

## VISUALIZING GEOTECHNICAL DATA IN AUTODESK AUTOCAD CIVIL 3D

<b>Credits:</b>	Valid for 8 AIA hours/LUs
<b>Prerequisite:</b>	Working knowledge of a Windows OS, familiarity with Site Investigation process and basic knowledge of AutoCAD
<b>Available Times:</b>	1 days, 9:00am-5:00pm; 2 mornings, 9:00am-1:00pm;

### OBJECTIVE

This one-day hands-on course includes training on the production of site plans, engineering profiles, 3D Boreholes and geological models using the **Autodesk Geotechnical Module or the Keynetix HoleBASE SI Extension for AutoCAD Civil 3D**.

### TOPICS INCLUDE

**INTRO TO AUTOCAD CIVIL 3D** This portion of the class will give attendees an overview of AutoCAD Civil 3D functionality.

**IMPORTING DATA** Students will gain the knowledge on how to manage and import borehole data.

**INTRO TO HOLEBASE SI** This section will give attendees an overview of the extension and module functionality.

**MANAGING BOREHOLES DATA** Students will discover how to create, style and manage boreholes data.

**CREATING STRATA SURFACES** In this portion, attendees will learn how to create, style and manage strata surfaces.

**GENERATING DYNAMIC GEOTECHNICAL PROFILES** This section will focus on how to create dynamic geotechnical profiles with borehole logs.

**MANAGE XYZ POINT GROUPS** Students will explore how to visualize downhole data with XYZ Point Groups and Surfaces.

**GEOLOGY MODELING** This section of the class will go over the fundamentals of modelling geology in AutoCAD Civil 3D, which includes:

- Using feature lines as break lines in geotechnical surfaces
- Using break lines to model a fault
- Using break lines to model Lenses

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