

# AutoCAD P&ID Admin Training

## 2-day class

During this two-day course you will learn how to create symbols, tag formats, custom properties and annotations; and using P&ID intelligence create your own reports and learn other various ways to customize the way you export information. You will be able to setup AutoCAD P&ID projects and expand existing libraries for proposals and Piping and Instrumentation drawings. You will be comfortable creating numerous customized reports regarding equipment, lines, instrumentations, valves and other.

### P&ID Project Setup

- How ACAD P&ID Works
- General Settings
  - Project Details
  - Database Setup
  - Drawing Properties
  - Reports
  - File Name Format
- P&ID DWG Settings
  - Create End Connections
  - Project Line Settings
  - Project Paths

### P&ID Class Definitions

- Identify Engineering Items
  - Classes / Subclasses – *Tree Structure*
  - Equipment, Inline Assets, Instrumentation, Lines, Nozzles
  - Symbol / Join Types
  - Project Symbol Style Drawing
  - Class Properties
- Understand Non-Engineering Items
  - Actuators, Connectors, Line Breakers

### Project Level Symbol Creation

- Create New Classes / Subclasses
  - Create Equipment / Endline Symbols
    - Add Attachment Points
    - Choose Symbol Properties
  - Create Inline Assets / Inline Symbols
    - Identify Special Functionality / Properties
  - Create Segment Breaker Symbols
  - Create Control Valve Body & Actuators

### In-Project Symbol Creation & Editing

- Editing Existing P&ID Object Symbols
- Convert to P&ID Object

### Line Styles

- Create Process & Signal Lines
- Create a Multi-Line Style to the Project
- Create Flow Arrows & Gap Symbols

### Instrumentation

- Create & Modify General Instruments
- Create & Modify Inline Instruments

### Tag Styles

- Creating Tag Formats & New Properties
  - Auto Generate Numbering

### Annotations

- Modifying Default Annotations
- Create Custom Annotations
- Understand Annotations for Reducers
- Off Page Connectors

### Custom Reports

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

### Tool Palettes

- Workspaces / ACAD P&ID Tool Palettes
- Creating a Tool Palette
- Create & Share Tool Palette Groups

### Drawing Templates