

## Technical Education Services

### AutoCAD® P&ID Essentials

Course Length: 2 days



The features and functionality of AutoCAD® P&ID are covered in this course. See how P&ID extends basic AutoCAD functionality for process diagrams.

This class is intended primarily for Process Engineers, Designers or Draftsmen who are required to create piping and instrument diagrams.

After completing this class, users will be able to:

- Place equipment, pipes, accessories and instruments
- Create custom equipment and part place holders for out of spec components
- Populate tag (property) data and annotate design
- Create and modify systems within the P&ID drawing and project
- Validate your design
- General Project Settings
- P&ID DWG settings
- Create custom classes (content)
- Define or modify tags (properties) and annotation
- Customise the Data Manager and Reports

For the current course  
schedule and to register  
for this course:

Web: [redstack.com.au](http://redstack.com.au)

Phone: 1300 667 263

### Prerequisites:

Students should already possess a fundamental knowledge of an equivalent version of AutoCAD 2D functionality. It is recommended that the user have a working knowledge of Microsoft® Windows® XP or later.



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## Table of Contents

### Day 1: AutoCAD P&ID User Essentials

#### Chapter 1: Introduction to AutoCAD P&ID

- Working in a project
- Opening a drawing
- Exploring the user interface
- Managing layers and colors

#### Chapter 2: AutoCAD

- 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
- Solving validation issues
- Generating reports

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### Day 2: AutoCAD P&ID Administration Essentials

#### Chapter 1: Setting up and administering a project

- Overview of project setup
- Overview of project structure and files
- Setting up larger projects
- Defining new objects and properties
- Convert and create symbols
- P&ID Administration
- Customising data manager
- Creating and editing drawing templates and data attributes
- Troubleshooting
- Creating and managing report configurations
- Setting up SQL Express for AutoCAD P&ID

## Technical Education Services

### Cancellation Policy

The following cancellation policy shall apply to all training and consulting engagements including customised training solutions:

Redstack reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Redstack, Customer is entitled to a full refund. Redstack shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.

For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, Customer is entitled to a full refund of its payment or reschedule enrolment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.

Student substitutions are acceptable with at least two (2) days prior notice to the class, provided substitution meets course prerequisites and is approved by Redstack

For all Training orders, cancellation notices must be submitted in writing. Redstack is not responsible for any error in the delivery of the email notice. In the event of any reschedule of any training or consulting services by Customer, Redstack will invoice Customer for all non-cancellable travel expenses.

For more information, contact us on 1300 667 263.