

FARO Introduces 3D Lidar Solutions for AEC Industry



FARO, one of the leading companies in 3D imaging solutions for construction BIM, has showcased an innovative set of 3D solutions specifically developed for AEC professionals at Intergeo 2019 in Stuttgart. Both solutions will be formally announced and available soon.

As 3D laser scanning – also known as Lidar – becomes more ubiquitous across various industries, there is an ever increasing need to make the scanning process and data processing more efficient. Conventionally, this has been addressed with a variety of mobile mapping solutions. However, these solutions typically have limitations in terms of accuracy and data fidelity.

Kinematic 3D scans

According to FARO, The company's Indoor Mobile Scanning solution enables kinematic 3D scans to be completed up to 7 times faster than a series of traditional, fixed point scans over comparable areas. Thus, projects that took days can be executed in just a few hours. Additionally, as the mobile scanner includes fixed scan capability as a standard feature, users can simply switch to high-fidelity scan mode in real time for seamless integration with mobile scan data.

The indoor mobile scanner solution combines several leading technologies, including FARO's patented Focus laser scanning technology, which have been optimized to operate in concert. Current owners of [Focus laser scanners](#) or [ScanPlan](#) products will have a simple upgrade path to the Indoor Mobile Scanning solution, which protects their original purchase investment.

Scan-to-BIM workflow

FARO As-Built Modeler Software enables AEC professionals to leverage the smoothest Scan-to-BIM workflow in the industry to date. As-Built Modeler is specifically designed to minimize the effort and time required to create as-built documentation, which is the main task across AEC professionals in the building, facility and infrastructure design phases.

This comprehensive and innovative platform automates many cumbersome processing steps that must be performed manually today. Powerful tools allow the easy creation of CAD objects that can be directly imported in any CAD system independent of the specific CAD software, dramatically simplifying the modelling workflow for FARO users across the AEC industry.

"FARO is committed to supporting our customers with the digital transition of the AEC industry by better connecting the real world with the virtual world," stated Andreas Gerster, vice president construction BIM. "As a result, we will continue to deliver high value solutions that enable AEC professionals to make informed decisions that increase productivity and reduce waste."