



Press Release

New CloudWorx v2.0 for AutoCAD Reduces Costs of As-builts from 3D Laser Scanning

San Ramon, CA – December 2, 2002. Cyra Technologies, Inc. (a Leica Geosystems company) announced a new release of its breakthrough *Cyclone*™ CloudWorx™ v2.0 for AutoCAD. The new software version further reduces the cost of creating accurate as-built drawings directly within AutoCAD applications when using rich, large 3D laser scan files. Based on the overwhelmingly favorable response to the initial CloudWorx v1.0 release, Cyra is now offering two versions of CloudWorx v2.0 for AutoCAD: “Basic” and “Pro”.

Automatic Piping As-builts

CloudWorx Pro v2.0 enables users to automatically create accurate piping drawings and models directly in AutoCAD from point clouds captured by *Cyrax*® 3D laser scanners. The user can model and represent piping as centerlines for routing and tie-point analyses, or as cylindrical surface models for clash detection. Piping as-builts can be created either by picking a point on a point cloud to “region grow” and include neighboring points or by creating a fence around a group of points and instructing the software to create pipe. Segments of modeled piping can also be automatically extended and connected to intersect and create a piping run.

Easier Point Cloud and “Slice” Management

When creating as-builts from point clouds in AutoCAD, it is now much easier to work with individual point clouds and the cutplanes that users create when generating slices through point clouds. The ability to selectively load individual scans from different scanner positions, rather than to work with the full, complete set of registered scans, gives users control over the data set which is very helpful when extracting information and geometry from specific areas of a large scene for engineering, architecture, surveying and construction applications.

CloudWorx v2.0 also lets users create and view point cloud slices/sections and save/restore them as needed. Users can now toggle back and forth between saved sections and simply recall the optimal section(s) for their work. In CloudWorx v1.0, only the last displayed section was saved.

Finally, users can visualize 3D point clouds better in AutoCAD with CloudWorx v2.0’s brightness and color management controls. Previously, point clouds were sometimes difficult to visualize.

CloudWorx v2.0 “Pro” and “Basic”

The “Basic” module is intended for users who simply want to view point clouds and slices in AutoCAD, plot them, and/or perform rough distance measurements. The “Pro” module includes all functionality of the Basic module, plus automatic pipe modeling, the ability to accurately “snap” to points when making distance measurements, and the ability to fully manage point clouds and 2D slices. CloudWorx Pro v2.0 is the ideal product for users to generate deliverables using a combination of CloudWorx and AutoCAD functionality.

Availability

The new *Cyclone* CloudWorx v2.0 for AutoCAD “Basic” and “Pro” modules are available immediately. CloudWorx is compatible with popular AutoCAD-based piping design applications such as AutoPLANT (Bentley/Rebis), CADWorx (Coade), and CADPIPE (AEC Design Group) as well as civil engineering applications such as Land Desktop (Autodesk). Pricing information is available through Cyra representatives.

Additional Information

For additional information on this release, please contact Diane Hum (emailto: diane.hum@cyra.com), tel 1-925-790-2300, www.cyra.com.

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About Cyra Technologies, Inc.

Cyra Technologies, Inc. (www.cyra.com) is based in San Ramon, California. The company specializes in the development and manufacture of advanced 3D Laser Scanning Systems and Software. These products are used for performing complex as-built or site surveys and for a variety of 2D & 3D mapping and modeling applications in the AEC and other markets. Cyra Technologies, Inc. was founded in 1993, was acquired in February 2001 by Leica Geosystems AG, and operates as a wholly owned subsidiary. Cyra is the largest vendor in the emerging market for 3D Laser Scanners and related software.

About Leica Geosystems

Leica Geosystems is a world leader in spatial data acquisition and data handling products (www.leica-geosystems.com). The Swiss-headquartered company was founded 1921 and has been a public company since July 2000. Leica Geosystems provides customers with reliable, efficient and easy-to-use products based on innovative and leading-edge technologies. Leica Geosystems is also noted for an excellent global distribution network, reliable customer support, and partnerships with other leading companies in surveying, mapping and GIS. The main markets that Leica Geosystems serves today are topographic and cadastral surveying, engineering and construction surveying, GIS, mining, construction and industrial measurement markets and a number of attractive market segments that have a need for high quality and accurate instrumentation and powerful application software.

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