€TRAINING

Shutdown Maintenance Management On Petro Chemical Plants

27 April - 1 May 2025
Sharm El-Sheikh (Egypt)

Shutdown Maintenance Management On Petro Chemical Plants

REF: O1052 DATE: 27 April - 1 May 2025 Venue: Sharm El-Sheikh (Egypt) - Fee: 4465 Euro

Introduction:

This training program is designed to equip participants with essential skills for managing shutdown maintenance activities in petrochemical facilities. It empowers them to implement best practices that minimize downtime and enhance plant efficiency.

Program Objectives:

By the end of this program, participants will be able to:

- Understand the importance and principles of shutdown maintenance in petrochemical plants.
- Gain proficiency in planning and scheduling maintenance shutdowns.
- Learn techniques for resource allocation and coordination during shutdowns.
- Develop skills in risk assessment and mitigation for shutdown activities.
- Implement strategies for improving shutdown efficiency and effectiveness.

Target Audience:

- Maintenance managers and supervisors in petrochemical facilities.
- Plant engineers and operations personnel involved in maintenance planning.
- Maintenance technicians and specialists.
- Safety and compliance officers overseeing maintenance activities.
- Professionals seeking to enhance their knowledge of shutdown maintenance in petrochemical plants.

Program Outline:

Unit 1:

Overview of Shutdown Maintenance:

- Importance of Shutdown Maintenance in Petrochemical Plants.
- Types of Shutdowns: Planned, Unplanned, and Emergency.
- Regulatory Requirements and Safety Standards.

- Challenges and Risks Associated with Shutdown Activities.
- Key Performance Indicators KPIs for Shutdown Maintenance.

Unit 2:

Planning and Scheduling Shutdowns:

- Strategic Planning for Maintenance Shutdowns.
- Development of Shutdown Plans and Procedures.
- Scope Definition and Work Breakdown Structure WBS.
- Resource Allocation and Procurement Planning.
- Coordination with Operations and Stakeholders.

Unit 3:

Execution and Management of Shutdowns:

- Execution Phases: Pre-shutdown, Shutdown, and Post-shutdown.
- Roles and Responsibilities during Shutdown Activities.
- Monitoring Progress and Milestones.
- Communication and Reporting during Shutdowns.
- Managing Change and Unexpected Challenges.

Unit 4:

Risk Assessment and Mitigation:

- Identification of Risks and Hazards during Shutdowns.
- Risk Assessment Techniques: HAZOP, FMEA.
- Implementation of Mitigation Measures.
- Emergency Response and Contingency Planning.
- Lessons Learned and Continuous Improvement.

Unit 5:

Optimizing Shutdown Efficiency:

- Performance Evaluation and Analysis of Shutdowns.
- Metrics for Measuring Shutdown Performance.
- Root Cause Analysis RCA for Shutdown Issues.
- Implementing Best Practices for Efficiency Gains.
- Future Trends in Shutdown Maintenance for Petrochemical Plants.

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