ISO 55001 Lead Implementer Asset Management Training

3 – 7 January 2027
Johannesburg

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Overview

Organizations operating complex physical assets require disciplined management frameworks to align capital investment, maintenance operations, and lifecycle risk with strategic enterprise goals. This ISO 55001 Lead Implementer Asset Management Training equips practitioners with the practical expertise needed to establish, deploy, evaluate, and sustain an Asset Management System aligned with the requirements of ISO 55001:2024. Participants examine practical strategies to translate corporate intentions into actionable asset objectives, govern cross-functional responsibilities, and formulate a Strategic Asset Management Plan. The curriculum examines asset lifecycle planning, information architecture, predictive actions, operational controls, and performance metrics to support certification readiness. This course is delivered by Agile Leaders Training Center.

Who Should Attend

- Asset management directors, departmental heads, and programme leaders responsible for enterprise physical infrastructure.
- Maintenance and reliability managers seeking to embed structured lifecycle governance across operational facilities.
- Engineering, technical, and operations supervisors guiding asset renewal, maintenance, and modification projects.
- Risk, compliance, and quality specialists establishing internal assurance mechanisms for asset management conformity.
- Project managers and internal audit personnel assigned to lead an ISO 55001 implementation programme.

Targeted Departments and Industries

This programme delivers operational value across capital-intensive sectors and operational units:

- Asset Management, Engineering, and Capital Projects
- Operations, Maintenance, and Reliability Engineering
- Quality Assurance, Enterprise Risk, and Governance
- Energy, Power Generation, and Water Utilities
- Oil and Gas Extraction, Refining, and Processing Facilities
- Rail Networks, Highway Infrastructure, and Maritime Ports
- Industrial Manufacturing and Facilities Management

Learning Objectives

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

- Interpret ISO 55001:2024 requirements through an applied implementer perspective.
- Establish the business case, charter, and governance structure for an Asset Management System.
- Analyze stakeholder requirements and define the operational boundaries and scope of the management system.
- Formulate an asset management policy and construct a Strategic Asset Management Plan.
- Establish value-focused and risk-informed decision-making criteria across asset lifecycles.
- Deploy operational controls, outsourced service management frameworks, and change management procedures.
- Establish asset performance indicators, conduct management reviews, and facilitate internal audits.
- Structure nonconformity workflows, predictive actions, and continual improvement initiatives.
- Prepare an enterprise for an ISO 55001 certification audit.

Course Agenda

Day 1: Implementation Initiation and System Scope

- ISO 55000 family structure and asset management principles
- Interpreting the updated requirements of ISO 55001:2024
- Evaluating organizational context, asset portfolios, and stakeholder requirements
- Establishing the business case and leadership commitment for system deployment
- Defining the boundaries and operational scope of the Asset Management System
- Structuring the project implementation charter and implementation team roles

Day 2: Strategic Planning and Asset Governance

- Translating strategic organizational objectives into asset management objectives
- Drafting the asset management policy and leadership governance mechanisms
- Developing the Strategic Asset Management Plan architecture
- Establishing risk assessment matrices and value-based decision criteria
- Balancing capital investment, operational expenditure, and performance targets
- Formulating individual asset portfolio plans and lifecycle renewal strategies

Day 3: Operational Controls and Enablers

- Assigning cross-functional competence, resource allocation, and responsibilities
- Structuring asset information architecture and data quality controls
- Implementing asset life cycle planning across acquisition, operation, and disposal
- Establishing operational procedures, maintenance protocols, and contingency controls
- Managing supplier contracts, service agreements, and outsourced asset activities
- Deploying change management procedures for asset modifications and process shifts

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Day 4: Performance Evaluation and System Assurance

- Designing technical, financial, and operational performance indicators
- Establishing condition monitoring, risk tracking, and measurement protocols
- Developing internal audit programmes and audit checklists for ISO 55001
- Facilitating management reviews and executive governance reporting
- Conducting root cause analysis on nonconformities and asset failures
- Instituting corrective action processes and data-driven predictive actions

Day 5: Continual Improvement and Audit Readiness

- Embedding continual improvement mechanisms across asset management workflows
- Preparing organizational evidence and documented information for audit verification
- Conducting pre-certification gap assessments and closing compliance findings
- Navigating the stages of an ISO 55001 certification audit
- Examining implementer competency domains and practical scenario applications
- Reviewing implementation roadmaps and post-course action plans

Practical Implementation Activities

Participants complete applied implementation assignments to build real-world execution artifacts.

- Suggested activity: Draft an organizational context register and determine Asset Management System boundaries.
- Suggested activity: Construct a Strategic Asset Management Plan framework connecting business goals to operational priorities.
- Suggested activity: Design an asset lifecycle risk matrix using risk-based decision-making criteria.
- Suggested activity: Develop an internal audit checklist covering operational controls and outsourced services.

Frequently Asked Questions

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

Participants should have a basic understanding of asset management principles and concepts. Experience in maintenance, engineering, operations, facilities, risk management, finance, or management systems will help participants apply the implementation requirements more effectively. No formal certification is required merely to attend the course.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4–5 hours, with breaks and interactive activities included. The total course duration spans five days, approximately 20–25 hours of instruction.

What is the difference between an asset management plan and a Strategic Asset Management Plan?

The Strategic Asset Management Plan establishes the high-level relationship between organizational objectives and asset management objectives. It defines the organization's strategic direction, decision criteria, priorities, governance arrangements, and approach to achieving value from assets. Individual asset management plans translate this strategic direction into specific activities, responsibilities, resources, schedules, operating controls, maintenance programmes, renewal decisions, and performance indicators for particular asset portfolios or asset groups.

Implementation Architecture

Executing an Asset Management System requires integrating operational engineering practices with corporate strategy, capital budgeting, and risk governance. By developing a structured Strategic Asset Management Plan, enforcing robust operational controls, and establishing proactive performance metrics, organizations establish sustainable value realization across complex physical assets and maintain complete audit readiness.