

Training
Course

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



Skills سكلز
International الدولية
for Training & Consulting للتدريب والاستشارات



Course Plan

Introduction

The shutdown, troubleshooting, isolation, and commissioning of process plants are critical stages that require careful planning, coordination, and execution. This training course is designed to equip engineers, technicians, and operational staff with the essential knowledge and skills needed to effectively manage plant shutdowns, address operational issues, and ensure a smooth start-up process. By understanding the intricacies of each phase, participants will be better prepared to reduce downtime, mitigate risks, and achieve operational efficiency.

Course Objectives:

- ✓ Understand the key phases of process plant shutdown, troubleshooting, and commissioning.
- ✓ Develop strategies for effective planning and execution of plant shutdowns.
- ✓ Gain expertise in identifying and resolving critical operational issues.
- ✓ Learn about isolation procedures and safety protocols for equipment and systems.
- ✓ Master the best practices for plant start-up and commissioning to ensure smooth and efficient operations.

Who Should Attend?

- Plant engineers and operators involved in shutdown, start-up, and commissioning activities.
- Maintenance managers and supervisors.
- Process engineers responsible for plant operations.
- Technicians involved in troubleshooting and critical plant activities.
- Safety and HSE professionals ensuring safe shutdown and commissioning.
- Project managers and coordinators overseeing plant maintenance and operations.

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

- Introduction to Process Plant Shutdown: Key factors and steps in planning a shutdown.
- Pre-Shutdown Planning: Developing a comprehensive plan and timeline for shutdown activities.
- Shutdown Scheduling: Tools and techniques for efficient scheduling of tasks and resources.
- Safety Procedures During Shutdown: Implementing safety protocols to avoid accidents and injuries.

Day Two

- Isolation of Equipment and Systems: Ensuring proper isolation to guarantee safe maintenance activities.
- Troubleshooting During Shutdown: Identifying and resolving issues during the shutdown process.
- Critical Activities in Shutdown: Prioritizing high-risk tasks and ensuring their safe completion.
- Inspection and Maintenance During Shutdown: Best practices for inspection, cleaning, and repairs.

Day Three

- Risk Management and Hazard Identification: Evaluating risks and ensuring safety during shutdown.
- Communication and Coordination During Shutdown: Ensuring smooth collaboration among teams.



- Post-Shutdown Activities: Final checks and preparations before starting up the plant.
- Start-up Procedures and Protocols: Best practices for bringing a plant back online safely and efficiently.

Day Four

- Operational Testing During Start-up: Conducting tests to ensure operational integrity and performance.
- Commissioning of New Equipment and Systems: Ensuring new systems are installed and functional.
- Troubleshooting During Start-up and Commissioning: Addressing issues that arise during start-up.
- Commissioning Documentation and Reports: Recording and reporting all commissioning activities.

Day Five

- Safety during Start-up and Commissioning: Ensuring compliance with safety standards and protocols.
- Optimization of Start-up Procedures: Techniques to streamline and improve start-up processes.
- Lessons Learned and Continuous Improvement: Gathering insights for future shutdowns and start-ups.
- Case Studies and Real-World Applications: Practical examples and lessons from past plant shutdowns and commissioning projects.

Training Details

Course Duration	5 Days
Pre-Schedule	3-7 Nov 2024
Venue	UAE – Dubai – The H Hotel
Training Fees Per Person	KWD 1250 (One Thousand Two Hundred Fifty)
Course Fees Include	<ul style="list-style-type: none">✓ Tuition documentation✓ Curriculum and Training Handout✓ Five Star Lunch✓ Completion Certificates

