

# € TRAINING

Advanced Maintenance Management Best  
Practices

A group of four smiling professionals (two men and two women) in a meeting. The woman in the foreground is wearing a black top and a multi-strand necklace. The others are wearing white shirts. They are sitting around a table with papers and a laptop.

19 - 23 August 2024  
Casablanca (Morocco)  
New Hotel



# Advanced Maintenance Management Best Practices

REF: O1311 DATE: 19 - 23 August 2024 Venue: Casablanca (Morocco) - New Hotel Fee: 4675 Euro

## Introduction:

This training program is designed to provide participants with comprehensive knowledge and skills to implement advanced maintenance management strategies. It empowers them to lead effective maintenance management initiatives.

## Program Objectives:

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

- Understand advanced principles of maintenance management.
- Gain proficiency in preventive and predictive maintenance techniques.
- Learn strategies for optimizing maintenance processes.
- Develop skills in cost analysis and asset management.
- Implement best practices for enhancing maintenance efficiency and reliability.

## Target Audience:

- Maintenance managers and supervisors.
- Reliability engineers and maintenance planners.
- Plant engineers and operations managers.
- Maintenance technicians and specialists.
- Professionals seeking to advance their maintenance management skills.

## Program Outline:

### Unit 1:

#### Advanced Maintenance Management Principles:

- Overview of Maintenance Management.
- Maintenance Strategies: Reactive, Preventive, Predictive, and Proactive.
- Key Performance Indicators KPIs for Maintenance.

- Maintenance Planning and Scheduling.
- Maintenance Management Systems and Tools.

## Unit 2:

### Preventive and Predictive Maintenance Techniques:

- Principles of Preventive Maintenance PM.
- Developing and Implementing PM Programs.
- Predictive Maintenance PdM Techniques and Technologies.
- Condition Monitoring and Diagnostic Tools.
- Case Studies on Successful PM and PdM Implementation.

## Unit 3:

### Optimization of Maintenance Processes:

- Techniques for Optimizing Maintenance Processes.
- Root Cause Analysis RCA for Failure Prevention.
- Lean Maintenance Practices.
- Total Productive Maintenance TPM.
- Reliability-Centered Maintenance RCM.

## Unit 4:

### Cost Analysis and Asset Management:

- Life Cycle Cost Analysis LCCA for Maintenance.
- Identifying and Reducing Maintenance Costs.
- Cost-Benefit Analysis of Maintenance Activities.
- Asset Management and Lifecycle Planning.
- Tools and Software for Maintenance Cost Management.

## Unit 5:



## Best Practices and Continuous Improvement:

- Implementing Best Practices in Maintenance Management.
- Continuous Improvement in Maintenance Processes.
- Training and Development for Maintenance Personnel.
- Benchmarking and Performance Metrics.
- Future Trends and Innovations in Maintenance Management.