

# AutoCAD Plant 3D Advanced

## Duration:

---

3 Days

The duration of the course is 3 days, these 3 days will be used to learn the trainees the advanced functionalities of AutoCAD Plant 3D and how to configure the software to match their company standard(s). During the course the trainees will make several exercises to practice the skills learned and after the course the trainees will be able to configure AutoCAD Plant 3D.

## Course Objectives:

---

In this 3 day course you will learn how to setup AutoCAD Plant 3D to match your company standard(s). During the course the trainee will learn how the AutoCAD Plant 3D configuration can be adjusted to fit the needs of the users and in which way AutoCAD Plant 3D, AutoCAD P&ID, Isogen and orthographic drawings works together. The trainee will also be taught in this course how to use the spec and catalogue editor to setup their own specs and catalogues and how to copy and modify components.

After completing the course the trainees should be capable of configuring AutoCAD Plant 3D to match the company standard. The trainees also have learned how to create, modify and manipulate specs and catalogues to fit their company needs and wishes. The configuration will be used as a base for all projects to come and can be updated using the knowledge obtained in this course.

## Prerequisites:

---

To attend this training knowledge of and working experience with AutoCAD and the AutoCAD 3D environment is recommended. Preferably the user has followed the AutoCAD Plant 3D essentials course, so that functionalities that have to be manipulated are familiar. Knowledge of process and instrument diagrams, isometric drawings, steel structures and equipment is recommended but not essential, however it will be easier to follow the course if the trainee has some basic knowledge of the process industry.

## AutoCAD Plant 3D Advanced Course Outline:

- Introduction Plant 3D configuration
- Plant 3D Class definitions
- The user interface
- Modifying classes
- Level of detail
- Adding and modifying properties
- P&ID Object Mapping
- Using auto route functionality
- Modifying Object Mapping
- Introduction to tags and annotations
- Join Settings
- Setting up a tag
- Basic configuration paths
- Setting up an annotation
- Export and import settings
- Introduction to the spec editor
- Data manager configuration
- Modifying existing specs and catalogues
- Layer and colour settings
- Creating new specs
- Isogen configuration in Plant 3D
- Creating new catalogue components
- Setting up an Isogen title block
- Create multi catalogue specs
- Isogen basic settings in Plant 3D
- Create custom component templates