

# € TRAINING

Strategic Planning and Execution of Plant  
Maintenance Events





# Strategic Planning and Execution of Plant Maintenance Events

## Introduction:

This training program provides comprehensive instruction on the strategic planning and execution of plant maintenance events. This program equips individuals with the skills needed to effectively plan and execute shutdowns, turnarounds, and outages in process plant environments.

## Program Objectives:

At the end of this program, participants will be able 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 strategic planning methods and an integrated organizational approach in the execution of successful turnarounds.
- Incorporate the latest developments in turnaround planning and management techniques and emerging industry trends.
- Make the turnaround planning and execution process efficient, professionally rewarding, and with the minimum stress and conflict.

## Targeted Audience:

- Turnaround Managers, Planners, Schedulers.
- Reliability Engineers.
- Maintenance Managers.
- Maintenance Supervisors.
- Project Managers, Project Engineers.
- Operations Managers, Operations Supervisors.
- Contractors who want to contribute to the shutdown performance of clients.

## Program Outlines:

## Unit 1:

### Introduction to Shutdowns and Turnarounds:

- Overview and Introduction.
- Shutdown Planning Strategy.
- Shutdown/TA problems and issues.
- Management planning.

## Unit 2:

### Shutdown/Turnaround Preparation:

- Plant shutdown and preparation for maintenance.
- Work Scope Development and Work Breakdown Structures.
- Organization and Roles.

## Unit 3:

### Shutdowns/Turnaround Planning Techniques:

- Developing Shutdown and Turnaround Plans.
- The Critical Path Planning Method.
- [Short Cut] Planning Methods.
- Scheduling multiple projects.

## Unit 4:

### Costs, Control, and Contractors:

- Developing shutdown budgets.
- Progress cost control and productivity tracking.
- Materials planning and control.
- Contractor Management.

## Unit 5:



## Safety, Quality, and Risk Management:

- Safety, Quality and Environmental Management.
- Risk Management.
- Integrating risk management into the shutdown plan.
- Conclusion.