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Trimble Announces Tekla 2017 Software for the Construction Industry

New Releases Advance More Collaborative Construction Workflows

SUNNYVALE, Calif., March 9, 2017 /PRNewswire/ -- Trimble (NASDAQ: TRMB) announced today three new versions of its software for structural engineering, fabrication and construction teams: Tekla Structures 2017, Tekla Structural Designer 2017 and Tekla Tedds 2017. Continuous development of Tekla Building Information Modeling (BIM) solutions demonstrates Trimble's commitment to innovation in structural engineering, off-site prefabrication and on-site efficiency.

"In these new Tekla versions, we focus on improving communication and modeling methods because these are directly tied to the productivity of core tasks within large workgroups and projects," said Jari Heino, general manager of Trimble's Structures Division. "The software provides a variety of completely new tools for users to expand their scope of work and collaborate with project stakeholders to ensure that the entire team is on the same page."

Tekla Structures 2017: Next Generation Methods and Improved Design Communication

For general design, the new version of Tekla Structures BIM software offers more control over direct modification, which allows users to create an accurate structural model quicker and easier. There is a faster **organizer** for finding and fixing parts, and improved tools for instant information reporting. With the **basepoint**, engineering offices and architects can now work together in a BIM workflow with consistent and correct common coordinates. Efficient collaboration with architects is now possible with a new plugin that allows live algorithmic modeling for Tekla Structures using graphical algorithm editor Rhino/Grasshopper.

For concrete, Tekla Structures 2017 introduces the **next generation reinforcement method** that gives users more flexibility to create and modify reinforcements for different types of concrete geometries. With the unique **pour unit** feature, managing and reporting all pour-specific information is effective and easy.

For the precast concrete fabrication, this new version improves information exchange between detailing and production with new **data transfer links** to production management. The new **palletizer** tool improves model-based production planning, saves time in the planning process, and prevents human errors in information transfer between detailing and production.

For steel detailing, the new version improves modeling of **steel bent plates** with full support for direct modification. Now, editing and working with even the most complex bent plates is simple and intuitive. Users can create anything from simple bent gussets to folded profiles, spiral stringer plates, transitional duct sections, complex folded panels and more.

Enhancements in **drawing production** enable easier and more flexible shaping of drawings, and help ensure clear communication of design intent and fewer requests for information. The new 2D Library is a productivity tool for replacing repetitive work.

Tekla Structural Designer 2017: Foundation Design and Wind Loading Efficiency

Tekla Structural Designer, an analysis and design (A&D) software, compresses design time by enabling an efficient way to quickly establish the best structural solution. Tekla Structural Designer 2017 delivers significant new features and enhancements focused on A&D workflow productivity with numerous enhancements combining to contribute significantly to the overall workflow for both steel and concrete code compliant structural design.

The new version offers comprehensive design functionalities for the common foundation types required in steel and concrete structures. It makes foundation design more efficient by automating the number of piles required, together with comprehensive calculations and material take-off within a single model. In addition, new wind load processes speed the application of wind load on complex-shaped buildings.

Tekla Tedds 2017: More Calculations to Improve Productivity

Developed to improve engineering productivity and quality, Tekla Tedds automates repetitive and error prone structural and civil calculations. In the face of ever more aggressive deadlines and demands, Tekla Tedds enables users to streamline

engineering design by replacing tedious manual calculations and spreadsheets with professional and consistent output. In version 2017, Trimble has added a large number of new calculations and enhancements to existing calculations across various design codes. The software now includes new steel column and base plate design for Eurocodes and U.S. codes. Tekla Tedds can be integrated with Microsoft Word to give engineers control to quickly create professional project documentation that includes calculations, sketches and notes.

For more information about the new versions, visit**:** https://www.tekla.com/2017.

Availability

Tekla Structures 2017, Tekla Structural Designer 2017 and Tekla Tedds 2017 are available now at: https://download.tekla.com.

Images: Tekla Structures press images

Tekla Software by Trimble

Trimble produces Tekla software solutions for advanced BIM and structural engineering workflow within the Trimble Buildings portfolio. Trimble's construction solutions range from total stations to advanced software, giving the industry tools to transform planning, design, construction and operation of buildings. Tekla software is at the heart of the design and construction workflow, building on the free flow of information, truly constructible models and collaboration. Information about Tekla software: www.tekla.com.

About Trimble Buildings

Trimble Buildings, a part of Trimble's Engineering and Construction segment, is focused on solutions that optimize the complete Design-Build-Operate (DBO) lifecycle of buildings. Trimble is dedicated to transforming the industry—increasing productivity, reducing waste and optimizing schedules, budgets and real estate portfolios—with powerful solutions that streamline communication and collaboration. These targeted solutions enable architects, engineers, contractors, owners, and occupiers to realize greater agility, efficiency and insight. Used in over 150 countries around the world, Trimble Buildings' solutions are transforming the way the world designs, builds and operates infrastructure and buildings. For more information visit: building.trimble.com.

About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modelling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming a broad range of industries such as agriculture, construction, geospatial and transportation and logistics. For more information about Trimble (NASDAQ:TRMB), visit: www.trimble.com.

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