

## PLANT ASSET MANAGEMENT & RELIABILITY

*“Maximize Asset Performance and Ensure Operational Reliability”*

### Schedule

Date	Venue	Fees (Face-to-Face)
12 - 13 Aug 2026	Manama, Bahrain	USD 1995 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

### Introduction

Effective asset management is key to maintaining plant performance, ensuring equipment reliability, and reducing lifecycle costs. This focused 2-day course provides practical frameworks, tools, and techniques to optimize asset utilization, enhance reliability, and align maintenance strategies with organizational goals.

### Objectives

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

- Understand the principles of asset management and reliability engineering.
- Apply techniques for assessing and improving asset performance.
- Develop and implement effective maintenance strategies.
- Integrate reliability-centered maintenance (RCM) practices.
- Monitor and optimize the lifecycle of plant assets.

## Why Attend

- Gain practical tools to extend asset life and minimize failures.
- Improve maintenance planning and resource utilization.
- Learn industry best practices for reliability and performance.
- Reduce downtime and improve overall operational efficiency.
- Strengthen decision-making with data-driven asset management.

## Target Audience

This program is designed for:

- Asset managers and plant managers.
- Maintenance and reliability engineers.
- Operations managers and technical supervisors.
- Engineers and professionals involved in asset-intensive industries.

## Individual Benefits

Key competencies that will be developed include:

- Asset lifecycle management.
- Maintenance strategy development.
- Failure modes and effects analysis (FMEA).
- Reliability-centered maintenance (RCM).
- Performance monitoring and improvement.

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved asset reliability and availability.
- Enhanced maintenance practices and reduced unplanned downtime.
- Better alignment between asset management and business goals.
- Increased return on asset (ROA) and reduced operating costs.
- Stronger data analysis for continuous improvement.

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Expert Lectures – Core concepts and principles.
- Case Studies – Real-world applications and lessons learned.
- Interactive Workshops – Applying tools to participants' contexts.
- Group Discussions – Sharing best practices and solutions.
- Action Planning – Preparing an improvement roadmap.

## Course Outline

### Detailed 2-Day Course Outline

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

#### Day 1: Asset Management Foundations

- Module 1: Introduction to Asset Management (07:30 – 09:30)
  - Definitions and key concepts.
  - The role of asset management in business performance.
  - Case study: Successful asset management implementation.
- Module 2: Reliability Engineering Principles (09:45 – 11:15)
  - Basics of reliability and maintainability.
  - Understanding failure modes and risks.
  - Workshop: Conducting FMEA.
- Module 3: Maintenance Strategies (01:00 – 03:30)
  - Overview of maintenance approaches (preventive, predictive, RCM).
  - Selecting the right strategy for your plant.
  - Group activity: Drafting a maintenance improvement plan.

#### Day 2: Practical Applications and Performance Improvement

- Module 1: Performance Monitoring (07:30 – 09:30)
  - Key performance indicators (KPIs) for assets.
  - Data collection and analysis techniques.
  - Workshop: Building a performance dashboard.
- Module 2: Optimizing Asset Lifecycles (09:45 – 11:15)
  - Asset health monitoring and condition assessment.
  - Lifecycle cost analysis.
  - Group discussion: Balancing cost, risk, and performance.
- Module 3: Action Planning and Improvement (01:00 – 03:30)
  - Developing an action plan for your organization.
  - Prioritizing initiatives and setting goals.
  - Final review and next steps.

## Certification

Participants will receive a Certificate of Completion in Plant Asset Management & Reliability, recognizing their mastery of strategies to maximize asset performance and ensure operational excellence.

## Why Choose MAWA Events

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