A Closer Look at FARO's As-Built Modeler Software for AEC Professionals

FARO recently launched its new As-Built Modeler software, a solution that aims to deliver a substantial leap forward in the conversion of as-built reality data into meaningful CAD (Scan-to-CAD) and BIM (Scan-to-BIM) models. It provides a suite of powerful evaluation tools. This next-generation software tool enables scanning service providers, craftsmen and other AEC professionals to extract building information such as CAD and BIM geometry from 3D reality data for use in any CAD system available on the market, even if it does not support point clouds.

Highly Accurate CAD Models

With FARO's new software solution, users have at their hands a fast and straightforward tool for managing point cloud projects of unlimited size, regardless of source. As-Built Modeler accelerates design productivity and cuts rework by creating highly accurate CAD models for as-built workflows – saving time, money and frustration in the process.

With As-Built Modeler, users enjoy the following advantages.

Open Workflows for Reality Data of Any Kind

Freely import as-built reality data as point clouds and meshes from FARO and other scanning solutions without any constraints in data size. 3D data render with the highest detail in 2D, 3D and Virtual Reality, no matter the source.

Direct Streaming into any CAD System

Measurements, coordinates and self-defined commands like macros can be directly streamed into Word, Excel and supported CAD systems, allowing AEC professionals to work efficiently with the design systems most familiar to them. Supported design systems include Allplan, BricsCAD, HiCAD, Rhino 3D and many more.

Fully automatic extraction tools support easy and extremely fast streaming of relevant building information, eliminating time-consuming manual processes.

Intuitive Evaluation Tools

Easily extract planar regions of complex geometries from point clouds to be integrated into proven and closed surface models, which can be exported into any CAD system by supporting common exchange file formats.

Create sections and slices from point clouds, automatically extracting line models and generating ortho-images for creating floor, elevation and facade plans. With only a few clicks, distances, areas and volumes can be quickly measured.

Projects that are Worth Seeing

Video renderings and fly-through videos from the imported and modelled data can be created, providing an impressive visualization of the project status and retrofitted designs that can be easily shared with partners and stakeholders.

See here for the technical details of As-Built Modeler