BOOST
THE LEADING TRAINING PROVIDER

Maintenance & Reliability Management

Analysis and Modeling of Maintenance Activities Best Practices

Course Introduction

For decades, industrial and other organizations concentrated most of their attention upon product production, generally ignoring the maintenance function, viewing it as a necessary evil. During the recent years there has been a gradual attitude change in how general corporate managers view the maintenance function. One of the most important factors forcing this change was that maintenance departments became major cost centers within those organizations.

Today with general operating costs rising at the rate of **10%+** each year, there is the potential for the realization of significant savings in the maintenance department that deserves serious scrutiny. By implementing certain of the advanced management practices outlined here savings can be very significant. By integrating the listed programs the Maintenance Department, will produce dividends in the immediate, as well as for the long term value enhancement.

Industrial Maintenance Managers

Through the application of Good Management Practices **(GMP)**, and with the use of sound technical expertise, cost reductions in the range of **20%** to **35%** are within the realm of possibility. Industrial Maintenance Managers who integrate all of the listed programs will experience profound affects, gain increased control over the performance of their organizations, and thus achieve real successes. How much success will be dependent upon how well each specific function and each specific activity are integrated into the plant maintenance and production work routine.

Target Audience

- Facilities Engineer
- Facilities Engineering Manager
- Facilities Manager
- Facilities Specialist / Coordinator
- Health and Safety Engineer
- Maintenance Group Leader

- Maintenance Helper / Assistant
- Maintenance Manager
- Maintenance Superintendent
- Maintenance Supervisor
- Mechanical Reliability Engineer
- Network Reliability Engineer
- Operations and Maintenance Specialist
- Reliability Engineer

Learning Objectives

- Evaluate the Current Effectiveness of PM and PdM as per Maintenance Standard Activities.
- Migrate scheduled Maintenance Activities from shutdown to operating the Equipment till Plant.
- Use of the P-F curve to prevent equipment failures
- Apply Base Loading your schedule with PM activities and Tasks as per Maintenance Scheduling Program.
- Prioritize work using a RIME (Ranking Index of Maintenance Expenditures) Tool with full utilization .
- Understand the Element of Maintenance leadership and have a clear understanding of business benefits of creating a Reliability Culture.
- Utilize the Opportunity to share their ideas and current practices during Maintenance Activities.

Course Outline

- **01 DAY ONE**

  Module (01) Key Maintenance Work Processes

  - 1.1 Definitions of Key Terms
  - 1.2 Types of Maintenance Methods

- 1.3 Continuous Improvement
- 1.4 Utilization and Optimization
- 1.5 Maintenance Management
- 1.6 Using the Excellence Cube
- 1.7 Maintenance Assessment

Module (02) Introduction to Reliability

- 2.1 The benefits of a Reliability Culture
- 2.2 Existing Reliability Problems
- 2.3 Reliability Centered Knowledge
- 2.4 Failure Curves. Performance Curves
- 2.5 Defining and Measuring Downtimes
- 2.6 Cost and Risk in Maintenance

• **02 DAY TWO**

Module (03) Maintenance Activities Strategy

- 3.1 Do we really need a Maintenance Strategy?
- 3.2 How it fits with what we really do?
- 3.3 Framework for development a Strategy
- 3.4 Examples of Changing Strategies
- 3.5 Categorize Maintenance Activities
- 3.5.1 Routine Activities
- 3.5.2 Urgent Activities
- 3.5.3 Sensitivity Activities

Module (04) Performance Improvement

- 4.1 Performance Measurement Overview
- 4.2 Key Performance Indicators
- 4.3 Establish Performance Management for YOU
- 4.4 Case Study of a Company's KPI’s

• **03 DAY THREE**

Module (05) Maintenance Team Work

- 5.1 Engineering, Production & Maintenance Teams
- 5.2 Benefits of Integrated Teams
- 5.3 Motivation and Empowerment
- 5.4 Total Productive Maintenance Concepts
- 5.5 Cross– Skill Training Strategy
- 5.6 Implementing Team based Continuous Improvement

Module (06) Impact of Reliability on Profitability

- 6.1 Looking at Reliability through Executive Eyes
- 6.2 Exploring Financial KPI’s and their Use
- 6.3 Risk and Maintenance Manager
- 6.3.1 Understanding and Measuring Risk
- 6.3.2 Forecasting Future Risk
- 6.3.3 Creating the best Response to Risk
- 6.4 Using Risk Management to decide the “Shutdown Or Continue to Run” Argument

• **04 DAY FOUR**

Module (07) Maintenance Leadership Elements

- 7.1 Empowering Leaders
- 7.2 Maintenance Metrics
- 7.3 Auditing and Benchmarking
- 7.4 Setting Expectation and Standards
- 7.5 Coaching & Feedback
- 7.6 Motivation Maintenance Staff
- 7.7 Personal Improvement Plan

Module (08) Maintenance Financial Reporting

- 8.1 Maintenance as a Value Center Not a Cost Center
- 8.2 Basic Reports for Managing Maintenance Costs
- 8.3 Using Cost Reports to manage Business
- 8.4 Turning Costs Reports into Budgets for Maintenance
- 8.5 Measuring and Reporting Maintenance Value

• **05 DAY FIVE**

Module (09) Managing Change in Maintenance

- 9.1 Change Management Issues & Challenges
- 9.2 How to make Change Management Easy?
- 9.3 Planning Change Techniques
- 9.4 Implementing Change and Feedback

Module (10) Maintenance Logistics and Cost Control

- 10.1 Managing Maintenance Spare Parts
- 10.2 Optimizing Spare Parts Inventory Levels
- 10.3 Maintenance Budgeting and Cost Control
- 10.4 Controlling maintenance Costs

◦ 10.5 Life Cycle Cost Concepts & Applications

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 23, 2025	June 27, 2025	5 days	4950.00 $	England - London
Sept. 29, 2025	Oct. 3, 2025	5 days	4250.00 $	UAE - Dubai
Nov. 10, 2025	Nov. 14, 2025	5 days	4250.00 $	UAE - Abu Dhabi