

AutoCAD P&ID 2010 Advanced

Duration:

1 Day

Many of the advanced features of AutoCAD® P&ID 2010 are covered in this guide. Learn how to customize symbols, tagging schemes, annotations, and project settings, and how to customize the AutoCAD P&ID drafting environment.

Course Objectives:

This class is intended primarily for CAD Managers, and other advanced users who need to work with advanced design tools, create project settings and symbols, or customize styles and settings in the AutoCAD P&ID environment.

After completing this class, users will be able to:

- Understand the AutoCAD P&ID environment.
- Use advanced symbol and annotation functionalities.
- Create symbols, annotations, and tagging schemes.
- Use customized reports to generate information.
- Define multiple views in the data manager.
- Create styles for AutoCAD P&ID objects and lines.
- Customize layer properties and the display system.

Prerequisites:

This class is designed for experienced users of AutoCAD P&ID.

AutoCAD P&ID Advanced Course Outline:

AutoCAD P&ID Reference Project

- How AutoCAD P&ID works
- Symbols and Annotations
- Starting a New Project
- Project Details
- General Properties
- General and Drawing Paths
- Custom Properties
- Tool Palette Group Association
- Interactive Zoom Factor
- P&ID DWG Settings – Line Settings

Symbol Creation

- Dynamic Blocks - The Basics
- Make a Dynamic Block
- AutoCAD P&ID Objects – End Connections

Creating AutoCAD P&ID Symbols

- Symbol Types
- Project Symbol Style Drawing (PSS.DWG)
- Classes – Tree Structure
- Classes – Properties
- Classes – Custom Classes
- Equipment Symbols (Endline)
- Equipment Symbols (Inline)
- Line Styles
- Default Line Settings
- MultiLine LineStyles
- Adding a Multiline Style to the Project
- Flow Arrows and Gap Symbols
- Inline Symbols – Inline Assets
- Inline Symbols – Special Functionality
- Inline Symbols – Normally Property
- Inline Symbols – Segment Breaker
- Control Valve Symbol

Tag Styles

- Creating Tags
- Creating New Properties
- Tag Format
- Tag Format – Pipe Line Tag
- Tag Format – Annotation
- Tag Format – Auto Generate Numbering
- Acquisition of Property Values

Instrumentation

- Instrumentation – The Basics
- Instrumentation Symbols
- Inline Instrument Symbols

Annotations

- Default Annotations
- Annotation – Inline Objects
- Reducers
- Segment Breaker
- Non-Engineering Annotations
- Off Page Connector

Custom Reports

- Changing Existing Reports
- Creating Custom Reports
- Modifying the Data Manager View
- Import & Export Settings

Tool Palettes

- Workspaces
- AutoCAD P&ID Tool Palettes
- Tool Palette Options
- Creating a Tool Palette
- Tool Palette Groups