

by DANIEL HESELWOOD

version 3.0

date MARCH 2021

approved ND

EVOLVE TECHCON LTD
HAYESFIELD • PIONEER AVENUE
BATH • BA2 5QX • UK

ADMIN@EVOLVE-CONSULTANCY.COM

WWW.EVOLVE-CONSULTANCY.COM

TRAINING SYLLABUS

PRACTICAL STRUCTURAL MODELLING WITH OPENBUILDINGS DESIGNER

no. of delegates Up to 6 maximum.

description Creating 3d models using OpenBuildings Designer can help improve the production of documentation as well as integrate the structural design process. This course introduces attendees to the fundamental concepts and workflows for using OpenBuildings Designer as a BIM modelling package as well as how to output 2D documents to either paper or a distributable, electronic version.

prerequisites The attendees should be proficient working with 2D elements and AccuDraw.

objectives The following product areas are covered during this course, although a fully customised course can be developed based on your needs:

1. GETTING STARTED IN 3D
 - Introduction to 3D
 - View controls
 - AccuDraw in 3D
2. THE INTERFACE
 - The ribbon
 - Disciplines
 - The mouse
3. SETTING UP THE PROJECT
 - Coordinate space
 - Grids
 - Floor Manager and ACSs
 - Files and references
4. 3D MODELLING
 - Creating Walls, Beams, Columns and Slabs
 - Foundations
 - Stairs
 - Editing and modifying objects
5. CREATING DRAWINGS
 - Defining Dynamic Views
 - Using Drawing Models
 - Structural rules
 - Setting up a sheet
 - Adding annotation and detail
6. SCHEDULES
 - Structural Quantification
 - DataGroups and the DataGroup Explorer
 - Working with Excel
7. ADDING PROJECT CONTENT
 - Creating project Catalogs
 - Families and Parts
 - Column/beam schedules
8. EXCHANGING DATA
 - Open BIM & IFC
 - Working with Revit
 - i-models