

C.R. 2055024564 ۲.00

ت.س. ۲۲۵۶۲٬۵۵، ۲

Learning Topic: Technical (Plant Processes & Operations).

Course Name: Refrigeration

Reference Code: PLOP 116

Course Overview:

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

This course covers the original Refrigeration Basics section. It covered a lot of material but this was done by just barely skimming the surface of things. The course gives a general idea of what refrigeration is and how it is accomplished.

The course then investigates all components of a mechanical refrigeration system, how they work and how to control them.

Course Objectives:

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

- 1. Understand the concept of refrigeration.
- 2. Describe the basic components of a mechanical refrigeration system.
- 3. Describe the applications of mechanical refrigeration systems.
- 4. Describe how to control a mechanical refrigeration system.

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

Who should attend?

Operation engineers

United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road Dubai-UAE. P.O Box 3103

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Operations technicians Operators Maintenance technicians Any interested plant personnel in stores, warehouse, safety, procurement, logistics...etc.

Training Outline:

<u>Day 1:</u>

Course Introduction & Lesson 1: Refrigeration Basics, Principles of heat transfer & Main Components

<u>Day 2:</u>

Lesson 2: Condensing Unit, Definitions, Charging

Day 3:

Lesson 3: Heat Pumps, Split System Heat Pumps

Day 4:

Lesson 4: Controls, Thermostatic Control, Pressure Control, Operating & Safety Controls

<u>Day 5:</u>

Lesson 5: Operating & Safety Controls, Pump Down System, Relays, Contactors & Course Conclusion

Duration: 5 Days

Venue:

Numbers of hours: 30 Hours

Time: 08:00 AM -02:00 PM

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