

evolveconsultancy

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version 2.0

date FEBRUARY 2019

approved ND

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TRAINING SYLLABUS

PRACTICAL MODELLING WITH REVIT STRUCTURES

no. of delegates Up to 6 maximum.

description This course covers the workflow principles and skills required for a user to produce models and documentation using Revit as part of a project team.

prerequisites The attendees should have an understanding of 3D space & BIM and a basic grasp of structural concepts.

objectives The user will gain practical hands on knowledge of Revit though:

1. GETTING STARTED IN 3D
 - Introduction to 3D
 - View navigation
 - Creating sheets
 - Editing sheets
 - Adding annotation
2. THE INTERFACE
 - The ribbon bar
 - Properties
 - Keyboard and mouse
 - Printing
3. SETTING UP THE PROJECT
 - Coordinate space
 - Grids
 - Levels and views
 - Worksets
4. 3D MODELLING
 - Placing walls, columns, slabs, beams, trusses, foundations and bracings
 - Modifying elements
5. CREATING DRAWINGS
6. SCHEDULES
 - Creating and editing
 - Parameters and calculations
7. DEVELOPING PROJECT CONTENT
 - In-place Families
 - Walls and slabs
 - 2D and 3D Families
 - Parameters
8. EXCHANGING DATA
 - IFC & DWG
 - Using Revit models for analysis