

Revit MEP Fundamentals - Virtual Training

Autodesk Revit is 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'll learn how to draw and modify Mechanical, Electrical and Plumbing elements in 3D using the toolsets. We will show you how to extract information from the Building Information Model to create schedules and basic take-offs. Sheet publication is covered in detail to ensure you can take your 3D models and use them to develop 2D published sheets or drawings.

Course Modules

- *Introduction to BIM*
- *Introduction to Autodesk Revit*
- *Basic Sketching Tools*
- *Basic Modify Tools*
- *Starting Systems Projects*
- *Working with Views*
- *Setting up Spaces*
- *Heating and Cooling Loads Analysis*
- *Basic System Tools*
- *HVAC Networks*
- *Plumbing Networks*
- *Electrical Systems*
- *Creating Construction Documents*
- *Annotating Construction Documents*
- *Adding Tags and Schedules*

Prerequisites

An understanding of MEP terminology is recommended. Previous CAD knowledge would be beneficial but is not essential.

A connection to our Virtual Training Room, using a Microsoft Windows based PC with a stable Internet connection with a minimum 2-4mb/s download speed.

Course Duration and Running Times

This three day course is scheduled to run one day a week for three weeks. Each day will follow a similar format and is split into four training sessions. A typical day will look like this, although the times may vary depending on the course and delegates.

- 09:00 - Introductions or Recap, Hardware and Session Overview
- 09:30 - Course Module
- 11:00 - Break
- 11:30 - Course Module
- 13:00 - Lunch Break
- 14:00 - Course Module
- 15:30 - Break
- 16:00 - Course Module
- 17:30 - Close

Next Steps

BIM and Digital Construction Fundamentals