



# Maintenance

## COURSE Objectives

- Compare and contrast the methods used in Reactive Maintenance, Preventive Maintenance, Predictive Maintenance, Total Productive Maintenance, and Reliability Centered Maintenance.
- Acquire an understanding of the significance of the effect of random failures of a piece of equipment.
- Identify a variety of uses for the different maintenance styles and maintenance methods.
- Explain why routine replacement of equipment components would be a poor choice in a maintenance program.
- Demonstrate knowledge of the standards of safety in the workplace.
- Describe the complete process of root cause analysis.
- Describe who is responsible for performing routine maintenance using the method of Total Productive Maintenance, and why.

## COURSE OUTLINE

### Why Preventive & Predictive Maintenance

- Apprising maintenance performance and effectiveness
- Typical maintenance controls
- Reactive maintenance
- Anticipative maintenance
- Ascertainment of equipment condition
- The need for preventive maintenance
- Preventive Predictive maintenance objectives
- Preventive Predictive maintenance prerequisites
- Preventive maintenance feasibility analysis
- Cost impact
- Saving potential

- Vibration analysis
- Wear particle analyzing

### Implementation Of Preventive Maintenance Program

- Job planning
- The planning function
- Planning, Service to do
- Job planning prerequisite
- Planners qualifications
- Planning permits Us, to forecast, communicate and measure
- Time required to perform work...labor content
- Consistency of estimating
- Estimating methods
- Work backlog
- Scheduling of maintenance work
- PERT and CPM as scheduling tools

### Developing the Preventive Predictive Maintenance Program

- Assignment of organizational responsibilities
- typical maintenance functional assignments
- operational concepts
- Equipment to be included
- Equipment numbering concepts
- The PM work order
- Sample of equipment components
- Determining the frequency cycle
- Considering manual versus computerization
- Predictive maintenance can determine maintenance requirement
- Predictive maintenance and its applied techniques as part of the PM program

### Controlling The Preventive Predictive Maintenance Process

- Preventive maintenance administration
- Planned maintenance
- Special tools and equipment
- Equipment availability
- Control reporting
- What should be included
- Overdue for maintenance and service user
- Assurance of work performed
- Conformance and auditing
- Feedback evaluation/corrective action

### Who Should Attend

Participants at every career level with backgrounds in the fields of Engineering, Architecture, Buildings Operations & Maintenance, Property Management, Interior Design, Business Administration, or anyone with an interest in the field of Facility Management

**COURSE DURATION:** 3 Days

**TRAINING HOURS:** 15 hrs

**FEES/TRAINEE:** 450\$

**MINIMUM NO. OF TRAINEES:** 15

**LANGUAGE :** English / Arabic

