



Curriculum Of AutoCAD Plant 3D

NEW FOR AUTOCAD

- User Interface & Configuration Changes
- Documentation and Design Enhancements
- 3D Updates
- Point Cloud Improvements

INTRODUCTION TO AUTOCAD PLANT 3D

- Starting AutoCAD Plant 3D
- AutoCAD Plant 3D User Interface
- Different Workspaces and Invoking Commands in AutoCAD Plant 3D
- Tool Palettes and Dialog Boxes
- Creating Backup Files and Closing a Drawing
- Opening Drawings and Quitting Plant 3D
- AutoCAD Plant 3D Help

CREATING PROJECTS AND P&IDS

- Introduction to Creating Projects and P&ID
- Designing a P&ID
- Validating the Drawing
- Editing the Drawing

CREATING STRUCTURE

- Creating a Grid and Adding Members
- Creating Stairs
- Creating Railing
- Creating a Ladder
- Creating a Plate/Grate
- Creating a Footing
- Editing the Structural Members
- Visibility Options
- Exchanging Data with Other Applications

CREATING EQUIPMENT

- Equipment in the Drawing
- Creating a Customized Equipment
- Modifying Equipment
- Converting Solid Models into Equipment
- Attaching and Detaching Objects from Equipment
- Adding Nozzles to Customized Equipment



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- Adding Nozzles to Converted Equipment
- Modifying Nozzles

ADDING SPECIFICATIONS AND CATALOGS

- Getting Started with AutoCAD Plant 3D Spec Editor and Creating a New Spec File
- Adding and Editing Spec Sheets
- Adding to and Editing Specs
- Working with the Catalog Editor
- Modifying the Branch Table

ROUTING PIPES

- Selecting a Spec and Working with the Spec Viewer
- Routing a Pipe
- Creating Branches, Weld Connections and Autodesk Connection Points

ADDING VALVES, FITTINGS AND PIPE SUPPORTS

- Adding Valves and Fittings in AutoCAD Plant 3D
- Pipe Supports
- Insulating a Pipe and Modifying the Pipe Components Using Grips

CREATING ISOMETRIC DRAWINGS

- Isometric Drawings
- Creating a Quick or Production Isometric Drawing
- Placing Iso Messages and Annotations and Exporting a Component File
- Configuring Isometric Drawing Settings

CREATING ORTHOGRAPHIC DRAWING

- Creating an Orthographic Drawing
- Using Different Views in AutoCAD Plant 3D

MANAGING DATA AND CREATING REPORTS

- Finding the Data in a File
- Working with the Data Manager and Report Creator in AutoCAD Plant 3D