

NavVis Introduces Cloud-based Platform for Immersive 3D Buildings



NavVis, a German provider of indoor spatial intelligence solutions for enterprises, has announced the launch of NavVis Cloud. This new cloud-based platform gives laser scanning professionals access to NavVis IndoorViewer as a Software-as-a-Service (SaaS) solution. Fully immersive, web-based 3D buildings can now be delivered as part of every scan project using point cloud files from terrestrial laser scanners and the NavVis M6 indoor mobile mapping system (IMMS).

NavVis IndoorViewer is a web-based application that transforms data captured by laser scanners into fully immersive 3D buildings. With a few clicks, scan data is automatically structured into a basic model of the building and displayed as realistic 360° walkthroughs, point clouds and customizable floorplans. Users can then move around scanned spaces

as if they are on site and use the interactive functionality to add, search for and route to geotagged information, as well as take accurate measurements. The intuitive user interface and functionality lets every project stakeholder access, interpret and interact with scan data.

Point clouds beyond BIM models

The application has already proven to be a valuable deliverable for laser scanning professionals who want to extend the use of point clouds beyond BIM models and building plans to a wider range of stakeholders who would greatly benefit from 3D scan data. This is particularly relevant for stakeholders working on complex projects or properties, such as manufacturing facilities and construction sites, who can use NavVis IndoorViewer to access and collaborate on the scan data at the office, job site, and even in transit.

“We have had very high demand for our NavVis IndoorViewer software, especially since we introduced full-functionality for static laser scanners. This demand stems from the end customers who have received NavVis IndoorViewer with scan projects and have been using it as a tool for exchanging information and reviewing site details. We have been getting a lot of positive feedback on how much this has improved efficiency for project stakeholders,” said Georg Schroth, NavVis CTO. “Now even more users will be able to receive NavVis IndoorViewer as part of scan projects. With NavVis Cloud, our flagship software is available on demand, making it easy for laser scanning professionals to upload point cloud files and create and publish as many NavVis IndoorViewer instances as needed.”

Terrestrial laser scanners

Although NavVis IndoorViewer was originally developed to display data captured by the NavVis M6 IMMS, it now includes a feature that brings the fully immersive experience to terrestrial laser scanners. Structured E57 point cloud files are automatically converted into realistic 360° walkthroughs when uploaded to NavVis IndoorViewer. With a NavVis Cloud account, laser scanning professionals can access this feature with pay-as-you-go pricing and deliver NavVis IndoorViewer instances with as many scan projects as needed.