

€ TRAINING

Preventive Maintenance Management
Practices





Preventive Maintenance Management Practices

Introduction:

This training program is designed to provide participants with the latest strategies and tools for effective preventive maintenance management. It empowers them to implement proactive maintenance strategies that reduce downtime and extend equipment life.

Program Objectives

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

- Understand the principles and benefits of preventive maintenance management.
- Gain proficiency in developing and implementing preventive maintenance plans.
- Learn techniques for using technology to optimize maintenance operations.
- Develop skills in risk assessment and mitigation for preventive maintenance activities.
- Implement best practices for continuous improvement in maintenance management.

Target Audience:

- Maintenance managers and supervisors.
- Reliability engineers and maintenance planners.
- Maintenance technicians and specialists.
- Operations managers and plant engineers.
- Professionals seeking to enhance their preventive maintenance management skills.

Program Outline:

Unit 1:

Fundamentals of Preventive Maintenance Management:

- Importance of Preventive Maintenance.
- Key Principles and Objectives.
- Developing a Preventive Maintenance Culture.

- Regulatory Requirements and Compliance.
- Key Performance Indicators KPIs for Preventive Maintenance.

Unit 2:

Developing Preventive Maintenance Plans:

- Identifying Critical Equipment and Systems.
- Establishing Maintenance Schedules and Procedures.
- Resource Allocation and Budgeting.
- Documentation and Record-Keeping Practices.
- Coordinating with Operations and Other Departments.

Unit 3:

Leveraging Technology for Preventive Maintenance:

- Maintenance Management Systems CMMS/EAM.
- Predictive Maintenance Technologies IoT, Sensors, and Analytics.
- Automated Scheduling and Work Order Management.
- Data Collection and Analysis for Maintenance Optimization.
- Case Studies on Technology-Driven Maintenance.

Unit 4:

Risk Assessment and Mitigation in Preventive Maintenance:

- Identifying Risks and Hazards in Maintenance Activities.
- Risk Assessment Techniques: HAZOP, FMEA.
- Implementing Risk Mitigation Measures.
- Emergency Response Planning and Incident Management.
- Continuous Improvement and Lessons Learned.

Unit 5:



Continuous Improvement in Maintenance Management:

- Performance Evaluation and Analysis.
- Root Cause Analysis RCA for Maintenance Issues.
- Implementing Best Practices for Maintenance Efficiency.
- Training and Development for Maintenance Personnel.
- Future Trends and Innovations in Preventive Maintenance.