

01-03 OCT 2024

SHUTDOWN / TURNAROUND / OUTAGE

LOCATION: POS, TRINIDAD

This three-day training program offers a thorough overview of the Shutdown/Turnaround/Outage (STO) process. To make the best business decisions in preparation, it is important to understand stakeholder demands. The most successful STO's are those projects that thoroughly understand what influences the organization. These influences are usually a mixture of both internal and external factors.

With the combined impact both positively and negatively on the business and operations, STO's gets the attention of high-level management. In some instances, the value of lost production potentially has greater consequences financially than the actual direct costs of the shutdown.

This highly interactive course is designed to provide a training environment that maximizes the interaction between attendees and the facilitator. Attendees will complete and review daily exercises designed to enhance and reinforce knowledge retention and provide the best opportunity for planning, scheduling, and executing a successful STO.



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ANDY GAGER**



USD 1299 PER PERSON



OBJECTIVES

- Define work scope and responsibilities for all personnel involved in each stage of the STO
- Improve your plant reliability and equipment availability with an effective STO strategy
- Learn how selecting work through a prioritization system can better control future maintenance costs
- Minimize the possibility of liability by improving plant safety
- Evaluate the management of equipment lifecycle through effective STOs



AUDIENCE

- Mechanical, Electrical, Production or Project Engineers
 - Procurement
 - SHE Advisors
- Construction/Contractor Managers and Supervisors
 - Testing and Commission Engineers
- Maintenance Managers, Supervisors, Planners & Schedulers
 - Key Operations Supervisors
- Materials Management Managers/Supervisors
 - CMMS Administrator or Key Users
 - Key Maintenance Support Assistants
- Maintenance Engineers (Functional and Reliability)

SHUTDOWN / TURNAROUND / OUTAGE COURSE



COURSE OUTLINE

Chapter 1: Turnaround Management Intro

- Overview
- Plant Shutdown vs Plant Turnaround
 - Turnaround Philosophy
 - TAR Management Systems

Chapter 2: The Planning Process

- Strategic Planning
 - Organization
- Work Validation & Preparation
 - Planning & Scheduling
 - Execution

Chapter 3: Turnaround Team

- Roles & Responsibilities
- Common Responsibilities
- Responsibility Details

Chapter 4: TARs Evaluation Process

- Master Work List
- Comprehensive Work Packages
 - Estimating
- Master Schedule Phase I & II

Chapter 5: Risk & Work Execution

- Risks & Prioritizing
- Work Execution Plan
 - Daily Schedules

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GROUP DISCOUNTS (5+)**



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Chapter 6: Logistics Plan

- Overview
- Details
- Materials & Equipment

Chapter 7: The Contractor Management Plan

- Use of Contractors
- Manage the Bid Stage & Award
- Effective Mobilization

Chapter 8: HSE in Turnarounds

- Managing TARs Safely
- Pre-Start-up Safety Checklist & Sign-off

Chapter 9: Critical Path Management

- Key Concepts of Project Management
 - Critical Path Analysis
 - Pert & Gantt Charts
 - Three Phases of CPM
 - Float

Chapter 10: Close-Out & Review

- Overview
- Records & Files
- After Action Review (AAR)

Chapter 11: Key Performance Indicators

- TAR KPIs
- Turnaround Management System Checklist
 - Bringing it All Home!
 - Exercise/Assessment

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