- when it has to be **right**

Leica Geosystems

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Release Notes

Product	Leica Map360 2022.1
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From	HDS Software Product Management

Map360 Release Notes

www.leica-geosystems.com

What's New in Map360 2022.1

Map360 2022.1 is a service pack release with added functionality and support for COE compatibility.

COE Compatibility

The following Map360 entities are now COE compatible and can be view in Leica TruView:

- Bullet Path Reconstruction Trajectory Lines
- Bloodstain Pattern Analysis entities, such as stain ellipses, trajectory vectors, convergence spheres, and the origin axis.
- 3D Bodyposer
- 2D Bodyposer Outline

3D Models

An additional ninety-five 3D models have been added to the symbol librarian, with makes and models from various regions. A list of included 3D models.

What's Improved

Existing tools have been enhanced and simplified:

- **Point Cloud Engine** has been updated to the latest version 2022.0.1.
- **AutoMap Library** includes a checkbox to save a new AutoMap file as default.
- **Vehicle Specs Database** has been updated to include the latest vehicle specs – 2022.2
- **COE** units default to the drawing units during an import or export.
- **Import Point Cloud as LGS or JS** now displays a message during import.

Important Fixes

Rendering improvements and bug fixes were included in this release. Here is a list of the most critical fixes:

- **Point cloud rendering** at a higher density factor removes gridlines over the point cloud in the viewports
- **BPA Stain Report** impact angles are being reported relative to the surface they are on.
  Please note: No change was made to the trajectory vectors or the area of origin calculation.
- **Geotags** do not get imported when the LGS import is canceled.
- **USB key** updates and changes will take effect right away
- **License Dialog** is no longer skipped when EID license is present with other available licenses that have different product levels.
- **QA Scanner Protocol** is now detecting registered ScanWorlds
- **Point Protection toggle** to "Overwrite all selected points" is honored when importing an EVR project.

Movie Resources

To learn more about the new features in Map360, please refer to our online movies marked "**NEW**" on the following Map360 Movies page.

Known Issues

Several known issues are being addressed. Here is a list of the most common remaining ones with workarounds.

- The slice/section line when clipping a point cloud jumps to zero elevation in predefined orthogonal views.
- The Automap file is not being applied when set from the DBX import dialog and doesn't show the current selection.
- The image quality appears pixelated when printed with transparencies turned ON. Workaround: Print without transparencies. A fix for this is in progress.
- The image quality of large TIF files may appear pixelated with the OpenGL graphics mode. Workaround: switch the graphics mode to OpenGL ES and turn on 2D and 3D Line Smoothing from the Graphics Mode Settings. This is located at the right side of the status bar.
- Custom backgrounds containing images currently don't export to PDF files. There is no workaround.

Experimental Features

- Insert tables, edit them, and assign table styles. Command is TABLE.
- A new command is available that allows a BING map to be streamed to the main drawing area. The command name is GEO. The status bar can display geographic coordinates when the GEO command is used.
- Use a 3Dconnexion mouse to improve control and efficiency while drawing in two or three dimensions.

Compatibility and Upgrades

Map360 2022 SP1 can open drawings created with older versions of Map360. New projects completed with the program are also backward compatible with older versions.

Map360 2022 SP1 installs in a new directory on your computer and will not interfere with previously installed versions.

You must have Administrator-level privileges on your workstation to correctly install the software. Map360 is compatible with 64-bit versions of Microsoft Windows 8/8.1 and Windows 10.

When working with point clouds, you may need additional software installed. Please visit this page to download Cyclone products.

Map360 2022 SP1 requires a compatible video card for the 3D rendering, animation, and point cloud engines. For details on system requirements, please review the following topic.

Licensing

All users with valid CCP, or with CCP valid as of July 19, 2022, can run this new version with no new license required.

To use your existing USB dongle with Map360 2022 SP1, you will need to ensure you have a valid CCP contract and run the USB License Manager to update your key. Please refer to the Online instructions for activating your USB dongle for more details.

Users using USB dongles will see a "nag" screen when they run the program. This screen is a reminder that we are starting a phase-out of USB dongles, and users that had a valid CCP contract at the time of release of Map360 2021 (June 2021) will have received a free EID license. These licenses were issued in July 2021. Please refer to the <u>Online instructions for activating Leica electronic licenses and migrating from USB dongles</u> for more details.

Online Resources

Virtual Training

Learn the fundamentals with hands-on training. We have implemented an online learning system that allows customers using Map360 and Evidence Recorder to access the IMS Course Training Standard in a self-paced, online environment. Visit <u>learn.leicaims.com</u> to access virtual training.

Technical Support

Leica Geosystems provides free self-support to all users via the Leica Incident Mapping Suite Helpdesk. You will find knowledgebase articles, movies, and downloads. The Helpdesk is a good starting point for any problems or questions you have about using the software.

Please visit the Leica Incident Mapping Suite Helpdesk to submit a helpdesk ticket to our technical support staff for technical support. If you do not have internet access, you can phone our office at 1-888-632-8285, and a ticket can be entered for you.