FARO BIM Ready Package for Revit®

Laser Scan to BIM Solution for the Building Lifecycle

The FARO BIM Ready Package for Revit® combines FARO's innovative Focus^{3D} Laser Scanner, SCENE intuitive registration software and PointSense for Revit®. The intellectual point cloud extraction tool is used to deliver real world information into BIM models. Efficient delivery and analysis of this information enables project owners to reduce overall project costs while meeting or exceeding scheduled deadlines.
FARO's customized BIM Ready Package for Revit® provides customers a comprehensive field-to-finish solution for every phase of the building lifecycle.

Testimonial

"FARO provides an all-inclusive set of tools which allows us to streamline the process from site scanning to BIM deliverables in Revit."

F. Scott Reed, founder of Prologue Systems, LLC

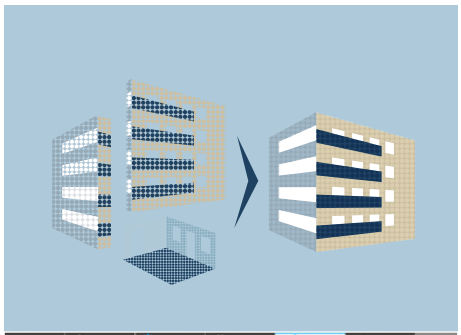
Advantages

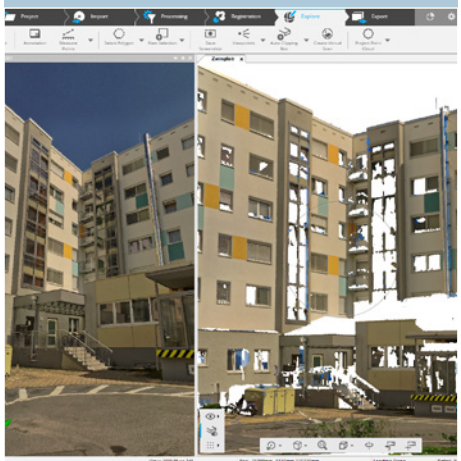
- Fast, straightforward and accurate scanning capability
- Point cloud imagery with authentic color for true-to-life visualization
- Improved and automated registration workflow with an intuitive user interface
- Work with laser scan data directly inside Revit®
- Extract building components and analyze them against scan data
- One complete ready-made solution for all common BIM applications

Scan

Capture real world conditions accurately with a FARO Focus^{3D} Laser Scanner

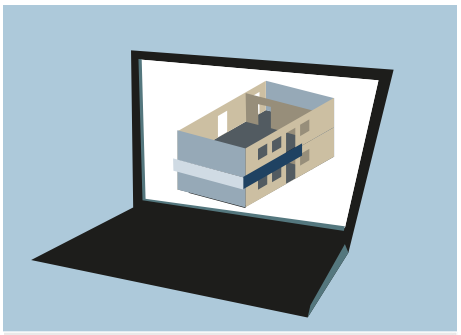
Process

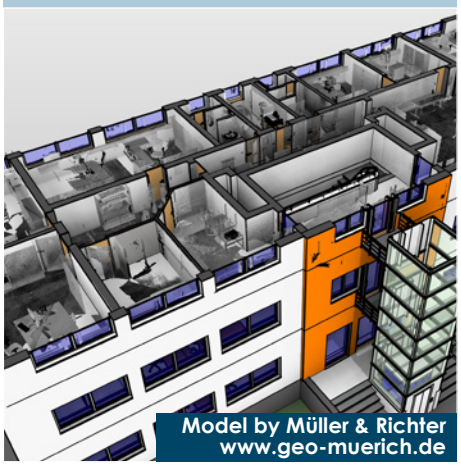




Process and register in SCENE

Deliver





Model and deliver in PointSense for Revit

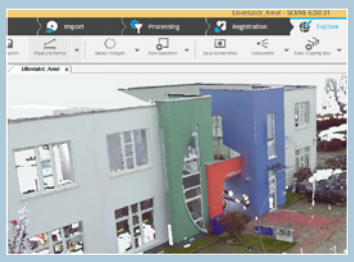
BIM Ready Package for Revit®

Laser scanning is still an emerging technology, which places high demands on equipment and software. This bundle combines the most advanced hardware with the most sophisticated software into one all-inclusive package for a seamless workflow.

Focus^{3D} X Series Laser Scanner

The smallest and lightest laser scanners on the market - the Focus^{3D} X Series are ideal tools for indoor and outdoor applications. The fast and accurate Focus^{3D} Laser Scanners offer everything you expect from professional 3D laser scanners along with FARO's established and well-known level of simplicity.

- Focus^{3D} X 330 offers extra long range — 330 meters.
- Focus^{3D} X 130 is a mid-range device offering precise scanning up to 130 meters.
- The HDR imaging function and high-resolution photographs deliver realistic and true-to-detail scan results with spectacular image quality.
- The Focus^{3D} X 30 Laser Scanner is specially designed to meet the requirements of short-range and interior scanning applications, capturing data up to 30 meters.
- All Focus^{3D} X series scanner types offer the ability to perform exceptional scanning in bright sunlight.



SCENE Software

SCENE processes and manages scanned data easily and efficiently by using automatic object recognition as well as scan registration and positioning. SCENE can also generate high-quality colorized scans very quickly, while providing the tools for automated target-less scan positioning.

- Once SCENE has prepared the scan data, evaluations and further processing can commence immediately.
- Scan projects can be published on a web server at the touch of a button.
- The new SCENE WebShare feature allows easy access to laser scans with a standard Internet browser.

PointSense for Revit®

The functionality of PointSense allows for a quick and intuitive workflow when processing large point clouds in Revit® and creates inventory architecture that can be used in BIM.

- The 3D models are created directly in Revit® point clouds. They use special commands for modeling and detailing BIM elements such as: ground surfaces, walls, doors, windows, stairs, columns, beams, pillars, roofs and many more.
- Tools designed for automatically fitting and aligning walls
- Directly creating point clouds using 3D construction aids and real 3D point snap
- Fit Revit® work planes in the point cloud
- Calculate from ortho images directly in the Revit® project
- Process scanned data in the Revit® Families Editor
- Simple and intuitive navigation in the photo like scan view

Technical Requirements

Operating system	Microsoft® operating system, Windows 7, 8, 8.1 or 10 in the 64-bit version.
Hardware requirements	Autodesk recommends a multi-core Intel® Xeon®, or an i-Series processor, or the AMD® equivalent with 16 GB RAM and DirectX® 11 compatible graphics card and SSD (Solid State Drive) hard disk with at least 5 GB of free memory.
Supported Revit® Versions	Revit® 2015 or later. You can use the Autodesk products Revit® Architecture, Revit® MEP, Revit® Structure or the complete Revit® version from the Autodesk® AEC Industry Collection.

Request a laser scanner demo or software trial via: www.faro.com/about-faro/contact/general-contact • All solution components are available as single products.

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