

Leica Geosystems Release Notes

Product Leica Cyclone MODEL VR Viewer 1.0
Date 20 August 2018
From HDS Software Product Management

Contents

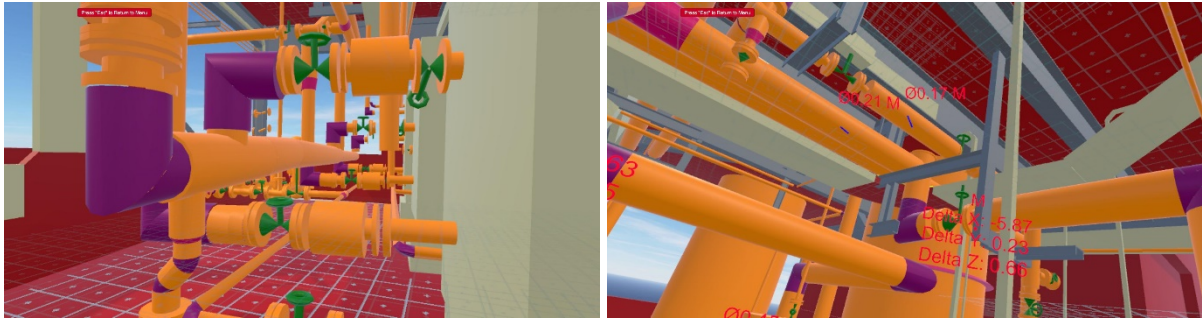
Introduction	2
Key Features	2
Smarter Visualization.....	2
Smarter Collaboration with Snapshots	2
Smarter Interaction with Measurement and Markup	2
Licenseing	3
Compatibility	3
Compatibility with Leica Cyclone	3
Compatibility with VR Headsets	3
Recommended Computer Specifications	3

Introduction

Cyclone MODEL VR lets you experience your Cyclone models like you've never seen before. With intuitive 1:1 visualization, you can now walk around your model as you would a physical site, make markups and take snapshots to send to colleagues or subcontractors.

Key Features

Smarter Visualization



Step into the future of visualization with Cyclone MODEL VR. No longer confine your 3D data to the 2D screen. Now, for the first time ever, you can publish your Cyclone models directly to a VR platform to experience your data in its true 3D format. With the full suite of Leica Geosystem's technology, users can now simulate dangerous or potentially harmful environments for safety training or evaluate design plans at 1:1 scale.

- Upon export from Cyclone MODEL, objects are colored to differentiate object and surfaces based on their properties.

Smarter Collaboration with Snapshots

Eliminate confusion and enable smarter collaboration with Cyclone MODEL VR. Effective communication is key to keeping a project on schedule and keeping clients engaged and happy. Cyclone MODEL VR allows you to not only mark up your models in real-time but save snapshots of your proposed changes for others to implement. Even share your VR experiences with colleagues or clients remotely to let them experience designs for themselves.

- Snapshots allow you to capture your view and share it with anyone
- Send the CVR file and the free Viewer to colleagues

Smarter Interaction with Measurement and Markup



When you can't get to a site, a model is the next best thing. Now, with Cyclone MODEL VR, you can immerse yourself in your models like never before. With intuitive navigation and a robust set of mark up, measurement and communication tools, you can get truly hands-on with your work. Either teleport

to locations using your controllers or walk around your environment. The 1:1 scale makes it the perfect tool for planning and design review or to get client buy-in on a new project.

- **Measurement:**
 - Elevation
 - 3D coordinate
 - Distance / Length
 - Diameter
 - Degrees
 - User-defined units available in imperial and metric
- **Markup:**
 - Multi-colour mark ups
 - Changeable diameter of drawing tool

Licenseing

Cyclone MODEL VR Viewer is a free viewer which accepts CVR files. CVR files must be published from Cyclone 9.3 or later with a Cyclone MODEL VR PUBLISHER License.

Cyclone MODEL VR PUBLISHER is not part of Cyclone PUBLISHER Pro.

Compatibility

Compatibility with Leica Cyclone

Cyclone MODEL VR publishing is available in Leica Cyclone 9.3 and higher.

Compatibility with VR Headsets

Cyclone MODEL VR Viewer requires an HTC Vive.

Recommended Computer Specifications

It is recommended that minimum requirements for both publishing and viewing are observed for best results.

System Requirements

Hardware Requirements	VR Viewing, Minimum (PC to run HTC Vive)	VR Publishing, Minimum
Processor	Intel Core i5-4590/AMD FX 8350 equivalent or better	2.0 GHz Dual Core or better
RAM	4 GB	2 GB or more (4 GB for Windows 7)
Hard disk	N/A	40 GB
Graphics Card	NVIDIA GeForce GTX 970, AMD Radeon R9 290 equivalent or better (with latest drivers)	SVGA or OpenGL accelerated graphics card (with latest drivers)
Video output	HDMI 1.4, DisplayPort 1.2 or newer	N/A
USB port	1x USB 2.0 or better	N/A
Operating system	Windows 7 SP1, Windows 8.1 or later, Windows 10	