

**Learning Topic: Technical (Plant Processes & Operations).**

**Course Name: Reading Engineering Drawings**

**Reference Code: PLOP 115**

### Course Overview:

This course is one of the basic training courses for any operation staff member.

This course contains information on reading technical data from plot plans, process flow diagrams, piping and instrumentation diagrams.

Plot plans, process flow diagrams, piping and instrumentation diagrams, and electrical one-line diagrams are important “maps” used by operators and maintenance personnel in their everyday production and maintenance work. Training in this subject is important because understanding the information contained in these drawings is necessary to conduct your daily activities.

In this module, you will learn the purpose of and what information is contained on each of the types of drawings, standard symbols used on them, and how to trace paths, lines, and/or routes using them.

### Course Objectives:

**Applying the concepts covered in this training course, delegates will be able to:**

1. Read plot plans and identify important information on them.
2. Read process flow diagrams and identify important information on them.
3. Read piping and instrumentation diagrams and identify important information on them.

### Training Methodologies:

The training methodology is interactive and is suitable for all employees involved in maintenance and operations management enhancing the following:

- Pre-test and Post-test
- Variety of Learning Methods & examples
- Presentation
- Lectures
- Group Work
- Videos
- Drills

#### United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road  
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## Who should attend?

Operation engineers

Operations technicians

Operators

Maintenance technicians

Any interested plant personnel in stores, warehouse, safety, procurement, logistics...etc.

## Training Outline:

### Day 1:

Course Introduction & Lesson 1: Reading Plot Plans

### Day 2:

Lesson 2: Reading Process Flow Diagrams (PFD)

### Day 3:

Lesson 2: Reading Process Flow Diagrams (PFD)

### Day 4:

Lesson 3: Reading Piping & Instrumentation Diagrams (P&ID)

### Day 5:

Lesson 3: Reading Process Flow Diagrams (PFD) & Course Conclusion

**Duration:** 5 Days

**Venue:**

**Numbers of hours:** 30 Hours

**Time:** 08:00 AM -02:00 PM

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