

MAINTENANCE AND OPERATION (MANDO) OF ENGINEERING PLANT AND SERVICES TRAINING

“Optimizing Performance, Reliability, and Value in Engineering Plant Operations.”

Schedule	
Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation
► Available delivery methods: In-House Training	

Introduction

M&O of engineering plant and services is becoming more important to the success of the corebusiness. To select the right M&O technique for specific plant andequipment it is necessary to knowwhat options are available, what they deliver and how they should be implemented. This course willhelp you consider options and techniques that provide best value based on that thoroughunderstanding of the business need.M&O will increasingly be required to demonstrate it isdelivering the optimum of cost and value and the main purpose of the course is to show how thiscan be achieved.

Objectives

- By the end of this training, participants will be able to:
- Understand the fundamental principles of plant maintenance and operation.
 - Identify different types of maintenance strategies (reactive, preventive, predictive, condition-based, and reliability-centered).
 - Evaluate the effectiveness and cost-efficiency of different M&O techniques.
 - Develop maintenance plans aligned with business and production needs.
 - Apply tools for performance measurement, risk management, and cost control.
 - Understand energy management and sustainability in plant operations.
 - Implement continuous improvement in maintenance and operational performance.

Why Attend

Effective M&O management can maximize equipment uptime, extend asset life, and reduce operational costs. This course equips participants with both technical understanding and managerial insight to achieve excellence in plant performance. Through practical case studies and real-world applications, attendees will learn how to optimize resources, integrate maintenance planning with business strategy, and adopt modern technologies for improved reliability and efficiency.

Target Audience

This course is suitable for:

- Plant and Maintenance Engineers
- Operations and Production Managers
- Engineering Supervisors and Technicians
- Facilities and Asset Managers
- Energy and Utilities Managers
- Project and Reliability Engineers
- Anyone involved in maintenance planning, operations, or technical management

Individual Benefits

- Gain a comprehensive understanding of M&O techniques and their applications.
- Learn how to select and implement effective maintenance strategies.
- Improve technical decision-making and analytical skills.
- Enhance ability to manage costs, risks, and plant reliability.
- Strengthen career prospects through advanced operational knowledge.

Organizational Benefits

- Improve plant reliability, safety, and performance.
- Optimize operational costs and reduce equipment downtime.
- Extend the lifespan of critical assets and infrastructure.
- Align maintenance activities with business objectives.
- Foster a culture of continuous improvement and efficiency.

Instructional Methodology

The course employs a blended, practical learning approach, including:

- Expert-led presentations and interactive discussions
- Real-world case studies and maintenance strategy examples
- Group workshops on planning and problem-solving
- Tools and templates for maintenance analysis and scheduling
- Practical exercises focused on performance optimization

Course Outline

- Module 1: Overview of Maintenance and Operation in Engineering Plants
- Module 2: Principles of Maintenance Strategy and Planning
- Module 3: Reactive, Preventive, Predictive, and Condition-Based Maintenance
- Module 4: Reliability-Centered Maintenance (RCM) and Total Productive Maintenance (TPM)
- Module 5: Asset Performance Measurement and Cost Optimization
- Module 6: Energy Management and Sustainability in Plant Operations
- Module 7: Risk Assessment and Safety in Maintenance Activities
- Module 8: Contractor Management and Outsourced Maintenance
- Module 9: Continuous Improvement and Future Trends in M&O

Certification

Participants who successfully complete this training will receive a Certificate of Completion in Maintenance and Operation (M&O) of Engineering Plant and Services, validating their understanding of modern maintenance strategies and operational excellence practices.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL:	EMAIL:
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