

€ TRAINING

Maintenance Management on Petro-
Chemical Plants



Maintenance Management on Petro-Chemical Plants

Introduction:

This program has been customized for participants from Refineries, Petrochemicals, Fertilizer Basic Chemicals, and other process industries.

This program provides the Petro-Chemical Plant Maintenance Personnel practical knowledge and skills required to understand and execute the Maintenance System Functions Effectively.

The program follows the TQM flow-chart approach to understanding Maintenance functions, understanding inter-department interfaces, identification of key activities, highlighting problem points, management reporting needs, and identifying improvement opportunities. All important petrochemical plant maintenance management methodologies and techniques are covered in this program.

This program also introduces you to the practical use and implementation of the Latest Tools, Best Practices and Methodologies for Maintenance Professionals - Preventive Maintenance, Condition Based Maintenance, Breakdown Maintenance, Shutdown Maintenance - ERP, Maintenance Management Systems, Planning, and Management Techniques and TQM. Case Study forms an Important part of this program - giving the participant a practical feel of his Job Responsibility.

Course Objectives:

At the end of this course, the participants will be able to:

- Be provided with detailed course material and will be familiarized with various features of concrete construction in petroleum projects.
- Be familiar with any problem and its solution in the concrete structure in the petrochemical industry and its causes of failure.

Targeted Audience:

- Maintenance managers who wish to update and re-tune their knowledge
- Recent maintenance and reliability managers
- Maintenance and reliability engineers
- Plant, asset, and equipment managers
- Supervisors and technicians, moving to a managerial position
- HSE managers and engineers
- Cost, savings, and profitability related roles

Course Outlines:

Unit 1:

- Petro-Chemical Maintenance Business Work Processes
- Petro-Chemical Maintenance Management Function
- Petro-Chemical Maintenance Sources of Knowhow

Unit 2:

- Best Practices in
 - Petro-Chemical Maintenance Strategies

- Petro-Chemical Maintenance Planning
- Petro-Chemical Maintenance Scheduling
- Petro-Chemical Maintenance Coordination
- Building Knowledge Bases
- Early Warning Systems
- Outsourcing Petro-Chemical Maintenance

Unit 3:

- Building Customer Satisfaction
 - Internal Customers
 - External Customers
- Building Performance Excellence in Petro-Chemical Maintenance
- Managing Petro-Chemical Maintenance Projects

Unit 4:

- Petro-Chemical Maintenance Methodologies
- Petro-Chemical Maintenance Inspection and Testing
- Preventive Petro-Chemical Maintenance
- Corrective Petro-Chemical Maintenance
- Predictive and Condition Based Petro-Chemical Maintenance
- Reliability Analysis
- Root Cause Analysis

Unit 5:

- Shutdown Petro-Chemical Maintenance Planning & Management
- Improvement Methodology for Petro-Chemical Maintenance Management
- Performance Indicators in Petro-Chemical Maintenance Management.