Survey Tools for BricsCAD

A Virtual Webinar Using MicroSurvey and BricsCAD – Learn to Manage Survey Data

This webinar introduces MicroSurvey's *Survey Tools for BricsCAD*, a plugin designed to enhance BricsCAD with advanced survey data management, linework automation and surface modeling capabilities. Presenter Matt McLean demonstrates how to import survey data, manage points, create surfaces and export results to Google Earth.

Key Topics:

- Overview of MicroSurvey's Survey Tools plugin for BricsCAD
- Importing survey data (ASCII, FieldGenius, Leica DBX, etc.)
- Managing survey points
- Linework automation
- Creating surfaces and visualizations within BricsCAD
- Exporting results to Google Earth

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by Matt McLean on 07/10/2025.

MicroSurvey Surfacing Operations with MSCAD

A Virtual Webinar Using MicroSurvey – Learn to Create Terrain Models

This webinar, hosted by That CAD Girl and presented by MicroSurvey's Matt McLean, provides a detailed walkthrough of surfacing and contouring operations in MicroSurvey CAD. Attendees learned how to create, configure and visualize surfaces, contours and terrain models using real-world data.

Key Topics:

- Introduction to MicroSurvey CAD and product ecosystem
- Creating and managing surfaces and contours
- Configuration settings for modeling and visualization
- Handling boundaries, breaklines and point data
- Labeling and smoothing contours

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This session was presented by Matt McLean on 05/22/2025.

MicroSurvey STARNET Least

Squares Analysis

A Virtual Webinar Using MicroSurvey STAR*NET – Learn to Perform Least Squares Analysis

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides a comprehensive walkthrough of STAR*NET analysis – a leading least squares adjustment software for survey data. The session covers data import, adjustment workflows, error detection and integration of GPS and conventional survey data for accurate network analysis.

Key Topics:

- Overview of MicroSurvey's product suite
- Introduction to STAR*NET least squares adjustment
- Data import and conversion workflows
- Error detection, residual analysis and Chi-square testing
- Integration of GPS and conventional survey data
- Output options and reporting tools

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This session was presented by James Johnston on 04/15/2025.

Construction Workflows Drawing Cleanup and Point Population Tools

A Virtual Webinar Using MicroSurvey – Learn to Streamline Construction Workflows

This webinar, hosted by That CAD Girl and presented by MicroSurvey Software’s James Johnston, explored efficient construction workflows using MicroSurvey CAD tools. The session demonstrated drawing cleanup, point population and export techniques to streamline field layout and stakeout processes.

Key Topics:

- Drawing cleanup tools in MicroSurvey CAD
- Rescale wizards
- Point population tools
- Point management
- Exporting CAD and point data for field stakeout

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This session was presented by James Johnston on 06/19/2025.

MicroSurvey AutoMap Field to Finish

A Virtual Webinar Using MicroSurvey – Learn to Automate Survey Data Processing

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides an in-depth walkthrough of AutoMap—MicroSurvey's field-to-finish system. It demonstrates how AutoMap automates CAD standards, linework generation and symbol management to streamline survey data processing from field collection to final drawings.

Key Topics:

- Overview of MicroSurvey's product portfolio and CAD integrations
- AutoMap setup and configuration for field-to-finish workflows
- Field data import methods (FieldGenius, Captivate, ASCII, etc.)
- Customizing symbols, layers and plotted descriptions
- Managing 2D/3D linework and smart line connectivity

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This session was presented by James Johnston on 05/27/2025.

Fast Track to CAD, MicroSurvey & Carlson:
Session #3-2 Getting Started in Carlson

A Virtual Classroom Using Carlson Software – Learn Points, Templates and Coordinate Setup

Learn how to create and customize Carlson drawing templates, manage coordinate and point files and streamline your CAD workflow. This session covers practical steps for building standards, importing survey data and preparing for field-to-finish automation.

Key Topics:

- Carlson DWT template creation and customization
- Layer, line type and text style management with IntelliCAD Explorer
- Importing and editing CRD (coordinate) and point files
- Point groups and description-based organization
- Coordinate systems and real-world datum setup
- Field-to-Finish introduction and automation overview

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This session was presented by Jennifer DiBona on 09/18/2025.

Fast Track to CAD, MicroSurvey & Carlson:
Session #2-3 Fast Track to MicroSurvey

A Virtual Classroom Using MicroSurvey CAD – Learn Digital Terrain Model Workflows

This MicroSurvey CAD training session covers advanced workflows for survey and civil design professionals, focusing on point management, CAD settings, DTM surface creation, contour generation and volumetric analysis. The session also includes troubleshooting tips, boundary setup and an introduction to automated site design tools.

Key Topics:

- CAD settings and PD Mode troubleshooting
- Point Cluster Reports and Point Patterns
- DTM surface creation and editing
- Contour generation, labeling and smoothing
- Volumetric (cut/fill) calculations
- Auto Site Design and building pad modeling

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This session was presented by James Johnston on 09/17/2025.

Fast Track to CAD, MicroSurvey & Carlson:
Session #2-2 Fast Track to MicroSurvey

A Virtual Classroom Using MicroSurvey CAD – Learn Construction Point and Stakeout Workflows

This FastTrack MicroSurvey training session, led by James Johnston, provided a detailed walkthrough of construction workflows in MicroSurvey CAD. Participants learned how to clean up architectural drawings, generate staking points, manage grid lines and export data efficiently for field use.

Key Topics:

- Drawing cleanup and rescaling workflows
- House placement and lot definition tools
- Grid line and point population automation
- Point pattern, cluster and QA tools
- Exporting data for field staking and reporting

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This session was presented by James Johnston on 09/17/2025.

Fast Track to CAD, MicroSurvey & Carlson:
Session #2-1 Fast Track to MicroSurvey

A Virtual Classroom Using MicroSurvey CAD – Learn Survey Project Setup and Point Workflows

This virtual classroom session introduces MicroSurvey CAD’s field-to-finish workflows, focusing on AutoMap configuration, point and linework customization and data import from FieldGenius and Leica Captivate. Instructor James Johnston demonstrates practical setup, symbol scaling, substitution codes and project management features for survey and construction professionals.

Key Topicss:

- AutoMap field-to-finish setup and customization
- Importing and managing survey data (FieldGenius, Captivate, ASCII)

- Symbol scaling, substitution codes and linework generation
- Project management, coordinate editor and survey groups
- Overview of MicroSurvey product family and online learning resources

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This session was presented by James Johnston on 09/17/2025.

An Overview of Enhanced Productivity with MicroSurvey CAD

A Virtual Webinar Using MicroSurvey CAD – Learn to Improve Boundary and Cadastral Workflows

This webinar introduces MicroSurvey CAD Field to Finish, a survey-focused drafting solution designed to streamline boundary and cadastral workflows. James Johnston demonstrates setup, configuration and advanced COGO tools that improve efficiency and accuracy for surveyors transitioning from general CAD platforms.

Key Topics:

- Introduction to MicroSurvey and its product ecosystem

- Configuring MicroSurvey CAD for boundary and cadastral work
- Overview of COGO tools, labeling and lot closure features
- Smart labels that update when geometry changes
- Closing lots and producing boundary deliverables

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This session was presented by James Johnston on 03/25/2025.