MERCURY

ISO 55000 Asset Management Systems

22 – 26 March 2027
Washington DC (USA)



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Ref: 16435_1020568 **Date:** 22 – 26 March 2027 **Location:** Washington DC (USA) **Fees:** 8300 Euro

Introduction:

The ISO 55000 Asset Management Systems course provides an understanding of the international standards governing effective asset management practices. This program explores the principles, terminology, and requirements of ISO 55000, ISO 55001, and ISO 55002, helping participants align organizational objectives with asset management strategies. It emphasizes the integration of value, performance, and risk-based approaches to achieve sustainable asset management outcomes.

Participants will gain a deep insight into designing, implementing, and maintaining an ISO-compliant asset management framework. The ISO 55000 Asset Management Systems program further focuses on optimizing lifecycle management, enhancing decision-making, and improving operational efficiency. Through structured theoretical learning and real-world analysis, participants will build a strong foundation in ISO 55000 principles and their application across diverse industries.

Targeted Groups:

This ISO 55000 Asset Management Systems training targets professionals seeking specialized knowledge and skills:

- Asset management professionals and coordinators.
- Maintenance and reliability engineers.
- Quality and compliance officers.
- Operations and production managers.
- Risk management and assurance specialists.
- Project and facilities managers.
- Auditors and consultants implementing ISO standards.
- Professionals responsible for organizational performance improvement.

Course Objectives:

Participants will achieve the following objectives by completing the ISO 55000 Asset Management Systems course:

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- Understand the fundamental concepts and principles of ISO 55000 and its related standards.
- Learn how to establish and maintain an asset management system aligned with ISO 55001 requirements.
- Identify the interrelationship between asset value, performance, risk, and cost optimization.
- Acquire methods to align asset management strategies with organizational goals.
- Develop knowledge to conduct ISO 55000 internal audits and performance evaluations.
- Gain insights into lifecycle asset management, strategic planning, and continuous improvement.
- Understand compliance, documentation, and reporting structures for asset management systems.
- Enhance organizational value creation through data-driven asset management practices.

Targeted Competencies:

Participants will gain the following competencies during the ISO 55000 Asset Management Systems program:

- Mastery of ISO 55000 concepts, structure, and terminology.
- Skills to develop and manage ISO 55001-compliant frameworks.
- Capability to analyze asset performance metrics effectively.
- Competence in integrating risk and value-based decision-making.
- Knowledge of compliance, governance, and auditing procedures.
- Ability to apply asset lifecycle management and optimization techniques.
- Proficiency in assessing gaps and improving asset management maturity levels.

Studying Scenarios:

In this ISO 55000 Asset Management Systems training, participants will develop their skills through the analysis of the following scenarios:

- Implementing ISO 55001 in a manufacturing organization.
- Assessing asset management maturity and performance gaps.
- Conducting internal audits for compliance verification.
- Developing asset management policy and strategy frameworks.
- Evaluating lifecycle cost optimization for infrastructure assets.
- Aligning risk-based asset planning with business objectives.

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Course Content:

Unit 1: Understanding ISO 55000 Framework and Principles:

- Overview of ISO 55000, ISO 55001, and ISO 55002 standards.
- The purpose, scope, and benefits of implementing ISO 55000.
- Key definitions and terminology in asset management.
- The role of asset management in organizational performance and sustainability.
- Principles of value, alignment, leadership, and assurance.
- The asset management system AMS and its interaction with other management systems.
- Governance structures and stakeholder engagement in asset management.
- Case studies demonstrating effective ISO 55000 implementation.

Unit 2: Planning and Establishing an Asset Management System AMS:

- Understanding ISO 55001 requirements for system establishment.
- Defining organizational context, interested parties, and the scope of AMS.
- Developing asset management policies and strategic objectives.
- Creating an asset management plan and aligning it with business goals.
- Identifying and managing asset risks, costs, and performance indicators.
- Integrating asset management into strategic planning and operations.
- Setting measurable performance criteria and monitoring methods.
- Preparing documentation and record management under ISO 55001 guidelines.

Unit 3: Implementation and Operational Control:

- Translating asset management strategy into operational activities.
- Resource allocation and competence management in asset functions.
- Communication and awareness for effective system implementation.
- Operational control procedures for asset maintenance and reliability.
- Managing change and ensuring process consistency across departments.
- Utilizing technology and data analytics for asset performance improvement.
- Performance-based decision-making and optimization tools.
- Common implementation challenges and mitigation strategies.

Unit 4: Performance Evaluation, Auditing, and Continuous Improvement:

- Methods for monitoring, measuring, and analyzing AMS performance.
- Internal audit processes and compliance verification techniques.
- Management review and reporting requirements under ISO 55001.
- Key performance indicators KPIs and performance benchmarking.
- Identifying nonconformities and implementing corrective actions.
- Continuous improvement cycles within asset management systems.
- Enhancing maturity and resilience through improvement initiatives.
- Documentation of audit outcomes and improvement results.

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Unit 5: Integrating ISO 55000 with Organizational Strategy and Other Standards:

- Linking asset management to corporate governance and risk frameworks.
- Integration of ISO 55000 with ISO 9001, ISO 14001, and ISO 45001 systems.
- Strategic alignment between asset management and business excellence models.
- Leveraging ISO 55000 for sustainable development and value creation.
- Enhancing stakeholder trust through transparent asset reporting.
- Applying digital transformation and predictive technologies in AMS.
- Case examples of cross-standard integration for improved efficiency.
- Long-term benefits of ISO 55000 certification for organizations.

Final Insights & Key Takeaways:

The ISO 55000 Asset Management Systems course equips professionals with the tools and methodologies to build robust, value-driven asset management frameworks. Participants will gain actionable knowledge to implement sustainable and ISO-compliant asset management strategies that enhance organizational performance and resilience.