



## Unit C Civil 3D – Subassembly Composer

1 Day Course

### Who Should Attend?

This course has been devised for engineers who have a good working knowledge of AutoCAD Civil 3D and wish to expand their library of subassemblies for use in advanced corridor design. The course will demonstrate, through worked examples, how to create and maintain a bespoke set of subassemblies.

Attendees must have a good working knowledge of AutoCAD Civil 3D and preferably have attended an AutoCAD Civil 3D Essentials training course.

### Objectives

During this course delegates will learn how to create bespoke 3D objects for use in AutoCAD Civil 3D using Sub Assembly Composer.

### Agenda

**Note:** We normally train on the latest version.

During the course delegates will cover:

#### Agenda Topics:

##### 1. Introduction to the Subassembly Composer Environment

- Toolbox
- Flowchart
- Properties
- Preview
- Packet Settings
- Input/Output Parameters
- Target Parameter
- Superelevation
- Event Viewer

##### 2. Creating Subassembly Geometry

- Locating Points
- Creating links between points
- Creating subassembly shapes

##### 3. Using Advanced Geometry Tools

- Intersection Points
- Curves
- Surface Links
- Daylight Rounding
- Get Mark Points
- Fillet Arcs
- Offset Geometry

##### 4. Using Auxiliary Geometry

- Auxiliary Points
- Auxiliary Links
- Auxiliary Surface Links
- Auxiliary Intersections
- Auxiliary Mark Points

*(Agenda continued on next page)*

## Agenda Topics:

### 5. Controlling the Workflow

- Flowcharts
- Sequences
- Decisions
- Switches

### 6. Using Codes for Corridor Code Sets

- Point Codes
- Link Codes
- Shape Codes
- Miscellaneous

### 7. Miscellaneous Option

- Set Output Parameters
- Define Variables
- Set Variable Values
- Set Mark Points
- Report Message

*The above may be varied to suit client's preferences and requirements.*

## Qualifications

On completion of the course you will be presented with an Autodesk Authorised Training Certificate.

### Customer Testimonial

**"The trainer was excellent and he was able to tailor the instruction to suit all of the attendees needs. He answered all of our questions whilst still keeping to the course syllabus. All in all a very good course."**

*Tony Gunter, Highways and Transportation Officer at Stockport Council*



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