



*Training Course:
Process Plant Start-up and Commissioning*

13 - 17 April 2025

Dubai (UAE)

Residence Inn by Marriott Sheikh Zayed Road, Dubai

Training Course: Process Plant Start-up and Commissioning

Training Course code: EN6028 From: 13 - 17 April 2025 Venue: Dubai (UAE) - Residence Inn by Marriott Sheikh Zayed Road, Dubai Training Course Fees: 5300 € Euro

Introduction

Start-Up and Commissioning of new plant and equipment present both a major technical and management challenge. An organization's personnel must familiarise themselves with new equipment, processes and technologies, develop the relevant operating and safety procedures.

This program addresses in an integrated manner the key activities involved in the safe, effective and timely commissioning and start-up of a new plant or facility. In this programme you will learn:

- About the six key stages of the commissioning process
- How to balance the technical and management challenges of commissioning
- How to deal with machinery and equipment specific commissioning issues
- How to Manage Risks and Solve Problems during commissioning

Objectives

- About the six key stages of the commissioning process
- To develop and overall commissioning and plant start-up strategy
- To deal with machinery and equipment specific commissioning issues
- How to manage issues dealing with the commissioning of Electrical, Instrumentation and Utilities Systems
- To develop an overall commissioning management plan, resource plan, and budget
- Troubleshooting and Problem Solving strategies which can be applied during commissioning
- How to manage risks associated with commissioning

Methodology

Process Plant Start-up and Commissioning is a hands-on, stimulating learning experience. The program will be highly interactive, with opportunities to advance your opinions and ideas. Participation is encouraged in a supportive environment.

To ensure the concepts introduced during the program are understood, they will be reinforced through a mix of learning methods, including lecture-style presentations, open discussion, case studies, simulations, and group

work.

Outlines

DAY 1:

Introduction and Preparation

- Introduction to Process Plant Start-Up and Commissioning
- Organization and Roles
- Supplementary Topics
- Cost Estimation
- Spare Parts Planning

DAY 2:

Commissioning Strategy

- Commissioning Strategy
- Mechanical Completion & Integrity Checking
- Pre-commissioning and Operational Testing
- Start-up/Initial Operation, Testing and Acceptance

DAY 3:

Process Plant and Machinery Specific Issues

- Process Plant and Machinery Commissioning
- Instrumentation and Control Systems
- Preparing and Isolating Process Plant

DAY 4:

Management, Planning, and Control

- The Start-Up and Commissioning Planning and Control
- A Short-cut Approaches to Planning
- Progress Monitoring and Control

- Earned Value Analysis

DAY 5:

Managing Risks During Commissioning

- Trouble Shooting and Problem Solving
- Risk Management
- Managing Safety and Quality
- Conclusion

Registration form on the Training Course: Process Plant Start-up and Commisioning

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