

€ TRAINING

Cost Effective Maintenance





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Introduction:

This training program is designed to provide participants with the essential skills and knowledge needed to develop and implement maintenance strategies that optimize costs while ensuring operational efficiency. It empowers them to make informed decisions that balance cost and performance effectively.

Program Objectives:

By the end of this program, participants will be able to:

- Understand the principles of cost-effective maintenance.
- Learn how to develop and implement maintenance strategies.
- Gain proficiency in maintenance planning and scheduling.
- Develop skills for optimizing maintenance resources.
- Implement best practices for reducing maintenance costs and improving asset reliability.

Target Audience:

- Maintenance managers and supervisors.
- Maintenance engineers and technicians.
- Plant managers and operations personnel.
- Asset management professionals.
- Personnel involved in maintenance planning and execution.

Program Outline:

Unit 1:

Principles of Cost Effective Maintenance:

- Understanding Maintenance Costs.
- Key Drivers of Maintenance Expenses.
- Types of Maintenance Strategies Preventive, Predictive, Corrective.

- Benefits of Cost Effective Maintenance.
- Regulatory and Compliance Considerations.

Unit 2:

Maintenance Planning and Scheduling:

- Developing a Maintenance Plan.
- Work Order Management.
- Scheduling Techniques and Tools.
- Balancing Reactive and Proactive Maintenance.
- Resource Allocation and Optimization.

Unit 3:

Optimizing Maintenance Resources:

- Inventory Management and Spare Parts Optimization.
- Workforce Management and Skill Development.
- Utilizing Maintenance Technologies and Software.
- Vendor and Contractor Management.
- Cost Control and Budgeting.

Unit 4:

Improving Asset Reliability and Performance:

- Reliability-Centered Maintenance RCM.
- Condition-Based Monitoring CBM.
- Root Cause Analysis RCA for Equipment Failures.
- Implementing Predictive Maintenance PdM Techniques.
- Case Studies on Improving Asset Reliability.

Unit 5:



Continuous Improvement and Best Practices:

- Performance Measurement and Key Performance Indicators KPIs.
- Continuous Improvement in Maintenance Processes.
- Implementing Maintenance Best Practices.
- Benchmarking and Maintenance Audits.
- Future Trends in Maintenance Management.