GLOBAL TRAINING INSTITUTE

Managing Efficient Shutdowns and Turnarounds



GTI - Coordination Office and International Relations (Accredited Programs)

Course Description

The Managing Efficient Shutdowns and Turnarounds training course focuses on the complexities of planning and executing shutdowns, turnarounds, and outages in process plants. These high-risk events demand meticulous management due to their potential impact on production and costs. Participants will learn a holistic approach to planning and executing these events, including techniques to reduce risks associated with quality, costs, and schedules. This course aims to enhance organizational performance by minimizing downtime and maximizing efficiency during these critical operations.

Who Should Attend

This course is beneficial for professionals involved in shutdowns and turnarounds, including:

- Shutdown or Turnaround Professionals and Coordinators
- Planning, Scheduling, and Cost Control Staff
- Construction Superintendents and Supervisors
- Operations Shutdown/Outage Coordinators
- Project Engineers and Contract Administrators
- Stakeholders from Inspection, Materials, Safety, and Maintenance Engineering

Course Objectives

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

- Enhance the organization's capabilities in managing shutdowns and turnarounds.
- Implement a team-oriented approach to planning and executing these events.
- Understand the key stages, phases, and milestones of shutdown processes.
- Apply integrated methods for effective turnaround planning and management.
- Develop action plans to improve turnaround management techniques.
- Recognize their roles and contributions within the turnaround team.
- Mitigate risks and enhance performance through effective planning and scheduling.

Course Content

Understanding Shutdowns and Turnarounds

- Overview of the shutdown and turnaround processes.
- Critical success factors and risk management strategies.
- The impact of shutdowns on business performance.

Pre-Planning and Preparation

- Identifying roles, responsibilities, and stakeholder communications.
- Selecting and prioritizing work scope for shutdowns.
- Establishing critical success factors for preparation.

Planning for Safety, Quality, and Efficiency

- Analyzing work quality through the 5Ms framework.
- Conducting work surveys and hazard assessments.
- Utilizing planning libraries and work breakdown structures.

Scheduling for On-Time Execution

- Understanding scheduling concepts and standards.
- Techniques for balancing scheduling and resource allocation.
- Managing contracts and contractor relationships effectively.

Controlling Quality, Time, and Budget

- Developing work packages and logistics plans.
- Implementing quality control measures throughout execution.
- Conducting administrative close-out and lessons learned reviews.