
SurveyTools[®] for BricsCAD[®] V25

Features and Benefits

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SurveyTools for BricsCAD V25

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SurveyTools for BricsCAD is an all-in-one solution for surveying workflows by MicroSurvey®. The combined solution includes leading technology from MicroSurvey, Bricsys and the trusted industry partner, Leica Geosystems. As Hexagon companies, we work together to enhance day-to-day workflows between our solutions. Land surveyors will benefit from this collaboration by accelerating their productivity with industry-specific tools developed by surveyors for surveyors while benefiting from BricsCAD's AI-driven drafting tools and point cloud workflows.

This release brings an exciting new feature, Survey Groups. Survey Groups can contain the entities imported through a field file import, these include points, lines, polylines, blocks, and labels. When importing a field file through ASCII_IN, Leica DBX in, or the FieldGenius SyncWizard, the imported entities can be added to a new group. This allows you to keep track of which entities in the drawing came from specific field files for future troubleshooting or rotating, translating, or scaling of a single field file. The imported points and labels are sorted into groups through AutoMAP, by each point's description. This can be used to automatically filter data which should be included in a surface into a surface group, or conversely, a DoNotTIN group for entities which should not be included. This allows you to hide that group, and make a selection from the drawing containing only entities which should be included in the surface. The Survey Group Manager (SURVEY_GROUPS command) is used to view and create groups. It allows users to control the visibility of each group and add or remove entities as needed. Additionally, users can apply a filter to the Active Coordinate Editor, ensuring that any points hidden in the Survey Group Manager are also hidden in the Active Coordinate Editor. When the Survey Group Manager is closed, this hiding is disabled and all entities are shown again. This is the first release from MicroSurvey containing Survey Groups, and I think you will find it useful.

What's New

Feature	Benefit
Support for BricsCAD V25.2+	Ensures compatibility with the latest BricsCAD features and improvements, providing users with the most up-to-date tools and functionalities for enhanced performance and stability.
Survey Groups Functionality	Allows users to create and manage groups containing points, lines, polylines, blocks, and labels, directly from field data. This enhances data organization and aids in project management by grouping entities based on the deliverable, by surface inclusion, or on field crew by day.
Survey Group Manager Command	Offers powerful data management capabilities by controlling the visibility of entities in drawings. Users can efficiently sort and manage data into groups, improving organization and workflow efficiency.
Active Coordinate Editor with Survey Group Filtering	Streamline the process of exporting specific datasets such as control or surface groups and quickly identify points whose descriptions are not defined by your AutoMAP.
AutoMAP "Add to Survey Groups" Field	Automates the sorting of data into relevant groups during import through the ASCII_IN, Leica DBX in, and FieldGenius SyncWizard, reducing any manual sorting time and ensuring accurate data categorization for surface creation and analysis.

Miscoded Group for Undefined Descriptions	Provides an easy way to identify and address points that require additional attention, ensuring data integrity and accuracy.
Enhanced Importers for Survey Groups	Offers flexibility in data import through ASCII_IN, Leica DBX in, and FieldGenius SyncWizard by allowing the imports to be placed into new or existing survey groups, facilitating seamless integration of field data into projects and allowing future isolation of those imports.
Virtual Machine Installation	Expands deployment options, enabling users to install SurveyTools on virtual machines for greater flexibility in IT infrastructure management.
Curve Label Styles	Provides more customization options for curve labels, allowing for an increased level of standardization and consistency.

What's Improved

Feature	Benefit
Improved Licensing Dialog for Network Licenses	Enhances user experience by clearly indicating unavailable options when a license is checked out for offline use, reducing confusion and potential errors.
Bearing and Distance label style indexes increased from 5 to 10.	Adds flexibility in design choices for annotations, allowing for an increased level of standardization and consistency.
Clearing Previous Installation Directory Search Paths	Prevents unintended file loading by clearing outdated search paths, ensuring users work with the correct files and configurations.