

## ASSET INTEGRITY & AVAILABILITY IMPROVEMENT

*“Ensuring Optimal Performance and Longevity of Assets”*

### Schedule

Date	Venue	Fees (Face-to-Face)
21 – 25 Sep 2026	Dubai, UAE	USD 3495 per delegate

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

### Introduction

The Asset Integrity & Availability Improvement course provides essential knowledge and skills needed to enhance asset performance, longevity, and reliability. This program focuses on the principles and practices necessary for managing asset integrity effectively, ensuring that critical systems remain operational and meet safety standards. Participants will learn techniques for identifying and mitigating risks associated with asset degradation and maximizing availability.

In industries where asset failure can lead to costly downtimes or safety incidents, it is crucial to implement a robust asset integrity strategy. This course will equip participants with the tools to assess asset condition, manage performance, and adopt maintenance practices that enhance the availability and reliability of industrial assets.

### Objectives

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

- Understand asset integrity management principles and their importance in improving availability.
- Implement strategies to monitor and maintain critical assets throughout their lifecycle.
- Identify and assess risks related to asset failure and degradation.
- Apply advanced maintenance strategies to ensure optimal asset performance.
- Enhance asset management processes through effective monitoring, inspection, and maintenance practices.

## Why Attend

- Gain knowledge on managing and improving asset integrity and reliability.
- Learn to develop effective maintenance strategies to increase asset availability.
- Reduce downtime and improve asset performance with the latest industry practices.
- Enhance your skills in risk assessment and reliability analysis.
- Stay ahead in a competitive industry by mastering asset management techniques.

## Target Audience

This program is designed for:

- Asset managers and reliability engineers.
- Maintenance and operations managers.
- Professionals responsible for asset integrity and availability.
- Engineers and technical staff working with critical infrastructure.
- Anyone involved in managing the lifecycle of industrial assets.

## Individual Benefits

Key competencies that will be developed include:

- Expertise in asset integrity management and improvement.
- Ability to implement strategies to enhance asset availability and performance.
- Proficiency in assessing risks and identifying critical assets for maintenance.
- Skills in developing and applying asset management plans.
- Knowledge of advanced technologies and techniques used in asset management.

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- A comprehensive understanding of asset integrity and availability management.
- The ability to implement asset management frameworks that reduce downtime.
- Enhanced reliability of critical assets, resulting in cost savings.
- Development of maintenance schedules that maximize asset lifecycle and performance.
- Improved organizational safety and risk management practices.

## Instructional Methodology

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

- Strategy Briefings - Deep dive into asset integrity principles and improvement techniques.
- Case Studies - Real-world examples of asset management and integrity programs.
- Workshops - Hands-on exercises on implementing asset management strategies.
- Peer Exchange - Group discussions on asset integrity challenges and solutions.
- Tools - Templates and tools for developing asset management plans, risk assessments, and maintenance schedules.

## MAWA EVENTS

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

**Phone:** +601116373203 | **Email:** info@mawaevents.net

---



## Course Outline

Detailed 5-Day Course Outline

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

### Day 1: Introduction to Asset Integrity and Availability

- Module 1: Overview of Asset Integrity (07:30 – 09:30)
  - What is asset integrity, and why is it critical?
  - Principles of asset integrity management.
  - The lifecycle of assets and key performance indicators.
- Module 2: Understanding Asset Availability (09:30 – 11:30)
  - What constitutes asset availability and its importance?
  - Metrics for measuring asset availability.
  - Factors affecting asset performance and availability.

### Day 2: Risk Assessment and Failure Analysis

- Module 3: Risk-Based Asset Management (07:30 – 09:30)
  - How to assess asset risks and failure probabilities.
  - Tools for conducting failure analysis and risk assessments.
  - Identifying critical assets in the organization.
- Module 4: Root Cause Analysis (09:30 – 11:30)
  - Techniques for identifying root causes of asset failures.
  - How to conduct failure investigations and implement corrective actions.
  - Case studies of failure analysis and lessons learned.

### Day 3: Maintenance Strategies for Asset Integrity

- Module 5: Preventive and Predictive Maintenance (07:30 – 09:30)
  - The importance of preventive and predictive maintenance for asset integrity.
  - Developing maintenance schedules and strategies.
  - Using condition monitoring to predict asset performance.
- Module 6: Reliability-Centered Maintenance (09:30 – 11:30)
  - Overview of reliability-centered maintenance (RCM).
  - How RCM improves asset availability and reduces downtime.
  - Implementing RCM in asset management strategies.

### Day 4: Advanced Techniques in Asset Integrity Management

- Module 7: Condition-Based Monitoring (07:30 – 09:30)
  - Introduction to condition-based monitoring techniques.
  - Using sensors and diagnostics to track asset health.
  - Developing condition-based maintenance plans.
- Module 8: Asset Integrity Tools and Technologies (09:30 – 11:30)
  - Overview of tools for asset integrity management (software, sensors, etc.).
  - Implementing AI and IoT technologies for asset monitoring.
  - Benefits of digital transformation in asset management.

### Day 5: Asset Integrity Management Implementation and Best Practices

- Module 9: Asset Integrity Management Systems (07:30 – 09:30)
  -

Developing an asset integrity management framework.

- Key components of an effective asset integrity management system.
- Case studies of successful asset integrity programs.
- Module 10: Best Practices and Future Trends (09:30 – 11:30)
- Best practices in asset management and integrity improvement.
- The future of asset management with emerging technologies.
- Wrap-up and Q&A session for final course review.

### Certification

Participants will receive a Certificate of Completion in Asset Integrity & Availability Improvement, validating their expertise in managing and enhancing asset integrity, ensuring reliability, and implementing effective maintenance strategies for improved asset availability.

### 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.

<p><b>In-House / Customized Training</b></p> <p>Interested in running this course for your team?</p> <p>Please contact us:</p>	<p>TEL:</p> <p><b>+601116373203</b></p>	<p>EMAIL:</p> <p><b>info@mawaevents.net</b></p>
--	---	---

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.