

AutoCAD® MEP Complete Guide

AutoCAD® MEP software helps you draft, design, and document building systems. Create more accurate designs within a familiar AutoCAD-based environment. Increase productivity and reduce errors with automated drafting tasks, manufacturers' parts, and interference detection. Support mechanical, electrical, and plumbing (MEP) systems throughout the building lifecycle with reliable DWG™ files.

AutoCAD® MEP Complete Guide is designed to give you a solid understanding of AutoCAD® MEP features and capabilities - from the basics through to advanced and complex building systems. You will learn to create accurate drafts, designs and documents from within a familiar AutoCAD-based environment. AutoCAD® MEP enables

the support of mechanical, electrical, and plumbing (MEP) systems throughout the building lifecycle. Every course is designed to use all learning styles from text, audio, video, interactivity, quizzes and practical "Let Me Try" examples.

To get the most out of this course, we strongly recommend you review every topic within the course and take advantage of the different tools and activities to help to ensure you retain the important information within. We also encourage you to take all the progress tests to ensure you have retained the knowledge, and most importantly practice with the hundreds of real-world, Let Me Try examples.

User's prerequisites

You don't need any previous experience with AutoCAD® MEP to take this course.

Course Outline

Introduction to AutoCAD MEP

- Introduction to AutoCAD MEP
- AutoCAD MEP User Interface
- Getting Started
- Saving Files
- Opening Files
- Finding and Using AutoCAD MEP Help

Getting Started with AutoCAD MEP

- Starting a Project
- Expanded Views on Projects
- Spaces in AutoCAD MEP
- Editing in AutoCAD MEP
- Workspaces and Settings

Working with Architecture Workspace

- Walls and Wall Settings
- Creating Doors and Using Door Settings
- Creating Windows and Window Settings
- Creating Roofs and Using Roof Settings
- Creating Stairs and Using Stair Settings
- Grids, Beams, Columns, and Braces and Editing in a File
- Creating and Editing Primitives

Creating the HVAC System

- Air Handling Equipment
- Creating and Editing Ducts
- Creating and Editing Duct Fittings

Creating and Editing Piping Systems

- Creating Piping Systems
- Laying and Editing Pipes
- Creating and Editing Pipe Fittings

Creating Plumbing System

- Plumbing Fixtures and Equipment
- Plumbing Lines and Fixtures Properties

Creating Electrical System Layout

- Creating and Editing Panels and Devices
- Creating and Editing Wire and Conduits
- Creating and Editing Circuits

Representation and Schedules

- Creating and Editing Views
- Creating and Editing Schedules
- Managing Cell Information

Schematics

- Working with Schematics

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