

Course Title: AutoCAD P & ID Administrator

Course Code: APID-2

Duration: 1 Day

Courseware Description

Many of the advanced features of AutoCAD® P&ID 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.

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.

Who Should Attend

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

Prerequisites

Students should have completed the [AutoCAD P & ID Introduction \(APID-1\)](#) course or have equivalent experience using AutoCAD P & ID.

Course Outline

Reference Project

- Symbols and Annotations
- Creating a Reference Project
- Handling the AutoCAD P&ID Project Settings
- Adding Custom Drawing and Project Properties

Creating Custom Symbols

- Dynamic Blocks, the Basics
- Converting Existing AutoCAD Blocks
- Creating Symbols on Project Level
- Equipment Symbols
- Inline Component Symbols
- Inline Instrument Symbols
- Control Valves

Non Engineering Symbols

- Flow Arrow
- Gap
- Drains
- Off Page Connectors

Annotations

- Default Annotations
- Equipment Tags and Info Labels
- Valves, Reducers and Segment Breakers
- Drains and Off Page Connector

Instrumentation

- Introduction
- Inline and General Instrument Symbols
- Instrument Annotations
- Wipe Out Frames

Styles for Tagging Schemes

- Creating Tags
- Tag Format
- Auto Generated Numbering
- Acquisition

Custom Reports

- Changing Existing Reports
- Creating Custom Reports

- Custom Data Manager View
- Property Mapping

Creating Line Styles

- Default Line Settings
- Symbol Properties
- General Style Properties
- Simple, Advanced and Complex Line Styles
- Multiline Styles

Tool Palettes

- Customize Tool Palettes
- Tool Palette Groups
- Tool Palettes for Multiple Users
- Project Specific Tool Palettes

AutoCAD P&ID Template

- Creating a Template
- Layer, Text, Line Style and Color Settings
- Page Setups
- Title Block and Drawing Border