

€ TRAINING

Advanced Maintenance Strategies



13 - 24 October 2024
Istanbul (Turkey)



Advanced Maintenance Strategies

REF: O393 DATE: 13 - 24 October 2024 Venue: Istanbul (Turkey) - Fee: 9560 Euro

Introduction:

This training program is designed to equip participants with advanced methodologies to optimize maintenance practices in various industries. It empowers them to lead effective maintenance strategies aligned with organizational goals.

Program Objectives:

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

- Develop a comprehensive understanding of maintenance management principles.
- Enhance skills in developing and implementing maintenance strategies.
- Improve operational efficiency through effective maintenance planning.
- Foster a culture of continuous improvement in maintenance practices.
- Prepare to address challenges in maintenance operations effectively.

Target Audience:

- Maintenance managers and supervisors.
- Plant engineers and reliability professionals.
- Operations and production managers.
- Technical staff involved in asset management.
- Employees seeking to enhance their knowledge in maintenance strategies.

Program Outline:

Unit 1:

Fundamentals of Maintenance Management:

- Introduction to maintenance management.
- Importance of maintenance in operational reliability.
- Maintenance strategies and methodologies.

- Role of maintenance in organizational success.
- Overview of key performance indicators KPIs in maintenance.

Unit 2:

Maintenance Planning and Scheduling:

- Principles of maintenance planning.
- Techniques for effective scheduling.
- Developing maintenance schedules.
- Tools and software for planning and scheduling.
- Best practices in maintenance planning.

Unit 3:

Reliability Centered Maintenance RCM:

- Introduction to RCM principles.
- Implementing RCM in maintenance strategies.
- Failure modes and effects analysis FMEA.
- Risk-based maintenance RBM.
- Case studies on successful RCM implementation.

Unit 4:

Predictive Maintenance Technologies:

- Overview of predictive maintenance PdM.
- Techniques and technologies in PdM vibration analysis, thermal imaging.
- Condition monitoring systems.
- Benefits and challenges of PdM.
- Integration of PdM with maintenance strategies.

Unit 5:

Preventive Maintenance Strategies:

- Introduction to preventive maintenance PM.
- Types of PM tasks time-based, usage-based.
- Developing a PM program.
- PM optimization techniques.
- Case studies on effective PM strategies.

Unit 6:

Total Productive Maintenance TPM:

- Principles and pillars of TPM.
- Implementing TPM in manufacturing environments.
- Autonomous maintenance.
- Planned maintenance.
- TPM as a culture change initiative.

Unit 7:

Asset Management and Life Cycle Costing:

- Asset management principles.
- Life cycle costing LCC analysis.
- Techniques for LCC calculation.
- Decision-making in asset replacement.
- Optimizing asset performance and cost efficiency.

Unit 8:

Maintenance Budgeting and Cost Control:

- Developing a maintenance budget.
- Cost control strategies in maintenance.
- Variance analysis and corrective actions.

- Tools for budgeting and cost tracking.
- Achieving cost-effective maintenance operations.

Unit 9:

People Management in Maintenance:

- Leadership skills for maintenance managers.
- Building high-performance maintenance teams.
- Training and development in maintenance.
- Motivation and engagement strategies.
- Handling interpersonal conflicts in maintenance teams.

Unit 10:

Continuous Improvement in Maintenance:

- Principles of continuous improvement CI.
- Lean maintenance principles and practices.
- Six Sigma in maintenance.
- Kaizen events and improvement projects.
- Developing a culture of CI in maintenance.