

Press Release

Leica Geosystems, Autodesk Simplify BIM-to-Field Layout

Ability to control full-featured robotic total station through iPad app makes accurate layout and as-building of points faster and easier.



NORCROSS, GA, June 3, 2015 - Building information modeling (BIM) and virtual design and construction (VDC) professionals have a new option for BIM-to-field layout following a recent technology integration between [Leica Geosystems](#) and [Autodesk](#) that will soon be available to users in the U.S. and Canada. The new development enables professionals who use Autodesk BIM software, including Autodesk AutoCAD, Autodesk Revit and Autodesk Navisworks, to conduct BIM-based layout and quality assurance as-building in the field easily and with confidence using the Autodesk BIM 360 Layout iPad app communicating directly with Leica iCON robot 50 robotic total stations. Leica iCON is one of the only full-featured robots to be integrated with the Autodesk BIM 360 Layout app.

The Leica iCON robot 50 is designed specifically for ease of use within the construction industry. The robotic total station offers the most accurate reflectorless measurements in its class along with industry-leading tracking performance and patented PowerSearch technology for fast prism acquisition. The Leica iCON robot 50 can be operated from the field controller at the prism pole as the point positioning is needed, enabling easy layout and as-build checks with a single person.

The Autodesk BIM 360 Layout iPad app uses points created in Autodesk Point Layout pushed to the BIM 360 Glue cloud service to provide general contractors and mechanical, electrical and plumbing (MEP) contractors the ability to connect BIM to the construction layout process. The app connects design intent from a digital model with the physical world by controlling the Leica iCON robot 50. The field user is guided to physical locations on the jobsite based on points created in the 3D model that are represented in the app.

“This new integration allows for simple as-building of points as well as 3D layout from AutoCAD, Revit, or Navisworks models,” said Cathi Hayes, BIM strategy and business development director for Leica Geosystems NAFTA. “Professionals who need the functionality to create or manipulate points and points lists in the field still have the option of using iCON Build and MicroSurvey Layout software. The Autodesk BIM 360 Layout iPad app integration, however, will enable BIM departments to quickly and easily get involved with construction layout and as-building to backcheck and verify construction in place.”

To learn more, visit <http://www.constructrealityxyz.com>.

Leica Geosystems – when it has to be right

Revolutionizing the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for valuable products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defense, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and dependable services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is a brand within Hexagon Geosystems, the complete reality-capture solutions provider. With a sharp focus on information technologies that capture, measure, and visualize data, Hexagon Geosystems’ high-quality products and solutions create real digital worlds.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.

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