



Tekla Software for Cast-in-Place Concrete



TRANSFORMING THE WAY THE WORLD WORKS





Plan and Pour Concrete Better with Constructible Models

Uncertainty and risk are major concerns for concrete contractors, but with the right tools you can manage these and improve your business. Tekla software allows contractors who plan and pour concrete on site to improve productivity and quality with coordinated and timely information.

Successfully field tested, Tekla software is proven to improve the productivity of concrete construction. With intuitive information management tools, you have unrivaled insight and control of your projects reducing your risk.

Constructible concrete models easily created with Tekla Structures allow you to automate tedious, manual tasks from preconstruction to pour, and deliver consistent, accurate, construction-quality building information that can be generated quickly from the Tekla model.

WITH TEKLA YOU CAN

- Utilize accurate real time information for smooth construction
- Reduce risks with unrivaled project insight and control
- Improve estimates and schedules with accurate material quantity take offs
- Win work with impressive model-driven sales presentations
- Protect profit: Save time when planning and pouring
- Communicate clearly, manage teams and coordinate projects effectively
- Reduce waste and improve quality



Model

Quickly and easily create accurate, constructible concrete models.



Plan

Use the 3D model to get organized, drive estimates and efficiently prepare to pour.

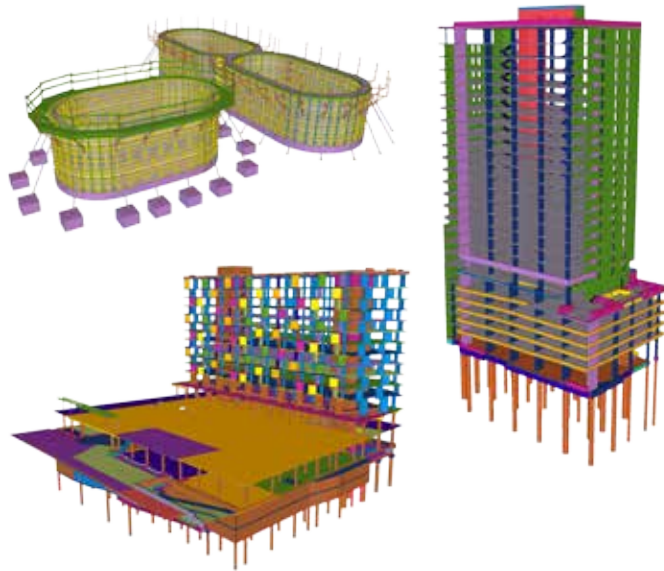
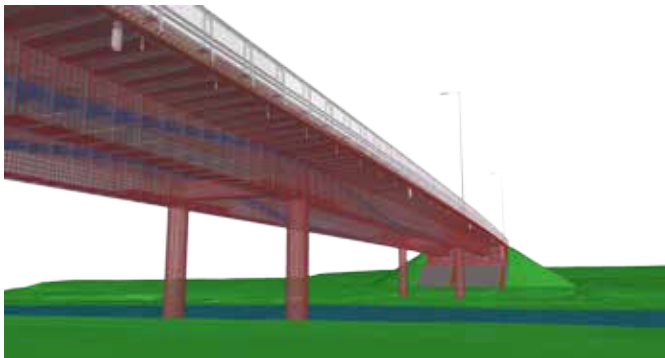


Pour

Go to site! Take the model and all the benefits into the field.

All project types and sizes

With Tekla you can make your projects predictable thanks to better planning and management. Regardless of the structure or project type and from preconstruction to pour, concrete construction can become more productive in the office and on site by utilizing reliable information from constructible models.



WORKING TOGETHER

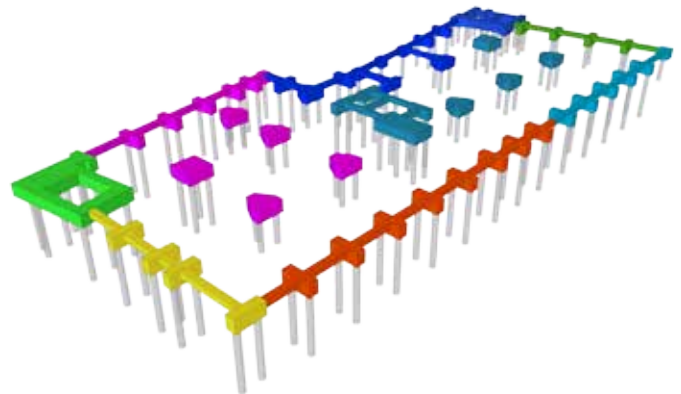
We work together with our customers to make concrete construction smarter. Created by people who know the industry and understand your needs, Tekla software with its unique pour handling capabilities is purpose built for creating and managing construction information and improving pour management.

ACCURATE INFORMATION MANAGEMENT

Tekla models can include all the information you need for your projects to run smoothly.

- Material quantities and formwork
- Track project status, like work completed, ongoing or outstanding
- Manage location-based information such as level, phase and zone
- Access properties and attributes, rebar types, crew information and more

With easy to use software, you can enjoy consistent, up-to-date, construction-quality building information.



LEARNING AND SUPPORT

Getting started with Tekla software is easy. In addition to extensive online support services and training opportunities, local support works to solve any possible technical problem. With Tekla Maintenance, you always have the latest software available.



Model and get organized



To reduce risks by planning and managing the concrete construction process better, you need models that are suitable for construction, not only for design. You can quickly and easily create constructible models with Tekla Structures, to simulate your tasks and to successfully turn the design into concrete reality.

The accurate Tekla models are complete with pours, detailed rebar, embeds and formwork. The relevant information is readily available for measuring, reporting and managing your project. Once modeled, you can identify, accommodate and cost design changes quickly.



FAST START TO MODELING

Importing various contract documents into Tekla Structures is easy. Modeling concrete can begin by simply importing CAD or PDF drawings for guidance, or converting design models from other software.

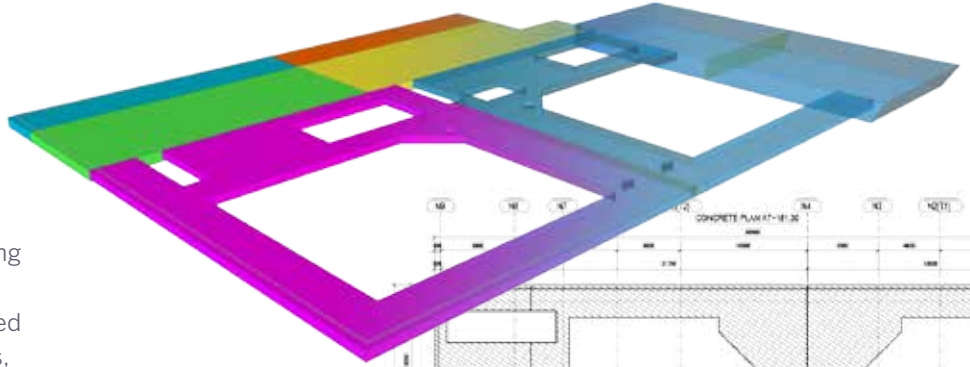
MODELS YOU CAN REALLY BUILD WITH

Clever modeling and copying tools make modeling quick and easy, complete with turndowns, pile caps, stepped slabs and other structures, all complete with necessary properties. Concrete with the same mix design merge automatically and create monolithic structures for efficient, reliable pour planning and quantity take offs.



UNIQUE POUR CONCEPT

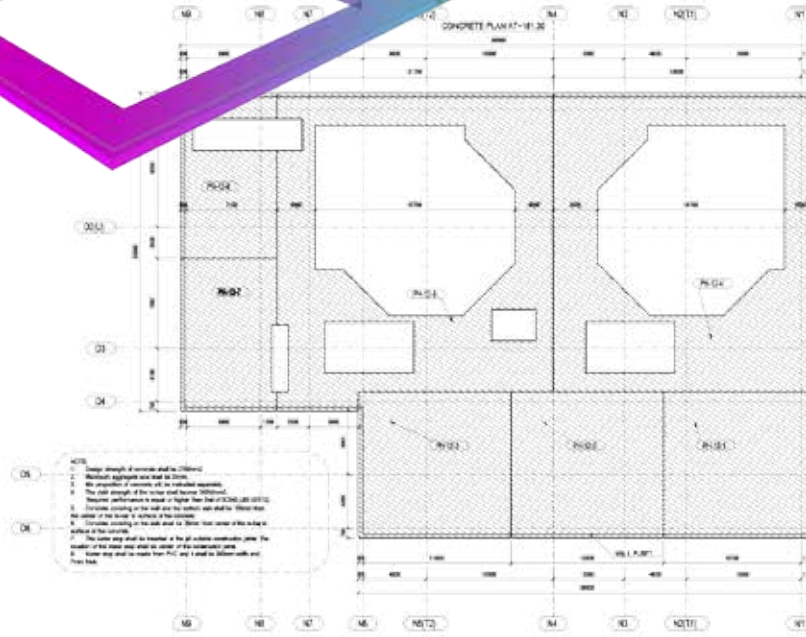
Tekla's unique pour modeling capabilities enable easy definition, quantification, performing and tracking of pours. Each pour is accurate and complete with areas, volumes, required mix information, rebar types, embeds, and even formwork.



UNDERSTAND STRUCTURES

Sharing and understanding information about who does what is essential to successful construction. Information rich concrete models and powerful building information management tools help effective communication across the project.

A 3D model makes understanding the structure easy for everyone on site and project progress information visualized in 3D is easily communicated to all project stakeholders.



DRAWINGS AT HAND

If you need additional rebar placement, lift or formwork drawings, you can automatically create these from a Tekla model – complete with dimensions and annotations.



STRAIGHT FROM THE MANUFACTURER

Build your constructible models with ready-made objects. Tekla Warehouse is an online service offering custom parts, apps, bought-out and formwork objects, bolts, embeds, templates and more.

WITH TEKLA YOU CAN

- Create constructible concrete models quickly and easily
- Define and manage pours with unique, intuitive tools
- Make changes simply by dragging geometry into place - what you see is what you get
- Use real manufacturers' components such as formwork and embeds to build high-quality models quickly
- Coordinate effectively: detect clashes and find and fix problems early
- Generate drawings and visualizations directly from the model
- Work on the same model regardless of team member's location

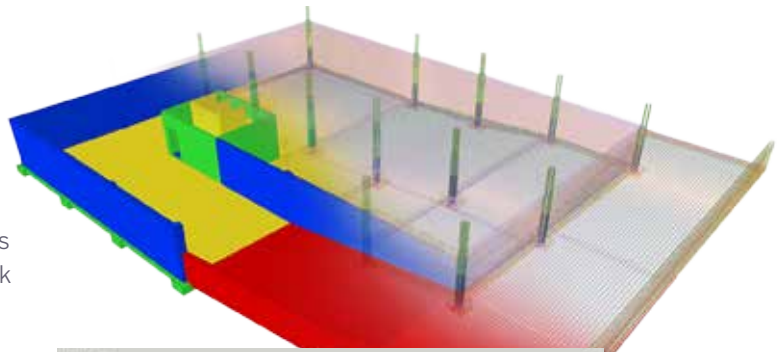
Plan for smooth construction



Tekla's unique ability to accurately handle pours and intuitive information management tools help you improve project coordination and control, manage risks and plan for success. With easy access to accurate, constructible model information in the office and on site you can remove uncertainty and prepare to pour with confidence.

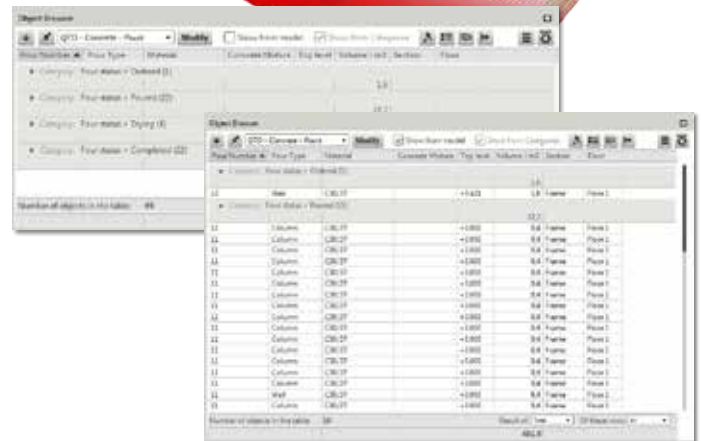
QUICK MATERIAL QUANTIFICATION FOR BETTER ESTIMATION

Because traditionally tedious, manual material quantity take-off (QTO) is automated, quantifying and reporting in a familiar format is easy with Tekla. Precise material quantities for concrete, rebar, embeds and formwork areas drive better estimates and schedules, helping you win work and improve project profitability and pour productivity.



POUR PLANNING & MANAGEMENT

Practical pour sequencing and scheduling with comprehensive pour quantity takeoffs mean that you can better budget and allocate resources. With Tekla your pour plans are clear and coordinating and communicating with other project parties easy. Additionally, you can track and report concrete pours on-site and evaluate team performance.



KNOW YOUR FORMWORK REQUIREMENTS

Automated formwork area calculations make Tekla's material quantity takeoff for planning, procuring and deploying formwork unique. With insight into the formwork requirements, you can optimize the schedule and maximize formwork efficiency.

SCHEDULING AND COORDINATION

You can import schedules from software solutions such as Vico, Primavera and MS Project to Tekla and connect these to pours. Tekla models allow you to review and simulate different construction scenarios. Material quantities respond automatically to changes and the impact appears in the different scenarios without manual work.

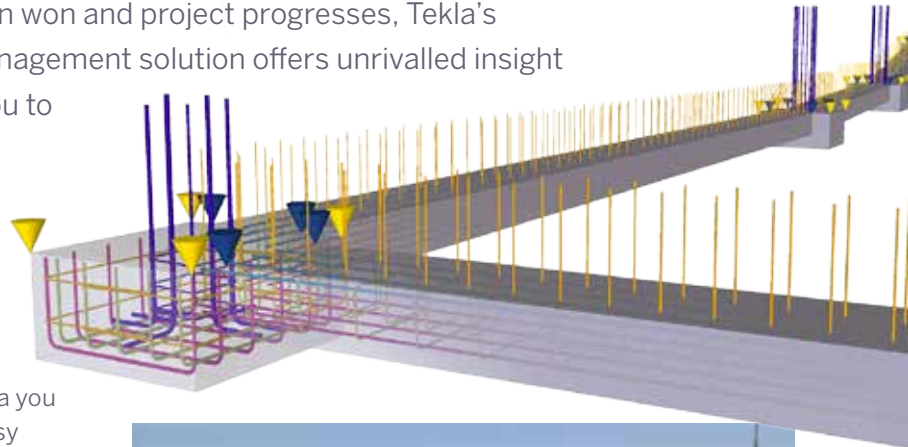




Pour successfully on site



When the work has been won and project progresses, Tekla's precise information management solution offers unrivalled insight and control that help you to reduce risks.



BEYOND THE BID: CONSTRUCTIBLE QUANTITIES

For smoothly running construction, a real-time understanding of quantities is necessary. With Tekla you can quickly create on-demand reports and have easy access to up-to-date and consistent information with logistic and material attributes.

CONSTRUCTION LAYOUT: LINKING THE MODEL TO REALITY

Automatically create and group layout points required on site with the constructible model. Total stations increase productivity in layout process and by integrating point data in Tekla models to layout tools from Trimble, you can confidently lay out points on site faster and more exact. After the pour is done, you can verify the accuracy of your work and easily make any necessary changes to ensure smooth progress.



KNOW YOUR PROJECT: VISUALIZE AND COORDINATE.

The constructible model expands project understanding and drives more productive construction. Visualize project progress, follow-up and easily communicate with the model, regardless of location and on desktop or mobile.

TRIMBLE CONNECT

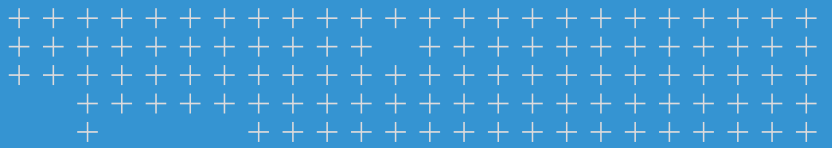
Trimble Connect allows everyone involved in a project to see the big picture right down to the tiniest detail. The collaboration solution brings people, technology and information together for successful concrete construction.

WITH TEKLA YOU CAN

- Quantify materials accurately and automate tedious, manual tasks
- Drive better estimates and schedules, win work and improve site pour productivity
- Understand the design intent and find relevant information easily
- Execute layout on site faster, more flexibly and accurately
- Visualize sequences and project status, follow up progress and communicate clearly
- Utilize consistent information when and where required, on desktop or mobile
- Solve issues early and manage changes easily

connect.trimble.com





Together we are shaping a smarter future for construction

TEKLA SOFTWARE BY TRIMBLE

Trimble is a technology company with a vision of transforming the way the world works. Trimble's construction offering ranges from total stations to advanced software, giving the industry tools to transform planning, design, construction and operation of buildings. The company also has products for trades like logistics and agriculture.

TRIMBLE BUILDINGS

In addition to Tekla, Trimble Buildings brands include names like SketchUp and Manhattan Software, targeting architects, engineers, fabricators, MEP contractors, general contractors and construction managers, and building owners. The software solutions promote constructible models and collaboration. Trimble Buildings offering blend groundbreaking innovations and practical features, helping the industry achieve transformative results.

TEKLA SOLUTIONS

Tekla software is at the heart of the design and construction workflow, building on the free flow of information, constructible models and collaboration. It is the people who make the difference, while Tekla gives tools for realizing projects around the world from housing and bridges to factories and skyscrapers. Good communication and elimination of waste make the industry more sustainable and cost effective, improve your projects and in the end your customers' happiness.

- **Tekla Structures** is the most developed Building Information Modeling software on the market. It makes accurate, constructible modeling of any structure possible.
- **Tekla Structural Designer** gives engineers the power to analyze and design buildings efficiently and profitably.
- **Tekla Tedds** automates repetitive structural calculations.
- **Tekla BIMsight** is a free professional tool for construction project collaboration allowing anyone combine models, check for clashes and share information.
- **Tekla Field3D** is an easy-to-use 3D tool for utilizing Building Information Models on mobile devices.
- **Trimble Connect** is a collaboration solution that brings people, technology and information together for successful construction.



Please note that some products are not available in all areas.

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