Managing Efficient Shutdowns and Turnarounds

Venue Information

Venue: London UK

Place:

Start Date: 2025-12-15

End Date: 2025-12-19

Course Details

Net Fee: £4750.00

Duration: 1 week

Category ID: METC

Course Code: METC-9

Syllabus

courses Syllabus

Introduction

Planning and managing shutdowns, turnarounds, and outages in the process plant environment is crucial for minimizing risks of budget overruns and schedule delays. This program equips participants with essential strategies and techniques to enhance turnaround management capabilities and ensure successful plant shutdowns and turnarounds.

Objectives

By the end of this courses, participants will:

- Enhance turnaround management capabilities and promote a team approach.
- Gain a comprehensive understanding of effective turnaround management techniques.
- Develop an action plan to improve turnaround management techniques.

Day 1 - The Role of Maintenance Shutdowns and Turnarounds in World-class Organizations

- Understand how shutdowns and turnarounds contribute to business success.
- Explore key success factors, critical paths, and differences between shutdowns/turnarounds and projects.

Day 2 - Shutdown/Turnaround Preparation

- Address risk management, communication, and stakeholder engagement.
- Define roles and organization, apply risk-based task selection methods, and review scope.

Day 3 - Shutdown/Turnaround Preparation continued

- Utilize CBM and degradation analysis for scope visibility.
- Finalize scope, job analysis, estimating, risk planning, and work breakdown structure.

Day 4 - Shutdown and Turnaround Schedule

- Understand scheduling terms and concepts, apply CPM, and identify resource constraints.
- Manage shutdown budgets, assign shutdown work to in-house and contractors, and control contractor activities.

Day 5 - Shutdown and Turnaround, Execution Control and Review

- Prepare shutdown packages, control data, and manage shutdown quality.
- Monitor shutdown performance indicators, address emergent work, and conduct shutdown close-out reporting and review.

This courses provides a holistic approach to managing efficient shutdowns and turnarounds, ensuring minimal disruption and optimal performance in industrial operations.