

A photograph of two surveying stations in a grassy field. One station is on a yellow tripod, and the other is on a red and white pole. The background shows a line of trees under a blue sky with light clouds.

AutoCAD/BricsCAD Survey

Fundamentals

Course Description

Stringer Topo gives you the ability to reduce Raw Survey Data into AutoCAD/BricsCAD, have the strings strung with polylines (2D & 3D) from the field codes and have them automatically added to the surface as break lines. It also has many more powerful tools to edit your strings for a complete Survey all in the one package.

Course Duration:	1 Day
Delivery:	Instructor led - maximum of 6 participants
Course Times:	9:00 am - 5:00 pm
Software Used:	AutoCAD/BricsCAD, Stringer Topo
Registration:	<u>Register your interest here!</u>

Prerequisites

Prior to attending this course you should have some AutoCAD skills and some survey knowledge.

Upon completion you will be issued with a **Civil Survey Solutions Certificate of Training.**



Course Objectives

- **Navigate within AutoCAD/BricsCAD design environment and control the display of data**
- **Create and edit SDB files (Stringer Settings)**
- **Create and edit AutoCAD/BricsCAD surfaces, including managing displays**
- **Reduce a raw file from the total station**
- **Edit raw file observations**
- **Add Control Files to your Field Reduction**
- **Add data to AutoCAD/BricsCAD**



Topics Covered

- Interface and display controls
- AutoCAD/BricsCAD points
- Surface modelling and analysis
- Editing raw files
- Converting raw survey data into a Point-Coordinate file
- Adding data into AutoCAD/BricsCAD
- Traverse adjustments (Bowditch)
- Adding adjusted files from a CSV file or AutoCAD/BricsCAD to the reduction
- Editing the survey data
- Adding and deleting survey data
- Setting up Stringer SDB Files (Stringer Settings - overview)
- Importing points and building a surface
- Points groups - includes/excludes (for surface creation)
- Point styles and point label styles - overview
- Creating surfaces - overview
- 2D Layer control (final plan preparation)
- 3D Layer control (for creation of the breaklines / one layer)
- Joining all codes from the field and adding them automatically to the surface
- Stringer editing tools
- Breakline location tools
- Automatic surface updates from edited filed codes
- Inserting aerial photographs