MAWA EVENTS

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

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

OPERATIONAL INTEGRITY MANAGEMENT

""Ensuring Safe, Reliable, and Sustainable Operations through Systematic Risk and Integrity Control""

Schedule

Date	Venue	Fees (Face-to-Face)
19 – 23 Oct 2026	London – UK	USD 3495 per delegate

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

Introduction

Operational integrity is the backbone of safe, reliable, and cost-effective industrial performance. It encompasses a structured approach to managing risk, maintaining asset reliability, and ensuring compliance across operations. As regulatory pressures grow and stakeholder expectations rise, organizations must embed operational integrity into every layer of their systems and processes.

This 5-day intensive course delivers a comprehensive framework for implementing and enhancing Operational Integrity Management Systems (OIMS). Participants will gain hands-on tools, best practices, and global benchmarks to prevent incidents, reduce downtime, and build a culture of operational discipline and sustainability.

Objectives

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

- Understand the core principles and components of Operational Integrity Management
- Apply risk-based approaches to manage safety, reliability, and compliance
- Design and implement an effective OIMS framework aligned with ISO, API, and OSHA guidelines
- Identify and control operational hazards and performance vulnerabilities
- Measure, monitor, and continuously improve operational integrity performance

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Why Attend

- Enhance safety and reliability while reducing operational risks
- Ensure regulatory compliance and avoid major incident liabilities
- Strengthen internal governance and performance accountability
- Implement best practices from global OIMS frameworks (e.g., API RP 754, ISO 55000, OSHA PSM)
- Equip yourself with practical tools for hazard control and performance improvement

Target Audience

This program is designed for:

- Operations and Maintenance Managers
- Health, Safety, and Environment (HSE) Professionals
- Asset Integrity and Reliability Engineers
- Plant Superintendents and Technical Leads
- Quality, Risk, and Compliance Officers

Individual Benefits

Key competencies that will be developed include:

- Operational risk identification and mitigation
- Integration of safety, asset reliability, and compliance frameworks
- Leading audits, reviews, and root cause investigations
- Developing KPIs for integrity performance monitoring
- Leadership in safety culture and operational excellence

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved asset uptime and equipment reliability
- Reduction in operational incidents and regulatory nonconformities
- Enhanced organizational resilience and sustainability
- Stronger integration of safety, maintenance, and compliance systems
- Better performance tracking and decision-making based on risk data

Instructional Methodology

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

- Strategy Briefings – Operational integrity frameworks, regulatory alignment, and industry trends
- Case Studies – Lessons from major operational incidents and successful OIMS programs
- Workshops – Risk registers, control barriers, and integrity assurance planning
- Peer Exchange – Cross-industry discussions and benchmarking
- Tools – Integrity dashboards, audit checklists, gap analysis templates

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Course Outline

DETAILED 5-DAY COURSE OUTLINE

Training Hours: 07:30 AM – 03:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Operational Integrity Management Systems (OIMS)

- Module 1: Defining Operational Integrity (07:30 – 09:30) • Core concepts and drivers of integrity management • Overview of industry standards and frameworks (ISO 55000, API RP 754)
- Module 2: Elements of OIMS Frameworks (09:45 – 11:15) • Structure and functions of OIMS models • Leadership, culture, and governance in operational integrity
- Module 3: Operational Risk Identification (11:30 – 01:00) • Types of risks: process, asset, compliance, human error • Tools: HAZID, HAZOP, bowtie analysis
- Module 4: Workshop – Operational Hazard Mapping (02:00 – 03:30) • Interactive mapping of risks and controls across a sample process

Day 2: Asset Integrity and Reliability Fundamentals

- Module 5: Asset Integrity Management Systems (07:30 – 09:30) • Failure modes, criticality analysis, and lifecycle planning • Inspection, testing, and monitoring strategies
- Module 6: Maintenance and Reliability Engineering (09:45 – 11:15) • Preventive vs. predictive maintenance • RCM, FMEA, and reliability metrics
- Module 7: Integration of Operations and Engineering (11:30 – 01:00) • Collaboration between operations, maintenance, and engineering • Linking reliability and production KPIs
- Module 8: Workshop – Critical Equipment Integrity Plan (02:00 – 03:30) • Developing reliability strategies for high-risk equipment

Day 3: Safety, Compliance, and Human Factors

- Module 9: Process Safety and Regulatory Compliance (07:30 – 09:30) • OSHA PSM, Seveso III, and other regulatory frameworks • Control of Major Accident Hazards (COMAH)
- Module 10: Incident Prevention and Management (09:45 – 11:15) • Near miss reporting, root cause analysis, and corrective actions • Barrier models and safety case documentation
- Module 11: Human Factors in Operational Integrity (11:30 – 01:00) • Fatigue, shift work, human error, and safety culture • Behavior-based safety (BBS) integration
- Module 12: Workshop – Incident Simulation and RCA (02:00 – 03:30) • Group exercise to investigate and analyze a mock operational failure

Day 4: Performance Monitoring and Assurance

- Module 13: Integrity KPIs and Dashboards (07:30 – 09:30) • Leading vs lagging indicators • Performance metrics for process safety, maintenance, and compliance
- Module 14: Auditing and Assurance Mechanisms (09:45 – 11:15) • Designing and conducting operational audits • Gap analysis and integrity assessments
- Module 15: Data-Driven Integrity Decisions (11:30 – 01:00) • Using CMMS, SCADA, and analytics for decision-making • Integration with risk and performance systems
- Module 16: Workshop – Operational Integrity Scorecard (02:00 – 03:30) • Building a multi-factor scorecard for integrity evaluation

Day 5: Implementation, Change Management, and Final Review

- Module 17: OIMS Implementation Roadmap (07:30 – 09:30) • Phased rollout, change management, and stakeholder engagement • Training, documentation, and competency frameworks
- Module 18: Lessons from Industry Case Studies (09:45 – 11:15) • Review of successful integrity programs in oil, gas, and manufacturing
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Module 19: Final Integrity Review & Action Planning (11:30 – 01:00) • Participant-led summary and application planning

- Module 20: Feedback, Wrap-Up, and Certification (02:00 – 03:30) • Certificate distribution and closing session

Certification

Participants will receive a Certificate of Completion in Operational Integrity Management, validating their ability to implement and manage comprehensive integrity systems that enhance operational safety, reliability, and compliance.

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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