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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:

#### 1.0 GETTING STARTED IN 3D

- Introduction to 3D
- View navigation

#### 2.0 THE INTERFACE

- The ribbon bar
- Properties
- Keyboard and mouse

#### 3.0 SETTING UP THE PROJECT

- Coordinate space
- Grids
- Levels and views
- Worksets

#### 4.0 3D MODELLING

- Placing walls, columns, slabs, beams, trusses, foundations and bracings
- Modifying elements

#### 5.0 CREATING DRAWINGS

- Creating sheets
- Editing sheets
- Adding annotation
- Printing

#### 6.0 SCHEDULES

- Creating and editing
- Parameters and calculations

#### 7.0 DEVELOPING PROJECT CONTENT

- In-place Families
- Walls and slabs
- 2D and 3D Families
- Parameters

#### 8.0 EXCHANGING DATA

- IFC & DWG
- Using Revit models for analysis