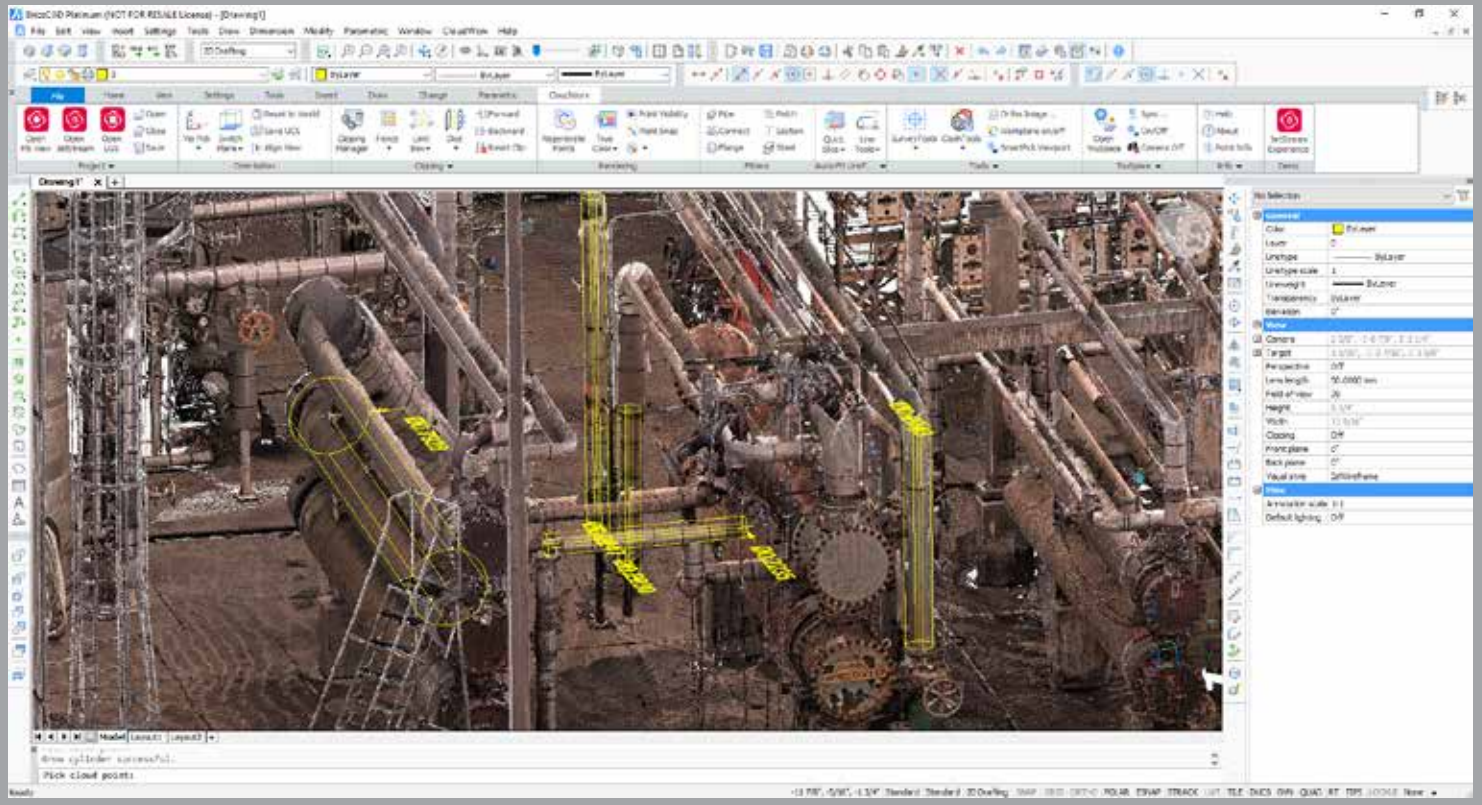
Leica CloudWorx
Technical Specifications



Valid as of February 2021

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Leica Geosystems

Leica CloudWorx Technical Specifications

VISUALISATION, MODELLING & QUERY TOOLS	AutoCAD Basic	AutoCAD Pro	Bentley	PDMS	Revit	Navisworks	BricsCAD Basic	BricsCAD Pro	SOLIDWORKS	Ultimate
Data Sources										
Cyclone ModelSpace	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Direct connect to Cyclone REGISTER 360	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Open LGS file	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Connect to JetStream Enterprise	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Connect to Cyclone ENTERPRISE	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
RCP	♦	♦			♦					♦
Direct import to HeXML	♦	♦			♦	♦	♦	♦		♦
Large Point Cloud Support	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Level of Detail (LOD) graphics	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Load multiple point sources simultaneously	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Multiple document LGS support	♦	♦			♦		♦	♦	♦	♦
Visualisation Modes										
Intensity mapping and True colour	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Silhouette Mode	♦	♦	♦	♦	♦	♦	♦	♦		♦
Colour by elevation	♦	♦			♦	♦	♦	♦	♦	♦
Cutplane Manager (sections, slices)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hide Regions Manager (fences)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Layers in Cyclone database	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Limit box	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Design Point Placement: Pipe Centre D-Point, D-Point at pick				♦						♦
Flange Tie-Point Location Tool: Place flange D-Point from point cloud				♦	♦					♦
Interference Checking		♦	♦	♦	♦	♦		♦		♦
Flange Tie-Point Location Tool		♦	♦		♦			♦		♦
Modelling										
Pipes Fitter		♦	♦	♦	♦			♦	♦	♦
Elbows		♦	♦	♦	♦			♦	♦	♦
Flange		♦	♦	♦	♦			♦	♦	♦
2D lines, Polylines arcs		♦	♦		♦			♦		♦
Steel Fitter		♦	♦	♦	♦			♦	♦	♦
Column Fitter					♦					♦
Window Fitter					♦					♦
Door Fitter					♦					♦
Wall Fitter					♦					♦
Fit wall from polyline					♦					♦
Ducts					♦					♦
Floors, roofs					♦					
Fit Revit-native objects					♦					♦
Align cloud to model					♦					♦

VISUALISATION, MODELLING & QUERY TOOLS	AutoCAD Basic	AutoCAD Pro	Bentley	PDMS	Revit	Navisworks	BricsCAD Basic	BricsCAD Pro	SOLIDWORKS	Ultimate
Advanced clash management database system		♦	♦	♦	♦	♦		♦		♦
QuickSlice		♦			♦			♦		♦
Auto-Fit Polyline from 1 Pick & 2 Pick		♦			♦	♦		♦		♦
Open KeyPlan		♦	♦	♦	♦	♦		♦		♦
TruSpace										
Simple/advanced annotation styles		♦	♦	♦	♦	♦		♦		♦
2D setup navigation in TruSpace		♦	♦	♦	♦	♦		♦		♦
3D navigation in TruSpace		♦	♦	♦	♦	♦		♦		♦
Setup navigation in TruSpace		♦	♦	♦	♦	♦		♦		♦
Open TruSpace		♦	♦	♦	♦	♦		♦		♦
Sync TruSpace viewer to Viewport or Viewer in CAD system		♦	♦	♦	♦	♦		♦		♦
Sync TruSpace picks to CAD drawing tools		♦	♦	♦	♦	♦		♦		♦
Quick Limit Box from TruSpace		♦	♦	♦	♦	♦		♦		♦
View, create/edit GeoTags in TruSpace		♦	♦	♦	♦	♦		♦		♦
View Assets in TruSpace		♦	♦	♦	♦	♦		♦		♦
View Snapshots and Markups in TruSpace		♦	♦	♦	♦	♦		♦		♦
5K pano images in TruSpace		♦	♦	♦	♦	♦		♦		♦
TruSpace Layers (RGB, HDR, greyscale intensity, hue intensity, IR w/ temperature data)		♦	♦	♦	♦	♦		♦		♦
Licence notifications	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Points On A Grid		♦	♦					♦		♦
UCS Orientation Tools		♦						♦	♦	♦
SmartPicks (Highest, Lowest, and Ground)		♦	♦					♦		♦
Set grid					♦					♦
Parts/Assembly Support									♦	
Floor Flatness/Floor Levelness		♦			♦			♦		♦
Orthoimage (GeoTIFF, PNG, JPEG)		♦			♦			♦		♦
Localised in the following languages:										On a per product basis
English	♦	♦	♦	♦	♦	♦	♦	♦	♦	
French	♦	♦	♦		♦	♦	♦	♦	♦	
German	♦	♦	♦		♦	♦	♦	♦	♦	
Italian	♦	♦			♦	♦	♦	♦	♦	
Spanish	♦	♦			♦	♦	♦	♦	♦	
Japanese	♦	♦	♦		♦	♦	♦	♦	♦	
Chinese (simplified and traditional)	♦	♦			♦	♦	♦	♦	♦	
Russian	♦	♦			♦	♦	♦	♦	♦	
Korean	♦	♦			♦	♦	♦	♦	♦	
Offers access to CloudWorx for AutoCAD, Revit, Bentley, PDMS, Navisworks										♦

MULTIPLE POINT SOURCE SUPPORT	LGS	Cyclone ENTERPRISE	JetStream Enterprise	Cyclone REGISTER 360	Cyclone ModelSpace
LGS	♦	♦	♦	♦	
Cyclone ENTERPRISE	♦	♦		♦	
JetStream Enterprise	♦		♦	♦	
Cyclone REGISTER 360	♦	♦	♦	♦	
Cyclone ModelSpace					♦

The above table describes the data sources that are compatible for simultaneous opening.

The below computer specifications are applicable to all Leica CloudWorx products.

Minimum Computer Specification

Processor	2 GHz Dual Core processor or better
RAM	Minimum 8 GB or more for 64-bit OS
Graphics card	Nvidia - Quadro or GeForce 1 GB (with OpenGL support, versions 3.2 or higher)
Operating system	Microsoft, Windows® 10 (64 bit supported)
Hard disk	40 GB with 1 GB or more free disk space

Recommended Computer Specification

Processor	3.0 GHz Quad Core w/ Hyper-threading or higher
RAM	32 GB or more for 64-bit OS
Graphics card	Nvidia - Quadro or GeForce 1 GB (with OpenGL support, versions 3.2 or higher) with latest drivers
Operating system	Reference documentation for destination CAD package
Hard disk	500 GB SSD Drive with 1 GB or more free disk space
Large project disk option	RAID 5,6 or 10 w/ SATA or SAS drives

Version Compatibility

CloudWorx 2020 for AutoCAD Basic/Pro	AutoCAD, Civil3D and Map3D 2018-2021
CloudWorx for 2020 Bentley	Microstation: J-Vi8, CONNECT AECOsim Building Designer CONNECT Edition Update 4 OpenBuildings Designer CONNECT Edition Update 5, 6
CloudWorx for 2020 PDMS	PDMS versions 12.0 and 12.1. For version 12.0 you need at least PDMS12.0.SP6.55 hotfix and for 12.1 you need at least 12.1.SP4 hotfix.
CloudWorx for 2020 Revit	Revit 2018-2021
CloudWorx for 2020 Navisworks	Navisworks Manage and Simulate 2018-2021
CloudWorx for 2020 BricsCAD Basic/Pro	BricsCAD v18 – v21
CloudWorx for 2020 SOLIDWORKS	SOLIDWORKS 2018- 2021

Customer Care Packages (CCP) Information

CloudWorx 2020 for AutoCAD Basic/Pro	December 13, 2020
CloudWorx 2020 for MicroStation	December 13, 2020
CloudWorx 2020 for Bentley	December 13, 2020
CloudWorx 2020 for PDMS	December 13, 2020
CloudWorx 2020 for Revit	December 13, 2020
CloudWorx 2020 for Navisworks	December 13, 2020
CloudWorx for 2020 BricsCAD Basic/Pro	December 13, 2020
CloudWorx for 2020 SOLIDWORKS	December 13, 2020

CloudWorx Ultimate Compatibility

CloudWorx for AutoCAD
CloudWorx for Revit
CloudWorx for Navisworks
CloudWorx for Bentley
CloudWorx for PDMS

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Product functionality is subject to change.

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