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بروجاكس للتدريب والتطوير
Projacs Training and Development

Process Plants- Managing Shutdown, Turnaround and Outages

عمليات المحطات و المصانع – اداره عمليات الانقطاع والايقاف و التحويل

04 – 08 April 2021

Dubai / UAE



ProjacsAcademy.com



Introduction

Planning and managing shutdowns, turnarounds and outages in the process plant environment are a complex and demanding function. If turnarounds are not properly planned, managed and controlled, companies run the risks of serious budget overruns, costly schedule delays and negative impacts on customers. In this program you will learn:

- How to develop a Shutdown/Turnaround strategy
- Management of all stages of the shutdown process
- Develop the management plan, work plans, resource plans and budget
- How to management related issues such as risk and safety

Objectives

By the end of this course practitioners shall learn to:

- To enhance the company's turnaround management capabilities, and to ensure a team approach in the planning and execution of plant shutdowns and turnarounds
- Provide a comprehensive understanding of effective turnaround management techniques and implementation
- Create awareness of planning methods and an integrated organizational approach in the execution of successful turnarounds
- Incorporate latest developments in turnaround planning and management techniques and emerging industry trends

Who Should Attend?

- shutdown or turnaround managers and coordinators
- planning/scheduling and cost control staff
- construction superintendents and supervisors
- operations shutdown/outage coordinators
- project engineers and contract administrators
- Participation from inspection, materials, safety and maintenance engineering is also encouraged.

Course Outline

Day 1

Introduction to Shutdowns and Turnarounds

- Introduction to Shutdown and Turnaround Management
- The Shutdown Management Process
- Organization and Roles

Day 2:

Shutdown/Turnaround Preparation

- Plant Shutdown and Preparation for Maintenance
- Scope of Work Development and Work Breakdown Structures
- Preparation and Execution Issues
- Logistics, infrastructure and materials management

Day 3:

Shutdowns/Turnaround Planning Techniques

- Developing Shutdown and Turnaround Plans
- The Critical Path Planning Method
- “Short Cut” Planning Methods
- Developing the overall Shutdown Plan

Day 4:

Progress Monitoring and Control

- Progress Monitoring and Control
- Budgeting and Cost Control
- Earned Value, Earned Hours and Key Performance Indicators
- Finalization, Post-Audit and Improvement planning
- Contractors and Contractor Management
- Managing Safety

Day 5:

Safety, Quality and Risk Management

- Managing Safety and Quality
- Risk Management
- Overview of Computerized Tools
- Conclusion

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

- | | |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **2,950USD**
**VAT is Excluded If Applicable*