

Training
Course

**Process Plant Shutdown,
Troubleshooting, Critical Activities,
Isolation, Start-up & Commissioning**

Course Plan

Introduction

Efficient shutdown, troubleshooting, and commissioning of process plants are critical for ensuring safety, reliability, and operational efficiency. This course provides a comprehensive understanding of best practices, strategies, and technical skills for managing these complex activities. Participants will gain valuable insights into planning, execution, and post-startup optimization to minimize downtime and maximize plant performance

Course Objectives:

- ✓ Understand the fundamentals of process plant shutdown and start-up operations.
- ✓ Learn to troubleshoot common and critical operational issues.
- ✓ Master critical activities and isolations during plant operations.
- ✓ Develop skills in planning and executing start-up and commissioning activities.
- ✓ Enhance safety awareness and ensure regulatory compliance during operations.



Who Should Attend?

- ✓ Plant engineers and managers.
- ✓ Maintenance and reliability professionals.
- ✓ Operations supervisors and technicians.
- ✓ Health, Safety, and Environment (HSE) personnel.
- ✓ Project engineers involved in commissioning and start-up.

Training Methods:

- ✓ Online Video material.
- ✓ Presentation.
- ✓ Live Interactive sessions.
- ✓ Course presenter will make extensive use of all tools that will be needed for the virtual environment.
- ✓ Questions & Answers

Course Outline:

Day One

- Overview of process plant operations and lifecycle.
- Importance of systematic shutdowns and start-ups.
- Key challenges in process plant operations.
- Steps in planning a process plant shutdown.

Day Two

- Resource allocation and scheduling.
- Risk management during shutdown activities.
- Identifying root causes of operational failures.
- Troubleshooting process equipment and systems.

Day Three

- Real-time problem-solving strategies.
- Managing critical path activities during shutdowns.
- Coordination between teams and departments.
- Tools and technologies for activity tracking.

Day Four

- Importance of proper isolation in process plants.
- Techniques for mechanical and electrical isolation.
- Verification and safety assurance during isolations.
- Step-by-step guide to plant start-up.

Day Five

- Commissioning procedures and documentation.
- Managing unexpected challenges during start-up.
- Safety protocols during shutdown and start-up.
- Regulatory and environmental compliance requirements.

Training Details

Course Duration	5 Days
Pre-Schedule	22 - 26 DEC 2024
Venue	Paris - le-mathurin hotel & Spa
Training Fees Per Person	KWD 1500 (One Thousand Five Hundred)
Course Fees Include	<ul style="list-style-type: none"> ✓ Tuition documentation ✓ Curriculum and Training Handout ✓ Five Star Lunch ✓ Completion Certificates

