AutoCAD Plant 3D Design
3-4 Day** Training Course

Overview
In this essentials course for AutoCAD Plant 3D we will teach you how to use this new software solution in your daily work making plant designs, upgrades or expansions at your site. During the course all necessary modules will be taken care of and each trainee will make several exercises behind a training system to test the skills needed to work with the software.

Prerequisites
• It is recommended that delegates are Microsoft Windows proficient.
• Creating, opening, and saving drawing files, changing the display of a drawing by zooming and panning, displaying and docking toolbars, saving and restoring named views, using object snaps, and managing layers and controlling layer visibility.
• Experience with Drafting, design, or engineering principles
• Proficient in AutoCAD or have attended the AutoCAD Essentials course.
• Knowledge of Process and Instrument diagrams (recommended but not essential)
• Basic knowledge of process industry or piping industry practice (recommended but not essential)

Software
• Autodesk AutoCAD Plant 3D

What’s Included?
• Course Notes & Stationery*
• Computer and software for the duration of course*
• Coffee, Tea & Delicious Lunch*
• WiFi Access*
• Autodesk Certified Instructor
• Internationally recognized Autodesk Authorized Training Certificate

* Pertains to in-class training only
** In-class training typically occurs over a 3-4 day period, customised training may differ

Course Content

SESSION 1 - INTRODUCTION TO AUTOCAD PLANT 3D
• Working in a Project
• Opening a Drawing
• Exploring the User Interface
• Managing Layers and Colours

SESSION 2 - SETTING UP & 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
• Specs and Catalogues
• Working with P&ID Data in Plant 3D
• Creating and Annotating Orthographic Views
• Creating Isometric Drawings

SESSION 3 - AUTOCAD PLANT 3D – IMPERIAL
• Creating Project Folders and Drawings
• Steel Modelling and Editing
• Equipment Modelling and Editing
• Piping Basics
• Piping Editing and Advanced Topics

SESSION 4 - NAVISWORKS
• File Handling
• Basic Navigation and Walkthrough
• Clash Detection
• Highlights of Scheduling
• Animation and Rendering
• Isometric Setup
• Troubleshooting
• Setting up SQL Express for AutoCAD Plant 3D
• Creating and Managing Report Configurations
**Course Registration Form**

Please complete, sign and return together with proof of payment to mgfxsales@mgfx.co.za or fax 086 694 9404

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**Terms & Conditions:**

1. Above Pricing Excludes VAT.
2. Students are to be at the training venue by 08h00 in preparation for a 08h30 start time.
3. Bookings can only be considered confirmation on receipt of payment.
4. Bookings may be changed up to three weeks in advance of the course. A fee of 20% will be levied to cover charges.
5. For full day courses, we will supply you with the relevant training material. A desktop computer to use for the training (where applicable) tea/coffee and a full lunch for full day InClass training hosted at the training center only. Catering is not included for OnSite training and laptop is available for hire at an additional cost if required.
6. Cancellation or rescheduling requests must be in writing and reach us at least 3 (five) working days prior to the course commencement date. Full course fees may be retained for no shows or requests within 5 working days prior to commencement.
7. Although we go to great lengths to ensure that all training proceeds as scheduled, we reserve the right to cancel or postpone dates if we require to do so and undertake to inform clients in writing and telephonically of these changes.
8. We suggest clients wait until a week prior to course commencement that a course has been confirmed to go ahead as scheduled before booking flight and accommodation. We are NOT responsible for cost associated with cancellation of classes such as flight and accommodation for clients.
9. Full training fees will apply if the above condition is not complied with.

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**Micrographics SA (Pty) Ltd**

Bank Details

ABSA Newton Park | Branch: 632005 | Account: 405 640 2325 | Reference: invoice number