by DANIEL HESELWOOD

version 1.2

date OCTOBER 2014

approved ND

EVOLVE TECHCON LTD
HAYESFIELD • PIONEER AVENUE
BATH • BA2 5QX • UK
ADMIN@EVOLVE-CONSULTANCY.COM
WWW.EVOLVE-CONSULTANCY.COM

TRAINING SYLLABUS

AUTOCAD 3D BASIC

no. of delegates: Up to 6 maximum

description: Creating 3D models helps users better visualise and present designs that are created with cad. This course introduces students to the fundamental concepts and workflows for creating 3D models with AutoCAD. Students explore how to create and modify both solid and surface models as well as how to output 3D models from the cad system to either paper or a distributable, electronic version.

prerequisites: The student should be proficient working with 2D objects in AutoCAD and have a need to create 3D models of their designs

objectives: The following product areas are covered during this course:

1.0 VIEW CONTROLS
- The interface
- Navigating a 3D model
- The mouse

2.0 ACCURATE DRAWING IN 3D
- Object snaps & tracking
- Using coordinates and the UCS

3.0 3D MODELLING
- Principles and approaches
- Working with X-Refs

4.0 SOLIDS
- Creating solid primitives
- Composite solids
- Editing solids

5.0 SURFACES
- Creating and modifying surfaces
- Meshes

6.0 CREATING DRAWINGS
- Extracting geometry from solid models
- Section Planes
- Working with Layouts

7.0 DATA EXCHANGE
- 3D PDF
- 3D DWF/DWFx