

# Leica Cyclone 5.8 SERVER

3D point cloud server software for engineers and surveyors

## **Leica Cyclone SERVER**

is a standalone server module that enables individual members of work groups to simultaneously access 3D point clouds, embedded images, and geometric surface models. This provides a powerful environment for collaborative design on large, complex projects and can significantly reduce project execution time.

## **Collaborative Work Group Access to Leica Cyclone Databases**

Each module of the Leica Cyclone 3D point cloud processing software product line is based on a Client/Server Object Database foundation. Cyclone SERVER supports the concurrent connection of up to ten (10) 'client' users to the same data server in a network environment. These clients can be licensees of Leica Cyclone SERVER, Leica Cyclone MODEL, Leica Cyclone SURVEY, Leica Cyclone VIEWER, Leica CloudWorx for AutoCAD, Bentley CloudWorx (distributed by Bentley Systems, Inc), Leica CloudWorx for Intergraph SmartPLANT Review, or Leica CloudWorx for PDMS.

## **Central Leica Cyclone SERVER for Efficient Database Management**

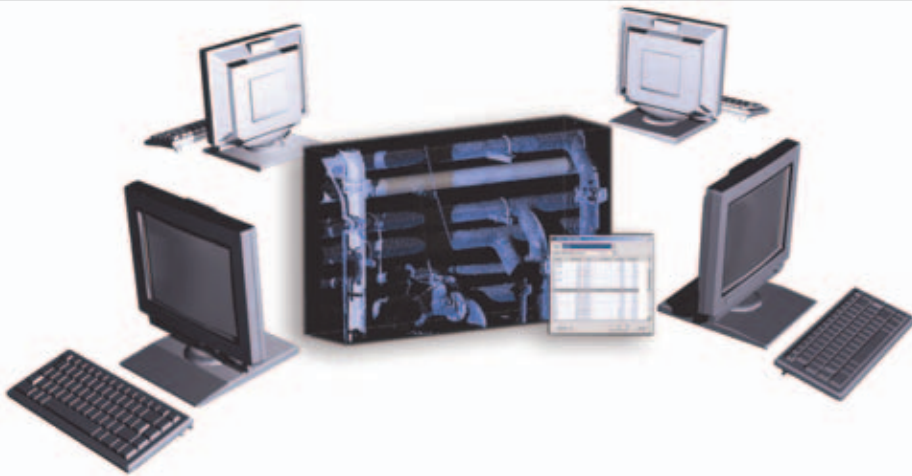
Cyclone SERVER eliminates data redundancy and related synchronization issues, frees disk space on

workstations, and provides more reliable access in network environments. A dedicated server, administered remotely by authorized users, can serve databases to Cyclone clients on the same network. Workstations with licenses of Cyclone software can also contain Leica Cyclone SERVER licenses, distributing the server load. Cyclone's PC-based server products are effective tools for computers with single or multiple processors. This server based access environment provides a familiar and compatible data access and management method for organizations already using network distributed applications such as high-end plant design systems.

In addition, Workstation-based Cyclone installations can selectively locate projects in an unshared mode, as opposed to offering all data available for sharing. This offers performance enhancements by relieving the overhead required to support a multi-user access environment to the data. Users have the productivity advantage of this capability whenever they choose and can selectively share the data with their workgroup again at any time.

## **Integrated Suite of Leica Geosystems Software Modules**

Leica Cyclone consists of an integrated suite of modules with a common interface and architecture. Leica Cyclone SCAN controls HDS scanners. Leica Cyclone REGISTER quickly and accurately aligns point clouds captured from different scanning positions to a common coordinate system. Leica Cyclone MODEL is the complete tool set for information extraction and 3D modeling. Leica Cyclone SURVEY, a subset of Cyclone MODEL, is ideal for surveyors. Leica Cyclone VIEWER is a free, view-only version of Leica Cyclone software. Leica Cyclone PUBLISHER generates panoramic views of point clouds that can be viewed, measured and marked up over the web using the free Leica TruView software. Lastly, the Leica CloudWorx family of applications lets users efficiently view and process scan data directly within specific CAD applications.



- when it has to be **right**

**Leica**  
Geosystems

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## Features and Benefits

### Scalable Configuration

Up to ten (10) simultaneous client users of Leica Cyclone and CloudWorx software products

### Leica Cyclone Object Database Client/Server Technology

Fast data processing  
Efficient, friendly data management

### Fully Integrated

Integrates smoothly into office network  
Enables users to store Cyclone databases on a database server and share point cloud data and 3D models  
Minimizes or eliminates duplication of database files  
Fully integrated with all other Cyclone and CloudWorx modules

### System Requirements

Microsoft Windows XP (SP1 or higher), Windows 2000 (SP3 or higher with up to date security patches)  
2.0 GHz Pentium® 4 or higher/ Pentium® M Processor 1.7 GHz or higher  
512 MB RAM (1GB or more recommended) SVGA or OpenGL accelerated graphics card Ethernet network card, for licensing

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