

ISO 55000 & RISK-BASED ASSET MANAGEMENT MASTERCLASS

“Build a Resilient Asset Strategy Aligned with ISO 55000 and Risk-Based Best Practices”

Schedule

Date	Venue	Fees (Face-to-Face)
24 - 28 Aug 2026	London, UK	USD 3495 per delegate
06 - 10 Sep 2026	Kuwait	USD 3495 per delegate

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

Introduction

Asset-intensive organizations must balance performance, cost, and risk while managing complex infrastructure and equipment portfolios. The ISO 55000 standard provides a globally recognized framework for aligning asset management with business objectives and risk controls.

This 5-day masterclass offers a comprehensive and practical guide to implementing ISO 55000 principles, integrated with risk-based decision-making. Participants will learn how to optimize asset value, extend lifecycle performance, and align asset governance with enterprise goals.

Objectives

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

- Understand ISO 55000 standards, clauses, and implementation strategies
- Apply risk-based thinking to asset planning and decision-making
- Develop and maintain a Strategic Asset Management Plan (SAMP)
- Design an Asset Management System (AMS) aligned with ISO 55001
- Use lifecycle costing and reliability metrics to optimize performance
- Conduct maturity assessments and continuous improvement audits

Why Attend

- Align asset performance with strategic business outcomes
- Minimize asset-related risk using international best practices
- Improve reliability, availability, and lifecycle value of assets
- Learn how to audit and maintain ISO 55001 compliance
- Build a strategic roadmap for sustainable asset management

Target Audience

This course is ideal for:

- Asset Managers and Engineers
- Maintenance & Reliability Professionals
- Risk Managers and Auditors
- Operations Managers and Plant Supervisors
- Strategic Planners and Investment Managers
- Anyone involved in ISO 55000 implementation or certification

Individual Benefits

Participants will develop skills in:

- Risk-based asset decision-making
- Strategic asset management planning (SAMP)
- ISO 55001 implementation and internal auditing
- Reliability-centered asset analysis and optimization
- Stakeholder engagement and cross-functional asset governance

Organizational Benefits

Organizations will benefit from:

- Improved return on asset investment (ROAI)
- Risk mitigation across critical infrastructure
- Enhanced regulatory and compliance readiness
- Streamlined lifecycle cost management
- Stronger alignment between asset performance and business strategy

Instructional Methodology

This masterclass follows an expert-led, interactive learning model:

- Strategy Briefings – Deep dives into ISO 55000 clauses, policies, and system design
- Case Studies – Global applications of ISO 55001 in public and private sectors
- Workshops – Real-time development of asset registers, SAMPs, and risk maps
- Peer Exchange – Industry challenges and collaborative solution development
- Tools – ISO 55001 checklists, asset risk templates, and maturity models

MAWA EVENTS

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Course Outline

Detailed 5-Day Course Outline

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

Day 1: ISO 55000 Framework & Asset Management System Design

- Module 1: Introduction to ISO 55000 & Asset Management Principles (07:30 – 09:30)
- Scope, terms, and concepts of ISO 55000
- Value realization through asset management
- Module 2: Overview of ISO 55001 Requirements (09:45 – 11:15)
- Key clauses: leadership, planning, support, operations
- Module 3: Designing an Asset Management System (11:30 – 01:00)
- Building your AMS aligned with ISO 55001
- Module 4: Workshop – Asset Management Policy Development (02:00 – 03:30)

Day 2: Strategic Asset Management Planning (SAMP)

- Module 1: SAMP – Structure and Content (07:30 – 09:30)
- Linking asset strategy to business objectives
- Module 2: Asset Lifecycle Management (09:45 – 11:15)
- Phases: acquisition, operation, renewal, disposal
- Module 3: Asset Criticality & Hierarchies (11:30 – 01:00)
- Prioritization and risk-based planning
- Module 4: Workshop – Drafting a SAMP Outline (02:00 – 03:30)

Day 3: Risk-Based Asset Decision-Making

- Module 1: Risk Identification & Assessment Methods (07:30 – 09:30)
- Failure modes, risk matrices, and heat maps
- Module 2: Reliability and Condition Monitoring (09:45 – 11:15)
- RCM, FMEA, and predictive diagnostics
- Module 3: Risk-Based Prioritization Techniques (11:30 – 01:00)
- Cost-risk optimization and resource allocation
- Module 4: Workshop – Building an Asset Risk Register (02:00 – 03:30)

Day 4: Performance Measurement & Lifecycle Costing

- Module 1: Key Asset Management KPIs (07:30 – 09:30)
- Reliability, availability, maintainability, and utilization
- Module 2: Lifecycle Costing & Investment Planning (09:45 – 11:15)
- Tools for cost forecasting and decision support
- Module 3: Internal Audit & Compliance with ISO 55001 (11:30 – 01:00)
- Audit planning, non-conformance handling, and reporting
- Module 4: Workshop – KPI Dashboard Development (02:00 – 03:30)

Day 5: Implementation, Maturity & Continuous Improvement

- Module 1: ISO 55001 Certification Roadmap (07:30 – 09:30)
- Readiness checklist, certification process, auditor expectations
- Module 2: Asset Management Maturity Assessment (09:45 – 11:15)
- Gap analysis, maturity models, and improvement planning
- Module 3: Change Management & Leadership Engagement (11:30 – 01:00)
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Embedding a performance-based asset culture

- Module 4: Final Group Presentations & Wrap-up (02:00 – 03:30)

Certification

Upon completion, participants will receive a Certificate of Completion in ISO 55000 & Risk-Based Asset Management, validating their capabilities in designing, managing, and auditing ISO 55001-aligned asset management systems.

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