



# Plant Design<sup>®</sup> 2018 INTRODUCTION



## DESCRIPTION

This course gives an introduction to AutoCAD<sup>®</sup> Plant 3D and AutoCAD<sup>®</sup> P&ID



## TRAINING COURSEWARE

ASCENT Center for Technical Knowledge - Introduction to Plant Design<sup>®</sup> 2017  
[www.ascented.com](http://www.ascented.com)



## PRE-REQUISITES

This course is designed for new users of AutoCAD<sup>®</sup>. It is recommended that you have:

- Basic Knowledge of Plant Design
- A working knowledge of AutoCAD<sup>®</sup>
- A working knowledge of Microsoft<sup>®</sup> Windows<sup>®</sup>



## OBJECTIVES

Introduction to AutoCAD Plant 3D

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

AutoCAD P&ID

- Creating and Adding Existing Drawings
- Equipment and Nozzles
- Piping
- 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

AutoCAD Plant 3D - Mixed Metric

- 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
- Customising Data Manager
- Creating and Editing Drawing Templates and Data Attributes
- Specs and Catalogs
- Isometric Setup
- Troubleshooting
- Creating and Managing Report Configurations
- Setting Up SQL Express for AutoCAD Plant 3D