



Consulting and Training | Reach New Heights

Course Name

Analysis and Modeling of Maintenance Activities Best Practices

Sector Name

Maintenance & Reliability Management

Document Type

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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 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 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 effects, 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.

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Analysis and Modeling of Maintenance Activities Best Practices

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

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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 the Plant.
- ✓ Use of the P-F curve to prevent equipment failures
- ✓ Apply Base Loading to your schedule with PM activities and Tasks as per the 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 the business benefits of creating a Reliability Culture.
- ✓ Utilize the Opportunity to share their ideas and current practices during Maintenance Activities.

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Course Outline

✓ **01 DAY ONE**

Module (01) Key Maintenance Work Processes

- ✓ Definitions of Key Terms
- ✓ Types of Maintenance Methods
- ✓ Continuous Improvement
- ✓ Utilization and Optimization
- ✓ Maintenance Management
- ✓ Using the Excellence Cube
- ✓ Maintenance Assessment

Module (02) Introduction to Reliability

- ✓ The benefits of a Reliability Culture
- ✓ Existing Reliability Problems
- ✓ Reliability Centered Knowledge
- ✓ Failure Curves. Performance Curves
- ✓ Defining and Measuring Downtimes
- ✓ Cost and Risk in Maintenance

Analysis and Modeling of Maintenance Activities Best Practices

Course Outline

✓ 02 DAY TWO

Module (03) Maintenance Activities Strategy

- ✓ Do we really need a Maintenance Strategy?
- ✓ How does it fit with what we really do?
- ✓ Framework for developing a Strategy
- ✓ Examples of Changing Strategies
- ✓ Categorize Maintenance Activities
- ✓ Routine Activities
- ✓ Urgent Activities
- ✓ Sensitivity Activities

Module (04) Performance Improvement

- ✓ Performance Measurement Overview
- ✓ Key Performance Indicators
- ✓ Establish Performance Management for YOU
- ✓ Case Study of a Company's KPI's

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Course Outline

✓ **03 DAY THREE**

Module (05) Maintenance Team Work

- ✓ Engineering, Production & Maintenance Teams
- ✓ Benefits of Integrated Teams
- ✓ Motivation and Empowerment
- ✓ Total Productive Maintenance Concepts
- ✓ Cross-Skill Training Strategy
- ✓ Implementing Team-based Continuous Improvement

Module (06) Impact of Reliability on Profitability

- ✓ Looking at Reliability through Executive Eyes
- ✓ Exploring Financial KPI's and Their Use
- ✓ Risk and Maintenance Manager
- ✓ Understanding and Measuring Risk
- ✓ Forecasting Future Risk
- ✓ Creating the best Response to Risk
- ✓ Using Risk Management to decide the "Shutdown or Continue to Run" Argument

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Course Outline

✓ **04 DAY FOUR**

Module (07) Maintenance Leadership Elements

- ✓ Empowering Leaders
- ✓ Maintenance Metrics
- ✓ Auditing and Benchmarking
- ✓ Setting Expectations and Standards
- ✓ Coaching & Feedback
- ✓ Motivation Maintenance Staff
- ✓ Personal Improvement Plan

Module (08) Maintenance Financial Reporting

- ✓ Maintenance as a Value Center, Not a Cost Center
- ✓ Basic Reports for Managing Maintenance Costs
- ✓ Using Cost Reports to manage Business
- ✓ Turning Costs Reports into Budgets for Maintenance
- ✓ Measuring and Reporting Maintenance Value

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Course Outline

✓ 05 DAY FIVE

Module (09) Managing Change in Maintenance

- ✓ Change Management Issues & Challenges
- ✓ How to make Change Management Easy?
- ✓ Planning Change Techniques
- ✓ Implementing Change and Feedback

Module (10) Maintenance Logistics and Cost Control

- ✓ Managing Maintenance Spare Parts
- ✓ Optimizing Spare Parts Inventory Levels
- ✓ Maintenance Budgeting and Cost Control
- ✓ Controlling Maintenance Costs
- ✓ Life Cycle Cost Concepts & Applications

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Nov. 16, 2026	Nov. 20, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
June 29, 2026	July 3, 2026	5 days	4950.00 \$	England , London
Oct. 5, 2026	Oct. 9, 2026	5 days	4250.00 \$	UAE , Dubai
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Abu Dhabi

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