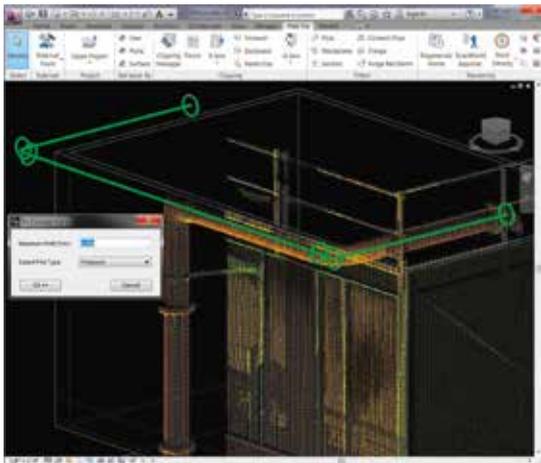
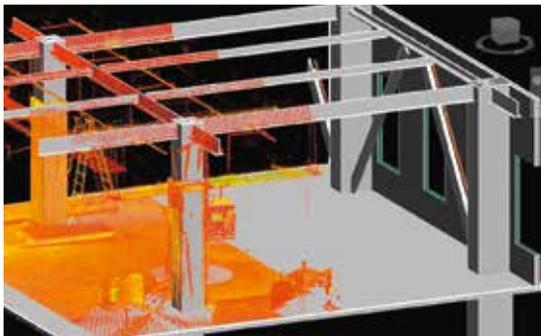


Leica CloudWorx 2.0 for Revit



Intelligent point fitting tools assist in finding pipe centerlines and diameters. This ensures users can identify exact and accurate tie points and clashing, a very important part of modeling as-built piping.



Revit model objects (walls, floors, columns, etc.) can be best-fit to the point clouds which provide accurate as built models.

The Plug-in Advantage

Autodesk Revit Software has some built-in support for point clouds. However, by adding the Leica CloudWorx plug-in, users benefit from additional tools and higher efficiency of a more productive point cloud enabled BIM modeling solution. Starting with much easier access to the point cloud data, a user can just open a Cyclone project directly in Revit. Users also find a critical set of tools for efficiently cropping the cloud, and controlling the display parameters along with the ability to use unlimited sized point clouds.

Leica CloudWorx for Revit provides critical new modeling tools required to efficiently and accurately create a BIM model of an existing structure.

The Advantage of Point Cloud Display Control

To focus on particular areas of interest, easy-to-use tools define specific areas of 3D point clouds to display. For improved visualisation of point clouds, segments of point clouds can be selectively hidden using fences, slices or user-defined cutplanes.

The BIM Modeling Advantage

Tools to fit patches/workplanes directly from the point cloud or set up work planes facilitate the BIM-from-pointclouds process. Additional tools provide for accurate placement of walls, floors, structural members, doors, windows, mechanical equipment, etc.

BIM for Retrofit Projects

Engineers, Contractors, Architects and Designers can use CloudWorx for retrofit design projects to see their new work proposals/designs inside the point cloud that represents the actual existing condition. The unparalleled detail provided by point clouds allows users to conceive, design, visualise and dynamically interact in context with the real world "existing condition". Users experience a virtual site presence within Revit.

Leica CloudWorx 2.0 for Revit*	Minimum Specifications	Recommended Specifications
Large point cloud mgt 3D limit boxes, slices, interactive visualisation of massive data sets Cyclone Object Database Technology: fast efficient point cloud management	Processor: 2 GHz Dual Core processor or better RAM: 2 GB (4 GB for Windows Vista or Windows7) Hard disk: 40 GB	Processor: 3.0 GHz Quad Core w/ Hyper-threading or higher RAM: 32 GB's or more 64 bit OS Hard disk: 500 GB SSD Drive
Rendering Level of Detail (LOD) graphics, "Single pick" point cloud density control	Display: SVGA or OpenGL accelerated graphics card (with latest drivers)	Large project disk option: RAID 5, 6, or 10 w/ SATA or SAS drives Display: Nvidia GeForce 680 or ATI 7850 or better, with 2 GB's memory or more
Visualisation Intensity mapping, True colour, and Grey scale Limit boxes, slices, and cut planes	Supported operating systems: Windows 7 (32 or 64), or Windows 8 & 8.1 (64bit only)	Operating system: Microsoft Windows 7 - 64bit
Measurement 3D point coordinate, Point-to-point, Point-to-design entity	File system: NTFS	File system: NTFS
Modeling Pipe center construction line generation Pipe diameter Connection of pipe runs Drive native Revit modeling commands using point cloud pick points Automatic planar surface (patch) detection to set work planes	* Reference the Leica Cyclone Technical Specifications document for a complete listing of product specifications.	

Windows is a registered trademark of Microsoft Corporation. Other trademarks and trade names are those of their respective owners.

Leica CloudWorx 2.0 for Revit is compatible with the Revit 2013-2016 Family of products.

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