



Duration: 5 Days

Course Outline

In this training guide, you learn how to use the AutoCAD® P&ID 2018, AutoCAD® Plant 3D 2018, and Autodesk® Navisworks® 2018 software products to complete a plant design project. This training guide includes five chapters comprised of lessons, exercises, and review questions. The training guide provides a comprehensive overview that includes all common workflows for plant design plus a focus on project setup

Introduction to AutoCAD Plant 3D

- Working in a Project
- Opening a Drawing
- Exploring the User Interface
- Managing Layers and Colors

Using AutoCAD P&ID

- Creating and Adding Existing Drawings
- Equipment and Nozzle
- Place Lines and Inline Components
- Instruments and Instrument Lines
- Tagging Concepts & Annotation Concepts
- Editing Techniques
- Data Manager and Reports
- Custom One-off Symbols
- Offpage Connections
- Advanced Topics and Troubleshooting
- P&ID Admin for Users
- Generating Reports

Using Navisworks

- File Handling
- Work with Autodesk Navisworks
- Clash Detection
- Highlights of Scheduling and Rendering

AutoCAD Plant 3D

- Creating Project Folders and Drawings
- Steel Modeling and Editing
- Equipment Modeling and Editing
- Piping Basics
- Piping Editing and Advanced Topics
- Working with P&ID Data in Plant 3D
- Creating and Annotating Orthographic Views
- Creating Isometric Drawings

Setting up and administering a Plant project

- Overview of Project Setup
- Overview of Project Structure and Files
- Setting Up Larger Projects
- Defining New Objects and Properties
- Customizing Data Manager
- Creating and Editing Drawing Templates and Data Attributes
- Specs and Catalogs
- Isometric Setup

Prerequisites: Students are required to have a working knowledge of AutoCAD software

Please do not hesitate to contact us for registration and further information

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