

Revit MEP Fundamentals

Course Description

Autodesk Revit, the leading Building Information Modelling (BIM) tool used to design, document, visualise, collaborate and simulate projects, for Building Services Engineers.

Revit's BIM capability is used to streamline the design and analysis process and improve collaboration among project teams.

You will learn how to draw, and modify Mechanical, Electrical and Plumbing Elements in 3D using the toolsets.

We will also explore the ability to extract information from the Building Information Model to create schedules and basic take-offs. Sheet publication will be covered in detail to ensure you can take your 3D models and use them to develop 2D published sheets or drawings.



Prerequisites

Ideally suited for users who are transitioning from 2D CAD, or completely new CAD users. An understanding of Building Services terminology is recommended, as well as familiarity of Microsoft Windows 7 or later. Previous CAD knowledge would benefit, but is not essential.

BIM Modeller



Topics Include

- ❑ Introducing Revit as a BIM tool
- ❑ UI Tour, Project Navigation and View Creation
- ❑ Element Selection and Manipulation
- ❑ Visibility Control and Categorisation
- ❑ Model Development Methodology
- ❑ Establishing a Project
- ❑ Introduction to Building Elements
- ❑ Equipment, Fixtures and Fittings
- ❑ Introducing Systems
- ❑ Basic Schedules and Legends
- ❑ Geometry Formation and In-Place Families
- ❑ Mechanical Systems
- ❑ Electrical Systems and Circuits
- ❑ Plumbing Systems
- ❑ Spaces, Zones, Area and Volumes
- ❑ 2D Draughting and Annotation
- ❑ Sheet Compilation and Publication
- ❑ Basic Subdivision and Collaboration
- ❑ Introduction to the Principles of Family Editing

Course Duration: 3 Days

Next Step: BIM Management or BIM Coordination