



## AutoCAD P&ID

Autodesk AutoCAD P&ID piping design software empowers users to create, modify and manage piping and instrumentation diagrams. With simple reporting, editing, sharing, and validation of piping and instrumentation design information, projects start more easily and finish sooner.

**AutoCAD P&ID 2016 Complete Guide** is designed to give you a solid understanding of AutoCAD P&ID 2016 features and capabilities. Every course is designed to use all learning styles from text, audio, video, interactivity, quizzes and practical “Let Me Try” examples. You’ll follow a workflow-based approach that mirrors the development of projects in the real world, learning the AutoCAD P&ID interface, Managing the Project Files, working with data across multiple drawings, analyzing the Data, and editing a drawing and sharing it with multiple users.

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 valuable 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® P&ID to take this course.

### **Course Outline**

#### **AutoCAD P&ID User Interface**

- AutoCAD P&ID User Interface
- Grips
- Tool Palettes
- Workspaces
- Properties
- The Project Manager

- Opening Drawings
- Data Manager
- Creating New Drawings
- Grouping Project Files
- Renaming and Removing Files & Folders
- Batch Publish
- XREF’s and Projects
- Updating Drawings Edited Outside the Project

- Designing a P&ID

#### **Project and File Management**

- Creating New Projects - General Settings
- Server Based Databases
- Project DWG Settings
- Project & Drawing Properties
- Auto File Naming
- Status Notes & Work History
- Titleblocks and Fields



- Tagging Formats
- Validating Drawings & the Project
- Drawing Checker
- Annotations Styles
- Project Maintenance

### **Working with P&ID Components**

- Inserting Equipment
- Nozzles
- Inserting Instruments & Inline Components
- Adding Project Data to a Drawing
- Working with P&ID Components

- Adding Non-Engineering Items
- Tagging Components
- Editing P&ID Components
- P&ID Symbol Settings
- Converting AutoCAD Blocks to P&ID Symbols
- Building P&ID Symbols

### **Lines**

- Understanding P&ID Lines
- Connecting Components, Attachment Points, & End Connections
- Grouping Lines
- Working with Lines
- Tagging Lines

- Annotating Components and Lines
- Line Settings & Behaviors

### **Managing Data**

- Exporting P&ID Drawing to AutoCAD
- Working with the Data Manager
- Data Manager: Objects and Properties
- Data Manager: Placing Annotations
- Data Manager: Importing & Exporting Data
- Reports
- Report Creator

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