

# AutoCAD® P&ID Complete Guide

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 Complete Guide** is specifically aimed at experienced software users looking for advanced skills instruction and introductions to more specialized software. Our on-screen instructors walk you through the processes step by step, allowing you to follow along hands-on if you wish; quickly and easily picking up the new skills you need.

## 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 Configuration

- 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
- Configuring Projects for Vault
- 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
- Off Page Connectors (OPC)
- 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 & Behaviours

### 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
- Configuring Reports
- Report Creator

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