WORK SMARTER

PLANT 3D

Who should attend? Candidates must have experience in AutoCAD.

Course Objectives

- This course takes participants through the basics of AutoCAD Plant 3D, to a point where candidates can create P&IDs, 3D Piping and Equipment models, Orthographic Drawings, and Isometrics. Plant 3D is targeted to the design and layout of process plant facilities. It has the tools and features designers need to create detailed plant models, including piping, equipment, support structures, and other plant components built on the familiar AutoCAD platform.

COURSE OUTLINE

10 HOURS (5 DAYS, 2 HOUR SESSIONS)

Getting Started

- Preparing an architectural model
- AutoCAD Plant 3D Interface Overview
- Creating Project Folders and Drawings
- Project Manager Overview
- Using and changing drawing workspaces

P&ID's

- Creating smart P&IDs
- Available Workspaces & Toolsets
- Placing Equipment and Symbols
- Placing inline components
- Tagging
- Off-page drawing connectors
- Data Manager

Creating 3D Models

- Creating Structural components
- Parametric Equipment Builder
- Modifying pipe runs

3D Piping Models Continued

- Routing a new Pipeline
- Modifying pipe runs
- Placing pipe fittings
- Datasheets

Creating Orthographic Drawings

- Placing views
- Choosing displayed components within views
- Adding dimensions and annotations
- Modifying 3D model and updating ortho views
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Generating Isometric Drawings

- Displaying Bill of Materials, Cut Piece List, Weld List, and Spool List

Introduction to Plant 3D project Administration

- Creating a Plant 3D Project
- Functions available in Project Setup
- Overview of creating custom
- Specs and Catalogues

Industry workflow demonstration

- Navisworks integration for clash detection and 3D virtual walkthrough

To enrol call 061919009 or book online

COURSE INFORMATION

- The course is broken down into 5 sessions, each session is two hours long
- To complete this course, you will need to attend all sessions. **Training sessions will not be recorded.**
- Participants must have AutoCAD Plant 3D software installed on their laptop
- Candidates are required to have the European version of Autodesk software with the metric system installed
- Pre-payment is required
- Morning class will run from 10am – 12.00pm and the afternoon class will run from 2:00pm – 4.00pm
- Candidates will receive a Certificate of Completion from Autodesk
- Candidates need two connected screens, one to view the instructor screen and one complete the CAD drawings alongside the instructor

You can now claim CPD points on Plant 3D training with us.

€650 per candidate for the public online training course

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