MERCURY

Maintenance Audit and Site Inspection Course

22 – 26 February 2027
Lisbon (Portugal)



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Ref: 9277_264078 **Date:** 22 – 26 February 2027 **Location:** Lisbon (Portugal) **Fees:** 6200 Euro

Introduction:

Asset & Maintenance Management can significantly contribute to a company's return on investment and output by realizing the best balance between realized performance availability, reliability, risk safety, image, compliance, and cost. We can only do that by ensuring our maintenance process is as effective and efficient as possible. But how do you do that in a hectic daily practice?

Therefore, asset and maintenance managers must strive to implement maintenance best practices. And have insight into the possible performance gaps and how risky they are.

Maintenance Audits & Site Inspections are vital enablers to identify performance gaps and hidden improvement potential with which you can realize higher performance against lower cost. Acquiring robust audit and assessment techniques is essential for every successful asset & maintenance manager.

This asset, maintenance audit, and site inspection course enables you to develop a powerful vision for improving asset and maintenance management and improve your abilities to successfully promote and adapt changes in the workplace.

In this asset, maintenance audit, and site inspection training, you will learn how to apply several audit & assessment techniques to assess the asset & maintenance management maturity and identify performance gaps. You will learn how to relate the assessment results to external benchmarks like PAS 55 and ISO 55000. You will understand how to transfer the assessment results into an action plan that improves the business continuity of the organization

Targeted Groups:

- Operations and Maintenance professionals.
- Asset Owners and Asset Managers.
- Maintenance Engineers and Business Improvement Leaders.
- All professionals involved in asset and maintenance management auditing.
- Quality and Compliance Managers.
- Lead Auditors and Audit Team Members.
- Anyone who wishes to update themselves on asset and maintenance assessments.

Course Objectives:

At the end of this asset, maintenance audit, and site inspection course, the participants will be able to:

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- Understand the added value of asset and maintenance management to the business process.
- Explain how maintenance audits are related to the asset management framework and why they are beneficial.
- Understand the basic principles of maintenance audits and site inspections.
- Apply assessment techniques to identify performance gaps and improve potential.
- Benchmark their maintenance organization against international world-class standards.
- Set up a concrete implementation plan based on assessment results.

Targeted Competencies:

By the end of this asset, maintenance audit, and site inspection course, the participant's competencies will be able to:

- Developing a powerful vision for maintenance improvement.
- Understanding how an audit fits in the asset management framework.
- Overview and practical application of maintenance audit techniques.
- Usage of international benchmark standards PAS 55 and ISO 55000.
- Transferring the assessment results into a concrete action plan for improvement.

What is Site Inspection and Maintenance Audit?

The site inspection and maintenance audit course delves into the critical aspects of asset maintenance and inspection. It covers the fundamental definitions and processes involved in asset maintenance, emphasizing the importance of regular inspections to ensure operational efficiency and safety.

Participants gain insights into the maintenance audit process, exploring how audits assess and enhance maintenance management practices. By completing this course, attendees earn a valuable certificate in site inspection, underscoring their expertise in site audits, inspections, and maintenance.

This asset, maintenance audit, and site inspection training equips professionals with the knowledge to optimize asset maintenance strategies and uphold industry standards.

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Course Content:

Unit 1: Asset and Maintenance Management Basics:

- Asset and Maintenance Management as a business process.
- Asset management landscape model - The Asset Management System.
- Strategy framework.
- Line of sight.
- Asset management policy, asset strategy, asset management strategy.
- Asset management objectives goal setting.
- Strategic Asset Management Plan.
- Measuring performance, feedback, and improvement.
- International standards on asset and maintenance management: PAS 55 and ISO 55000.
- Where does the maintenance audit fit in?

Unit 2: Best Practices in Asset and Maintenance Management:

- Risk management and risk-based maintenance concepts.
- RAMS - Systems Engineering.
- Whole Life Costing principles.
- Workflow management.
- Organization, people, and improvement.
- Performance monitoring - Key Performance indicators.

Unit 3: Maintenance Auditing Principles and Techniques:

- Auditing principles - from preparation to reporting.
- Process audit.
- Site inspection.
- Asset and Maintenance assessment - gap analysis.
- Certification audit for ISO 55000.
- Benchmarking.

Unit 4: Interpreting Audit Results and Implementing the Improvement:

- The performance gap - defining the goals.
- Finding improvement potential and actions.
- Defining work packages and improvement plans.
- Develop the business case - multi-criteria analysis.
- Implementation aspects and periodic auditing.
- How to make it work?
- Change management.

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Unit 5: Analysis of the Business - Business Goals:

- Preparing the audit.
- Execute the gap analysis.
- Define actions, work packages, and improvement plans.
- The business case - is it worth the money?
- Present your results to management.
- Evaluate the audit.

Conclusion:

In the asset maintenance, audit, and site inspection course, participants emerge equipped with comprehensive knowledge of the asset maintenance process and the critical link between maintenance and inspection.

They understand the nuanced definitions and principles of asset maintenance, enabling them to perform adequate maintenance audits. This asset maintenance, audit, and site inspection training offers a certificate in site inspection, validating proficiency in conducting site audits and inspections as part of maintenance management.

Graduates of this asset maintenance, audit, and site inspection course are well-prepared to optimize maintenance practices, ensure operational reliability, and comply with industry standards through rigorous inspection protocols.