

- when it has to be **right**



Leica Geosystems

Release Notes

Product Leica Infinity
Date 26th November 2025
From Kevin Hanson

Leica Infinity v5



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1 WELCOME TO INFINITY V5

LEICA INFINITY

Please read the following chapters carefully to learn more about what is new.

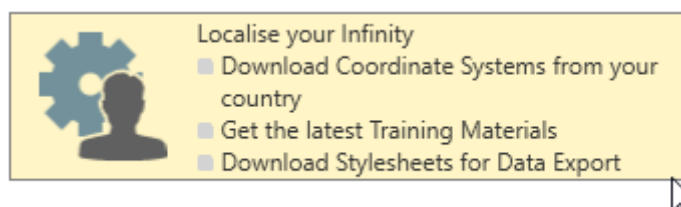
OVERVIEW WHAT'S NEW

- New Drafting module that lets users create and share drawings of field work
- New TS20 - Be ready with the optimal workflow using Leica Infinity
- Improved Captivate Infinity data flows with improved data management
- Improved CAD friendly data flows including improvements for blocks and styles
- New Level Lines wizard that simplifies edits and assignment of control points
- Customer requested improvements and bug fixes

GETTING STARTED – HELP & SUPPORT

Getting started, users have access to information and useful data including coordinate systems, stylesheets, tutorials and sample data, all available from the *Localisation Tool*.

From the **Help** menu, click on the **Localise your Infinity** button to access this data and the tutorials to help you get started with Infinity.



ORDERING INFINITY

Infinity has flexible ordering options. Users can purchase a one-time permanent perpetual license or opt for a subscription plan.

On top of our existing Leica Infinity – Basic package, users can purchase additional packages tailored to their needs. All packages and their features can be found on the [Leica Infinity data sheet](#).

Contact your local Leica representative to discuss what options are best for meeting your project and workflow needs.

YOUTUBE VIDEOS

Check the Leica Infinity [YouTube page](#) to see the new **How to create drawings to document your field work** video, that helps you get started using the Drafting module.

While you are there, see our playlist of how-to-videos that help you get familiar with all the features of the application including tips & tricks and best practices.

2 INSTALLATION DETAILS

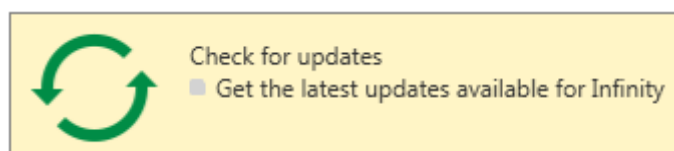
INSTALLATION INFORMATION	Leica Infinity v5	Build	Maintenance End Date
		5.0.0.46612	1 st November 2025
	Leica Infinity a Windows 64bit application		



With an active CCP or Leica Infinity subscription license, users will be able to update to this new version. Confirm that your Maintenance End Date is on or after the date listed above before installation.

New users can download the latest version from the Leica Geosystems [myWorld](#) support website.

CHECK FOR UPDATES	From <i>Help & About</i> choose Check for updates . When a new version is available you will be notified that the update can be downloaded from myWorld .
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OPERATING SYSTEM REQUIREMENTS	The following Microsoft® Windows™ operating system editions are supported: • Desktop: Windows 11 • Server: Windows Server 2019, Windows Server 2022, Windows Server 2025 Note: you must have administrative privileges on your computer to successfully install Leica Infinity.
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MINIMUM HARDWARE	• Display: 1024 * 768 px • Input: keyboard and mouse with wheel • Processor: multi-core 2.4 GHz • RAM: 8 GB • Disk storage: 100 GB • Graphics: DirectX9 compatible
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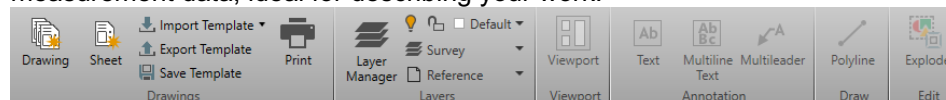
RECOMMENDED HARDWARE	▪ Dual Display: 1920 * 1280 px ▪ Input: keyboard and mouse with wheel ▪ Processor: multi-core 3.5 GHz or more ▪ RAM: 32 GB or more ▪ Disk storage: SSD of 1 TB or more ▪ Graphics: DirectX11 compatible, 8 GB memory or more, CUDA capable
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RECOMMENDED HARDWARE FOR IMAGE PROCESSING, POINT CLOUD REGISTRATION	▪ Dual Display: 1920 * 1280 px ▪ Input: keyboard and mouse with wheel ▪ Processor: 8 Core 3.5 GHz or more ▪ RAM: 64 GB or more ▪ Disk storage: SSD of 2TB or more ▪ Graphics: DirectX11 compatible, 16 GB memory or more, CUDA capable
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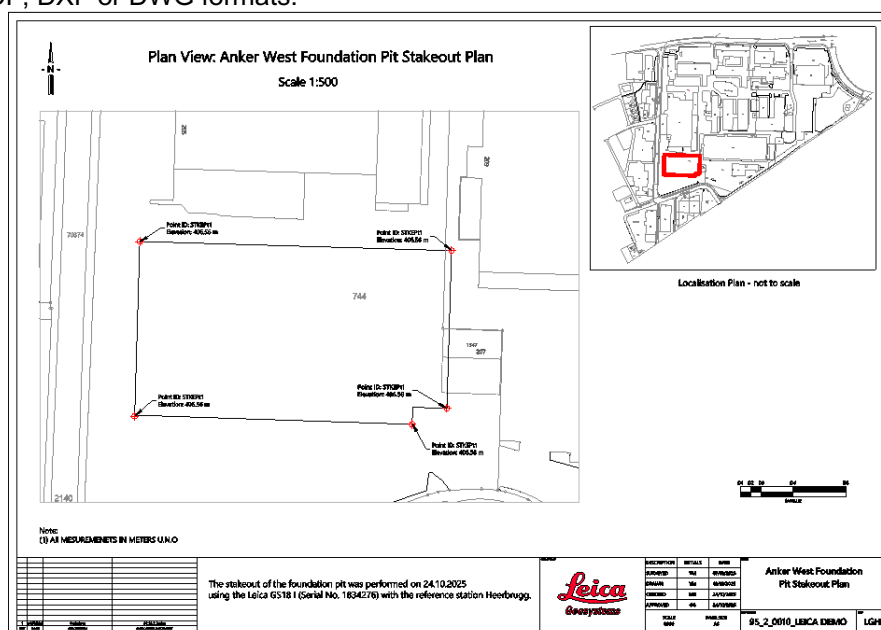
3 NEW: DRAFTING MODULE TO CREATE DRAWINGS TO DESCRIBE PROJECT WORK

DRAFTING MODULE

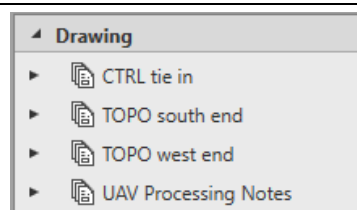
Infinity v5 brings a new level of documentation with the release of the drafting module, included in Infinity Core, designed to create shareable drawings of measurement data, ideal for describing your work.



Create drawings to document field work and office processing, as well as to complement any required surveying deliverables, all of which can be shared in PDF, DXF or DWG formats.

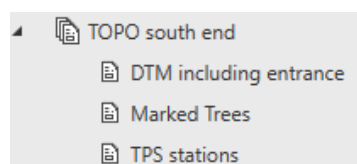


DRAWING



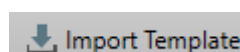
A drawing is a set of sheets in the project that can be given a unique name and help keep order of project work. Create a drawing to group the different work you want to document and even label each sheet with a unique name that specifically gives the contents a title.

Use a drawing to summarise an aspect of the project work, even including a place to write notes that are helpful to recall specific project tasks.



Each drawing, or even each sheet, can be saved to a PDF or DWG, DXF file by selecting it, or when nothing is selected, save the group.

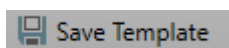
IMPORT TEMPLATES FROM CAD



Infinity makes it easy to get started with drafting by supporting import of CAD templates, layers and styles. Most users already have defined CAD templates that include their company information and formatting. Importing these to Infinity is a quick and easy way to generate professional documentation.

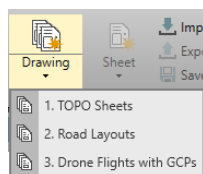
CAD templates can be imported from DWT, DXF, DWG files.

SAVE TEMPLATE



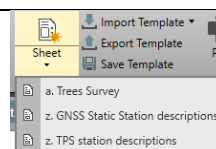
To be most time-efficient, setting up templates helps you to quickly start your work at the right level. Create the base for your sheet, save it as a template, and save a set of sheets as a drawing template. Use the Infinity templates as themes for the different survey work you need to produce documentation for.

DRAWING FROM TEMPLATE



When using a drawing template, easily add a specific drawing to your project. A quick way to document information for a specific deliverable.

SHEET FROM TEMPLATE



When using a sheet template, easily insert a specific sheet into a selected drawing.

POINT ROLE SYMBOLS



Name	Block	Layer
Others	L_02	None
Measured	L_02	None
Reduced	L_17	None
Averaged	L_18	None
Setup	L_24	None
Adjusted	L_27	None
Control	L_34	None

The user can now choose from the list of block symbols and assign a block for each type of point role. This makes it easy when points are displayed and do not have a point code with a block assigned to them. An example is the TPS setup points: now, you can assign a block symbol to better view these points in the project or in a viewport of a drawing.

These block symbols for point roles are part of a code table, so be sure to update your existing code tables.

4 NEW: LEICA TS20 & LEICA CAPTIVATE V10

TS20 SUPPORT



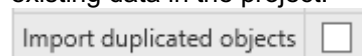
Be ready with the optimal workflow – Use Leica Infinity to prepare everything you need for your TS20 field work. Import design files and feature data for general data prep, create the field jobs with the information and data for the work, assign the coordinate system and feature code table and send to Leica Captivate with GeoCloud Drive and you are ready to go.

CAPTIVATE



With Captivate v10 Infinity, users can benefit from improved data handling, which simplifies quality control and data preparation.

Now, with the additional option in the import window, users can choose to import a complete Captivate field job or only import new data, without reimporting existing data in the project.

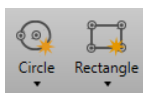


This import option benefits teams working on projects where data preparation starts with Infinity and field teams collect and share data back to the Infinity project for data quality control, data processing and general project updates.

Ensuring that duplicated data is not imported keeps it easy to quality control and process the latest field data.

For daily tasks, working with a single job over multiple days but still wanting to archive each day's work separately, use this setting for importing only what is new to simplify the data management in Infinity.

FEATURES



Import of the additional Captivate options to create

- a circle from the centre point and a user-entered radius
- and a rectangle by two points to set height and width.

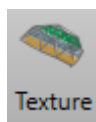
Create these features in Infinity, using the create feature commands.

LINEWORK COMMANDS

Import of new Captivate linework options for jog and extend commands.

5 SURFACES MODULE

TEXTURE SURFACE



Texture Surface now allows two methods to texture a surface, using images or the colour from a point cloud.

Using texture on surfaces helps to better work with the surfaces in Infinity, such as for comparison maps. The texture can also be exported to provide a realistic representation of the surface in CAD applications and be particularly useful in VR or AR applications.



PROJECT LINE TO SURFACE

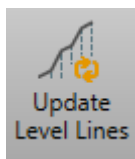
2D or 3D lines projected onto a surface can now also be used to create alignments or other related infrastructure lines or string objects.

IMPROVED SURFACE METHODS

Improvements made to the surface methods refine and regular deliver better results when working with point cloud data with better handling of spikes and more realistic reconstruction on edges.

6 LEVEL PROCESSING – LEVEL LINES WIZARD

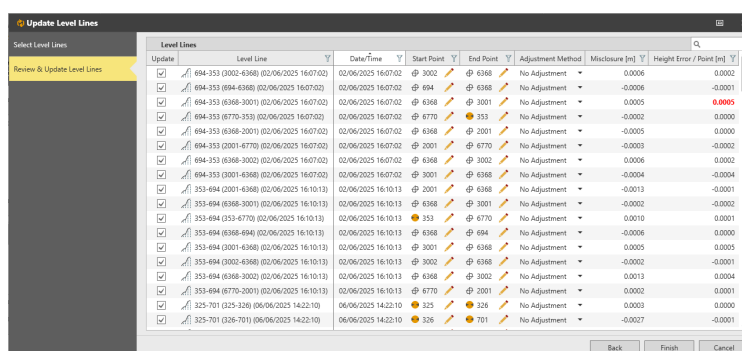
UPDATE LEVEL LINES



Working with large-scale networks consisting of a large number of level lines or measuring the same lines for monitoring heights, it can be time-consuming to import and update each line using existing points in your projects.

A new tool called update level lines will let users update the start and end points for all or the selected level lines in a project. Quickly update the level data to use the highest class point role suggested by default, or manually set the required points.

This allows users to bring level data together easily to combine with the 3D project data.



7 GENERAL APPLICATION IMPROVEMENTS AND FIXES

<i>IMPORT DBX</i>	Improved the time needed to import large Captivate jobs
<i>IMPORT IMAGES</i>	Improved the time needed to import large image data sets
<i>IMPORT GNSS</i>	Fixed an issue when GNSS RTK points measured from a iMAX mount point and the corrections communication is interrupted, it could result in more than one GNSS setup point being created.
<i>IMPORT NGS GVX</i>	Added support for importing the NGS GVX format, that allows users to import vector information from OPUS or other applications.
<i>IMPORT VRS AS PRS</i>	For RTK observations measured using VRS, the observations in the project will now be shown related to a physical reference station (PRS) position. The position is broadcast from the mount point that the user has connected to for reference data. The field book report will include the information indicating the RTK points are from VRS, and the GNSS Observations report will include the VRS reference stations.
<i>IMPORTING FILES FROM FOLDERS</i>	When importing several data types that include many files – such as SHP, RINEX, JPG etc, the folder name from where these files are imported from will be included in the Import Source name.
<i>EXPORT – STAR*NET</i>	Now it is possible to export observations and vectors using the StarNet format, making it easy to share survey data.
<i>EXPORT - CAD</i>	Exporting DXF and DWG now includes the option to include any drawings created in the project.
<i>EXPORT - CAD</i>	Exporting DXF and DWG now includes the option to include the default point role symbols that would be assigned to points if no other blocks were defined.
<i>EXPORT – CAD</i>	Exporting DXF, DWG adds an option to use an annotative scale. When used, this will define several drawing scales to point data, keeping the text for a point scaled

to the drawing and not fixed to a single scale. When zooming in and out in CAD, it makes the point IDs remain visible no matter the zoom level.

<i>EXPORT – CAD</i>	When exporting blocks that use annotative text, the settings are respected when exporting DXF, DWG.
<i>EXPORT – AUTODESK FBK</i>	Export points and lines with feature codes, attributes and linework flags for easy import to AutoCAD Civil3D
<i>IMAGING MODULE</i>	Improvements to dense point cloud: improved fine detail extraction that better represents small or thin objects such as poles, wires and general small objects
<i>IMAGING MODULE</i>	Improvements made in orientation step that reduce time for processing
<i>IMAGING MODULE</i>	Improved creating DSM on sparse point cloud
<i>IMAGING MODULE</i>	Added 3D texture to digital surface model (DSM) that provides a more realistic 3D data object and can be exported for use in other software.
<i>IMAGING MODULE</i>	The average ground sample distance (GSD) is now shown in orientation properties and in the image processing report. Note, for terrestrial acquisitions, the GSD value is not output.
<i>IMAGING MODULE</i>	Fixed single pixel holes in the orthophoto
<i>IMAGING MODULE</i>	Fixed import of orientation values from Autel UAV imaging drones
<i>TPS PROCESSING</i>	Fixed an issue when angular-only observations were not shown correctly in the observations page of the traverse wizard
<i>TPS PROCESSING</i>	Fixed an issue where the closing angle of a traverse closed on the starting setup of a different traverse, the scale would be 1.0
<i>TPS PROCESSING</i>	Fixed an issue where measuring Face 1 only sets of angles, the sets would import and set to disabled.
<i>INFRASTRUCTURE TUNNEL</i>	Fixed an issue for tunnel inspection and profiles set to perpendicular to alignment, the plane of the last three profiles along alignment could be wrong.
<i>COORDINATE SYSTEM MANAGER</i>	Extended support of GK2 geoid files to choose which reference frame to use when writing a GEM file.
<i>COORDINATE SYSTEM MANAGER</i>	Added support to create a GEM file from the .b binary geoid file format.