Autodesk Expands BIM Software Offering for Structural Analysis

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Next-Generation Autodesk Robot Structural Analysis and Autodesk Robot Structural Analysis Professional, Enhances Building Information Modeling Workflow for Structural Engineers

SAN RAFAEL, Calif., Dec. 15 /PRNewswire-FirstCall/ -- Autodesk, Inc. (Nasdaq: ADSK) has announced the addition of two new structural analysis software offerings to expand its range of building information modeling (BIM) solutions. Aimed at structural engineers, and based on technology acquired by Autodesk from Robobat, Autodesk Robot Structural Analysis 2009 software and Autodesk Robot Structural Analysis Professional 2009 software are tightly integrated with Revit Structure 2009 software for BIM. The new software enables structural engineers working with Revit Structure to more seamlessly analyze complex structures.

"The new Autodesk Robot Structural Analysis Professional 2009 delivers a great value to structural engineers worldwide by incorporating BIM in the structural analysis and design of building, civil and other specialty structures," said Nicolas Mangon, structural engineering business line manager, Autodesk AEC Solutions. It is designed to be collaborative, faster and more versatile. This in turn will help to provide structural engineers with the ability to do analysis and design better by creating digital models that visualize, simulate and analyze their work.

Autodesk Robot Structural Analysis and Autodesk Robot Structural Analysis Professional complements the Revit Structure 2009. Autodesk customers will experience a more seamless integration of a complete BIM solution, from the analysis of structures through to design and construction.

Autodesk Robot Structural Analysis Professional provides a scalable analysis solution. It is multiregional, incorporating over 15 languages and addressing over 60 design codes for the structural engineer to analyze many types of structures, including buildings and bridges, as well as civil and specialty structures. Structural analysis features include advanced automeshing and modeling capabilities, faster dynamic solvers, and integrated reinforced concrete design and structural steel design modules.

Enhanced Collaboration and Workflow

Autodesk Robot Structural Analysis Professional provides structural engineers with versatile interoperability that enhances collaboration with architects and other disciplines, thus helping to improve project workflow.

Embracing BIM, Autodesk Robot Structural Analysis Professional incorporates a powerful and flexible user interface with rich 3D collaboration and bidirectional links between Revit Structure, AutoCAD Structural Detailing 2009 and Revit Extensions to help simplify communication and collaboration across project phases and extended teams, which can help to save time and reduce errors.

Faster Calculations

Powerful analysis with strong finite element automeshing capabilities provides a faster means for tackling the most complex simulations and model calculations. Autodesk Robot Structural Analysis Professional can produce faster results in minutes versus hours, with nonlinear and dynamic algorithms for the most demanding and complex structures. As a result, engineers can more easily analyze different design analysis alternatives and make early improvements to the way their projects look and perform in the real world.

Versatile Interoperability

Through an open API (application programming interface), Autodesk Robot Structural Analysis Professional delivers a versatile, scalable and country-specific analysis solution for many types of structures, including buildings and bridges as well as civil and specialty structures. It can be integrated with other applications in the project workflow and provides the capability to produce plans in one country and language and then easily convert them into another.

Availability

Autodesk Robot Structural Analysis 2009 and Autodesk Robot Structural Analysis Professional 2009 are now available. For more information, visit www.autodesk.com/robot.

About BIM

BIM is an integrated process built on coordinated, reliable information about a project from design through construction and into operations. By adopting BIM, architects, engineers, contractors and owners can easily create coordinated digital design information and documentation; use that information to more accurately visualize, simulate and analyze performance, appearance and cost; and reliably deliver the project faster, more economically and with reduced environmental impact.

About Autodesk

Autodesk, Inc. is a world leader in 2D and 3D design software for the manufacturing, building and construction, and media and entertainment markets. Since its introduction of AutoCAD software in 1982, Autodesk has developed the broadest portfolio of state-of-the-art Digital Prototyping solutions to help customers experience their ideas before they are real. Fortune 1000 companies rely on Autodesk for the tools to visualize, simulate and analyze real-world performance early in the design process to save time and money, enhance quality and foster innovation. For additional information about Autodesk, visit www.autodesk.com.

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