

PLANNING AND MANAGING PLANT TURNAROUND

MNE001

COURSE DESCRIPTION

Planning and managing shutdowns, turnarounds and outages in the process plant environment is 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.

This course emphasizes that company staff from different departments, contractors and vendors must combine their knowledge, resources and energies, and work as a unified team to successfully achieve company goals and turnaround objectives. Numerous examples and case studies based on completed turnarounds are used to emphasize major strategic planning and management issues essential to successful turnarounds.

COURSE GOAL

To enhance the participants' knowledge, skills and abilities necessary to a thorough understanding of the fundamentals of effective turnaround management.

COURSE OBJECTIVES

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

- Work as a team for planning and execution of plant shutdowns and turnarounds.
- Understand effective turnaround management techniques and implementation.
- Understand the latest developments in turnaround planning and management techniques and emerging industry trends.
- Efficiently participate in the turnaround planning and execution process.

WHO SHOULD ATTEND

- Turnaround managers and coordinators.
- Planning/scheduling and cost control staff.
- Construction superintendents and supervisors.
- Operations coordinators.
- Project engineers and contract administrators.
- Participation from inspection, materials, safety and maintenance engineering is also encouraged.

COURSE DURATION

5 Working Days

COURSE OUTLINES

1. Introduction to shutdowns and turnarounds.

- Overview and introduction.
- Shutdown planning strategy.
- Shutdown/Turnaround problems and issues.

2. Shutdown/Turnaround preparation.

- Plant shutdown and preparation for maintenance.
- Work scope development and work breakdown structures.
- Organization and roles.

3. Shutdowns/turnaround planning techniques.

- Developing shutdown and turnaround plans.
- The critical path planning method.
- "Short Cut" planning methods.
- Scheduling multiple projects.

4. Costs, control and contractors.

- Shutdown budgeting.
- Progress, cost control and productivity tracking.
- Materials planning and control.
- Contractor management.

5. Safety, quality and risk management.

- Safety, quality and environmental management.
- Risk management.
- Integrating risk management into the shutdown plan.

