concrete detailers and manufacturers, and construction companies.



SOFTWARE CONFIGURATIONS

Tekla Structures software is available in different configurations to meet the demands of your business.

• Tekla Structures, Construction Management

Covering the pre-construction, construction planning and site management phases of a construction project.

• Tekla Structures, Full Detailing

For steel and precast concrete detailing. Create 3D models of both steel and concrete structures, output fabrication and erection information.

• Tekla Structures, Steel Detailing

Create detailed 3D models of all kind of steel structures and produce fabrication information (assemblies, workshop drawings, reports, CNC and MIS output, as well as erection drawings).

• Tekla Structures, Precast Concrete Detailing

Create 3D models of concrete structures and output manufacturing and fabrication information (cast unit drawings and reports, as well as erection drawings).

• Tekla Structures, Reinforced Concrete Detailing

For cast-in-place/situ concrete detailing. Create 3D models of concrete structures and output erection drawings of cast-in-place structures.

• Tekla Structures, Engineering

For conceptual and general design. Create 3D models of structures, exchange information with CAD or FEM software, and output erection drawings and reports.

• Tekla Structures, Project Manager

For managing and tracking project status. View 3D models of structures, track the status of projects, create reports and print drawings.

• Tekla Structures, Viewer

For viewing the model and print output. View 3D models of structures, create reports and print drawings.

• Tekla Structures, Drafter

For editing drawings. View 3D models of structures, modify and save drawings, create reports and print drawings.

Add-on module

• Tekla Structures, Plate Nesting Module

Contains tools for finding the best layout pattern for cutting steel plates from metal sheets. Available for the Steel Detailing configuration.

