MicroSurvey®

MicroSurvey inCAD 2022
Release Notes

MicroSurvey inCAD 2022 SP1 (v22.1.2) – March 31, 2022

MicroSurvey inCAD 2022 (v22.0.9) – July 8, 2021

4 April 2022

MicroSurvey®

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MicroSurvey inCAD 2022

MicroSurvey brings intuitive calculation tools for land surveyors to popular drafting platforms, including IntelliCAD and AutoCAD®. MicroSurvey inCAD 2022 runs on existing AutoCAD® 2022 installations, including AutoCAD®, AutoCAD Map3D®, and AutoCAD Civil 3D®. AutoCAD 2022 provides drawing sharing and collaboration options, floating drawing panes, a new start page, and a block count utility.

What's New in Version 22.1.2

What's New
- Floating licenses are now supported.
- Floating licenses may be checked out for up to 4 days at a time by clicking "Check out" on the license options dialog.
- MS_ACTIVATE has been replaced by MS_LICENSE, and a new button has been added to the ribbon for licensing access.
- We upgraded our SDK of ZipArchive, which is used to open and close databases. This adds threadsafe functionality and improves database performance.

Bug Fixes
- HOUSE TIE ARROWS - Position was being incorrectly affected by scale factor.
- MANUAL DISTANCE - Command would cause a crash.
- DBX Import - Importing DBX data with attributes into a drawing with existing attributes could cause a crash.
- LANDXML_OUT - Exporting a surface with spaces in the name would export multiple invalid surfaces to the file.

What's New in Version 22.0.9

What's New
- inCAD now runs on the latest AutoCAD®, AutoCAD Map 3D®, and AutoCAD Civil 3D® 2022 installations. Please see the AutoCAD section of this document for more details.
- Attribute filtering has been added directly to the drawing window. Now you can control the visibility of GIS features based on their attributes.
- Set up an all new attribute label set to add custom labels to smart points with GIS attributes.
- We've optimized existing GIS functions so they run faster!

Bug Fixes
- AUTOMAP_EDITOR – Previews of AutoMap entries were not shown when clicked.
- ACTIVE COORDINATE EDITOR – Deleting points, then closing the ACE while point protection was active would crash the program.
- SVOL – Surface volumes were reported incorrectly at high coordinate values.
- ISLOPE – Intersecting a slope from an object to a surface at high coordinate values would not work properly.
- ARC LABELS – Arc labels were incorrect when the arc was trimmed by an AutoMap symbol.
- AUTOMAP – Polyline width was not retained properly.

Important Notes

Subscription License

- MicroSurvey inCAD is now sold only as a subscription license.
- This was done to match the AutoCAD® licensing model to provide the best service for our customers.

To renew or extend your subscription license, you can phone us at 1-800-668-3312 or 1-250-707-0000. Without a current subscription plan, inCAD will cease to function.

MicroSurvey Transfer Program for FieldGenius Users

- MicroSurvey Transfer can be downloaded to simplify the transfer of FieldGenius projects from your data collector to MicroSurvey inCAD.
- This program has not changed since 2013; previous versions must be updated for newer versions of MicroSurvey inCAD.
- Microsoft Windows Mobile Device Center is required to install MicroSurvey Transfer. It may be downloaded here.

MicroSurvey License Portal for Floating License Users

- If you have purchased a floating license, you may visit microsurvey.com/license to review usage statistics on your license.
- After purchase, you will be asked to create a login for the portal.
- Log in to the portal, click "Licenses & Activations", then the desired license to review its details.

System Requirements

- MicroSurvey inCAD 2022 is compatible with 64-bit versions of Windows 8.1 and Windows 10. It is not compatible with any 32-bit operating system. Additional details.
- Full administrator rights are required to install MicroSurvey inCAD 2022, but it can be run by limited user accounts
- For detailed system requirements and recommendations, please review this online article.

Run as Administrator

- You **must** run the program at least once elevated with "Run as administrator" access
- Clicking "Run" from the installation package does this automatically
- If this step is skipped, you may run as administrator by doing the following:

    1. Right click on the MicroSurvey inCAD 2022 icon.
    2. Choose "Run as administrator".
    3. Select "Yes" on the "User Account Control" dialog when prompted to allow the program to make changes to your computer.

- After this step is complete, you may run the program from any user account on the computer, even if they do not have administrative privileges.

Online Resources

- Online release notes
- Known issues
- Tutorials
- Online training courses
- Technical support (1-800-668-3312; free with valid AMS)
- Helpdesk website
- Feature request forum
- Online store

What's New in AutoCAD 2022

What's New

User Interface

- Drag a drawing tab out of the window to make it a floating drawing tab, which can be moved to a separate window, etc.
- The AutoCAD start page has been updated.

Object Count

- Quickly and accurately count the instances of blocks in a drawing with the enhanced COUNT command and dialog.
- Create fields and tables of block counts which are automatically updated when the object count changes.

Performance
- Background publishing and hatch boundary detection now take advantage of multiple processor cores.
- Microsoft's DirectX 12 is now supported for 2D and 3D visual styles.

Sharing
- Use Trace to safely comment and collaborate on a single document.
- Share a link of the current drawing to view or edit in the AutoCAD web app.
- Push to Autodesk Docs allows teams to view digital PDFs in the field for reference.