MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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ASSET INTEGRITY & RELIABILITY MANAGEMENT

"Enhance asset performance and reliability through effective integrity management practices"

Schedule

Date	Venue	Fees (Face-to-Face)
07 – 09 Dec 2026	Doha, Qatar	USD 2495 per delegate

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

Introduction

Effective asset integrity and reliability management is critical for maintaining safe, efficient, and sustainable operations. This 3-day face-to-face training provides participants with a comprehensive understanding of strategies, tools, and practices to ensure assets perform reliably and risks are mitigated across their lifecycle.

Through lectures, case studies, workshops, and group discussions, participants will gain practical skills to evaluate asset integrity, implement reliability programs, and optimize maintenance practices. By the end of the course, attendees will be able to enhance operational efficiency while minimizing downtime and risks.

Objectives

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

- Understand the principles of asset integrity and reliability management.
- Implement reliability-centered maintenance strategies.
- Evaluate and monitor asset performance to reduce operational risks.
- Apply best practices in inspection, maintenance, and risk management.
- Enhance overall asset lifecycle performance and organizational efficiency.

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Why Attend

- Gain practical expertise in asset integrity and reliability management.
- Learn techniques to minimize downtime and operational risks.
- Improve maintenance planning and optimization strategies.
- Enhance safety, efficiency, and performance of organizational assets.
- Network with professionals and share industry best practices.

Target Audience

This program is designed for:

- Maintenance and reliability engineers and managers.
- Asset integrity and inspection professionals.
- Operations and maintenance personnel responsible for asset performance.
- Professionals involved in risk assessment, inspection, and maintenance strategy development.

Individual Benefits

Key competencies that will be developed include:

- Mastery of asset integrity principles and reliability management techniques.
- Ability to develop and implement reliability-centered maintenance programs.
- Skills in performance evaluation, risk assessment, and mitigation strategies.
- Enhanced decision-making in maintenance and asset management.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved asset performance, reliability, and operational efficiency.
- Reduced downtime, maintenance costs, and operational risks.
- Enhanced safety and compliance with industry standards.
- Optimized lifecycle management of critical assets.

Instructional Methodology

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

- Strategy Briefings – Principles of asset integrity, reliability, and risk management.
- Case Studies – Real-world examples of asset performance and reliability challenges.
- Workshops – Hands-on exercises in maintenance planning, inspection, and reliability analysis.
- Peer Exchange – Group discussions on practical challenges and lessons learned.
- Tools – Templates, checklists, and frameworks for asset integrity and reliability management.

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Course Outline

Detailed 3-Day Course Outline

Training Hours: 9:00 AM – 5:00 PM Daily Format: 3–4 Learning Modules | Coffee Breaks & Lunch included

Day 1: Introduction to Asset Integrity & Reliability (09:00 – 04:00)

Module 1: Fundamentals of Asset Integrity (09:00 – 11:00)

- Concepts, principles, and regulatory frameworks.

Module 2: Reliability Management Principles (11:15 – 01:00)

- Key techniques, metrics, and performance evaluation.

Module 3: Maintenance Strategies (02:00 – 04:00)

- Reliability-centered maintenance, preventive and predictive approaches.

Day 2: Performance Monitoring and Risk Assessment (09:00 – 04:00)

Module 4: Asset Performance Monitoring (09:00 – 11:00)

- KPIs, performance tracking, and reporting.

Module 5: Risk Assessment and Mitigation (11:15 – 01:00)

- Identifying threats, risk analysis, and mitigation strategies.

Module 6: Workshops and Case Studies (02:00 – 04:00)

- Practical exercises and lessons from real-world scenarios.

Day 3: Implementation and Optimization (09:00 – 04:00)

Module 7: Reliability Program Implementation (09:00 – 11:00)

- Developing and executing asset integrity and reliability programs.

Module 8: Optimization Techniques (11:15 – 01:00)

- Strategies to enhance operational efficiency and minimize downtime.

Module 9: Action Planning and Review (02:00 – 04:00)

- Developing implementation plans and addressing participant queries.

Certification

Participants will receive a Certificate of Completion in Asset Integrity & Reliability Management, validating their expertise in optimizing asset performance, implementing reliability programs, and managing operational risks.

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.

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