



شركة ميرك العربية السعودية  
MEIRC Saudi Arabia

## Managing Efficient Shutdowns & Turnarounds

**Duration 5 Days**

### Course Objectives

- 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

### Course Outlines:

- **Introduction to Shutdowns and Turnarounds**
  - Introduction to Shutdown and Turnaround Management
  - The Shutdown Management Process
  - Organization and Roles
- **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
- **Shutdowns/Turnaround Planning Techniques**
  - Developing Shutdown and Turnaround Plans
  - The Critical Path Planning Method
  - "Short Cut" Planning Methods
  - Developing the overall Shutdown Plan
- **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
- **Safety, Quality and Risk Management**
  - Managing Safety and Quality
  - Risk Management
  - Overview of Computerized Tools
  - Conclusion