# Leica Cyclone SERVER 9.0
## Optimal network sharing of laser scan data

**ACRE SURVEYING SOLUTIONS**
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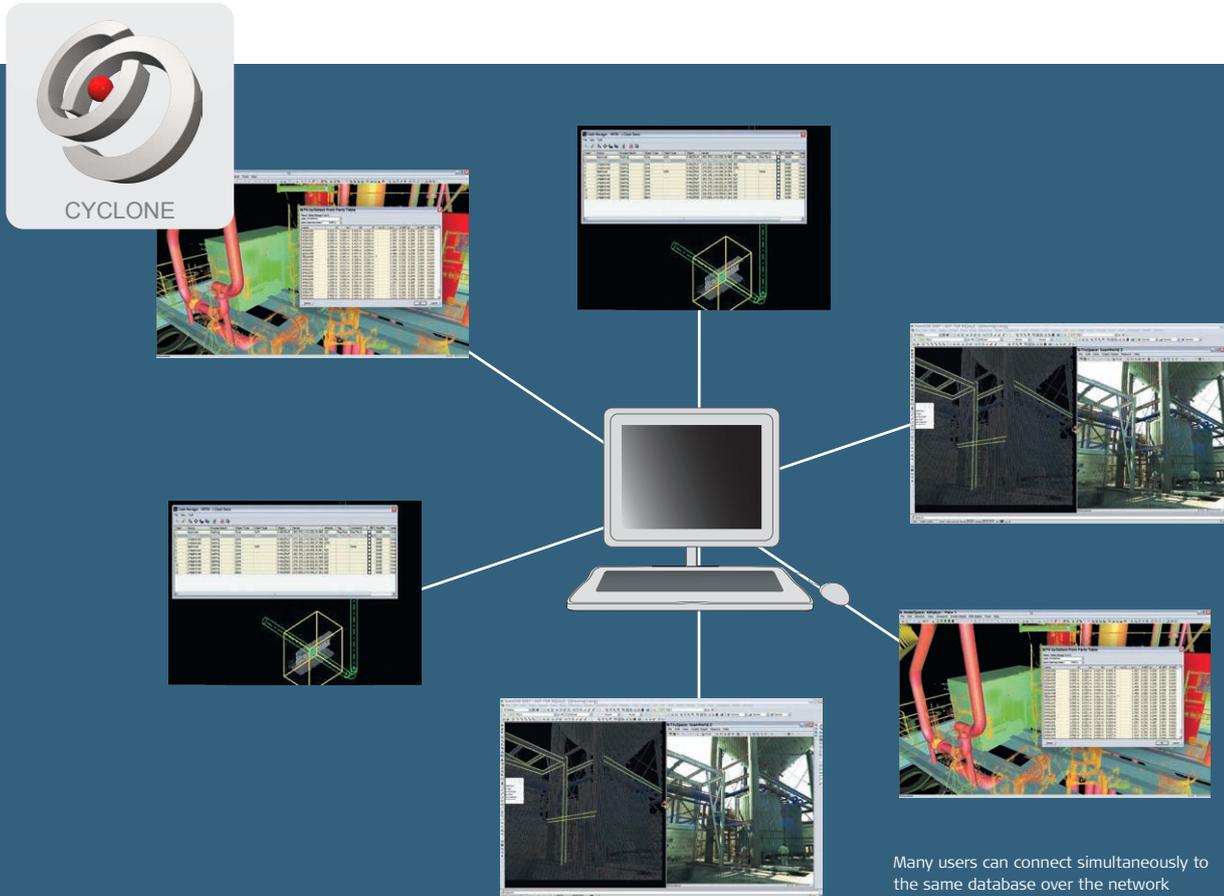
CYCLONE



Many users can connect simultaneously to the same database over the network

### IT-friendly solution for multi-user environments

Leica Cyclone SERVER is standalone server software that can significantly reduce office schedules for High Definition Survey™ projects when more than one person is available to process laser scan data. It is particularly beneficial for large projects, multi-discipline projects, and projects with demanding schedules. Cyclone SERVER is successfully used for plant, civil, architectural and other projects.

Cyclone SERVER takes advantage of the powerful Client/Server Object Database foundation of Cyclone and CloudWorx point cloud processing modules to enable multiple office staff to simultaneously acces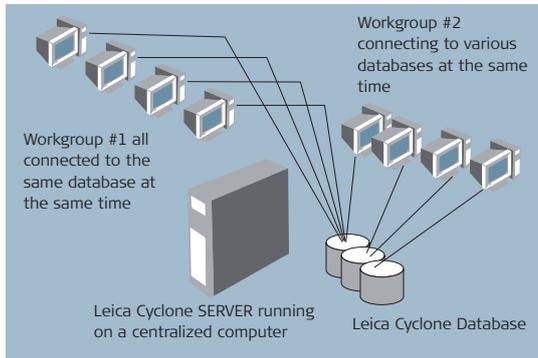s point cloud data, embedded images, and geometric surface models. This eliminates burdensome data copying and related synchronisation issues, frees disk space, and provides more reliable access to the project data in network environments.

### Features and Benefits
- Shared/Unshared mode
- Single/multi-processor computers
- Familiar network distributed application like 3D plant design software
- Supports all Leica Cyclone and Leica CloudWorx applications
- Up to 10 concurrent users
- Dedicated or distributed server implementation

- when it has to be **right**

**Leica Geosystems**

# Leica Cyclone SERVER 9.0



Workgroup #2 connecting to various databases at the same time

Workgroup #1 all connected to the same database at the same time

Leica Cyclone SERVER running on a centralized computer

Leica Cyclone Database

**Simultaneous multi-user access to network shared databases provides optimal flexibility and project productivity. Huge point cloud databases are maintained in a simple, secure and centrally managed location.**

## Hardware and System Requirements

**Minimum Specifications**

**Processor:** 2 GHz Dual Core processor or better

**RAM:** 2 GB (4 GB for Windows Vista or Windows 7)

**Hard Disk:** 40 GB

**Display:** SVGA or OpenGL accelerated graphics card (with latest drivers)

**Supported operating systems:** Windows XP (SP2 or higher) (32 or 64)**, Microsoft Vista* **, Windows 7 (32 or 64), Windows 8 & 8.1 (64bit only), or Windows Server 2008 (32 or 64) & 2012 (64bit only)

**File System:** NTFS

**Recommended Specifications**

**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

**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

**Operating system:** Microsoft Windows 7 – 64bit

**File system:** NTFS

\*   Some systems may not support Windows Vista's Desktop Windows Manager (DWM) with Leica Cyclone and must be operated in Windows Classic Look.

\*\*  Can only borrow or be a floating license client.

## 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 10 client users to the same data server in a network environment. These clients can be licensees of any Leica Cyclone or Leica CloudWorx application.

## Central Leica Cyclone SERVER for Efficient Database Management

Cyclone SERVER eliminates data redundancy and related synchronisation issues, frees disk space on workstations, and provides more reliable access in network environments. A dedicated server, administered remotely by authorised 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 organisations 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.

## Leica Geosystems HDS Software Family

Cyclone SERVER is part of a full software family for managing laser scan data. Check the web address below for additional information.

**Leica Geosystems AG**
Heerbrugg, Switzerland

**www.leica-geosystems.com/hds**

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