MERCURY

Maintenance Auditing, Benchmarking & Performance Conference

12 – 16 July 2027
Johannesburg (South Africa)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Maintenance Auditing, Benchmarking & Performance Conference

Ref: 121340_1072677 **Date:** 12 – 16 July 2027 **Location:** Johannesburg (South Africa) **Fees:** 5300 Euro

Introduction

This conference focuses on maintenance auditing, benchmarking, and the use of performance measurement systems to drive continuous improvement. It introduces auditing methodologies, benchmarking design, and performance reporting aligned with organizational objectives. Attendees will learn how to convert audit and benchmarking results into prioritized strategies and measurable targets. The program demonstrates techniques for integrating benchmarking outputs into KPIs, the Maintenance Balanced Scorecard, and management reporting. It emphasizes data quality, comparative analysis, and translating insights into actionable improvement plans. The scope covers both internal benchmarking and broader industry studies to inform sustained performance gains.

Targeted Groups

This Maintenance Auditing, Benchmarking & Performance conference targets professionals seeking specialized knowledge and skills:

- Maintenance auditors and continuous improvement leaders.
- Reliability engineers and asset performance analysts.
- CMMS and data analytics specialists.
- Operations managers and plant reliability coordinators.
- Procurement and logistics planners involved with spares management.
- Senior managers seeking measurable maintenance performance insights.
- Consultants and benchmarking practitioners.
- Safety and quality officers measure process compliance.

Conference Objectives

Participants will achieve the following objectives by completing the Maintenance Auditing, Benchmarking & Performance conference:

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- Understand maintenance audit methodologies and structured assessment frameworks.
- Plan and execute comprehensive internal maintenance audits.
- Analyze audit findings to identify root causes and systemic gaps.
- Design benchmarking studies tailored to organizational objectives and capacity.
- Compare processes and KPIs against industry peers to set realistic targets.
- Translate benchmarking data into prioritized improvement initiatives and timelines.
- Use performance measurement tools, including the Maintenance Balanced Scorecard.
- Implement corrective actions and monitor their impact on maintenance metrics.
- Develop reporting formats that communicate maintenance value to stakeholders.
- Lead cross-functional teams to sustain improvements and share best practices.
- Prepare participants to design continuous benchmarking cycles for long-term gains.
- Apply data analytics to enhance benchmarking accuracy and trend forecasting.

Targeted Competencies

Participants will gain the following competencies during the program:

- Conduct methodical maintenance audits and document findings clearly.
- Develop and run benchmarking studies with appropriate selection criteria.
- Interpret benchmarking results and translate them into objectives.
- Design performance indicators and balanced scorecards for maintenance.
- Use CMMS and analytics to extract reliable performance data.
- Prioritize improvement actions using risk and cost-benefit analyses.
- Prepare professional audit reports and stakeholder presentations.
- Lead teams to implement benchmarking-driven changes and monitor results.
- Ensure compliance and continuous monitoring of corrective measures.
- Embed a culture of measurement, learning, and continual improvement.

Studying Scenarios

In this training, participants will develop their skills through the analysis of the following scenarios:

- Designing a benchmarking study across multiple plants with varying maturity.
- Performing an audit to uncover latent process failures and inefficiencies.
- Converting audit and benchmarking outputs into an actionable improvement roadmap.
- Applying data normalization techniques to compare heterogeneous datasets.
- Presenting performance dashboards to executive teams and securing buy-in.
- Monitoring post-implementation KPIs to validate benchmarking assumptions.
- Scaling pilot improvements across operations while controlling risks.

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Conference Content

Unit 1: Introduction and Foundation Concepts

- The maintenance management environment and the need for improvement.
- An overview of various approaches to maintenance improvement.
- Introduction to maintenance auditing and benchmarking.
- Using auditing and benchmarking to drive improvement.
- Implementing sustainable approaches to improvement.

Unit 2: Maintenance Auditing

- The maintenance auditing process.
- Maintenance auditing methodology.
- Conducting a maintenance audit.
- Interpreting audit results.
- Using auditing to drive improvement.

Unit 3: Maintenance Auditing and Benchmarking

- Using the maintenance audit for internal benchmarking.
- Designing a customized maintenance audit process.
- The maintenance benchmarking process.
- Maintenance benchmarking methodology.
- Designing and preparing for a benchmarking study.

Unit 4: Maintenance Benchmarking and Performance Measurement

- Conducting a maintenance benchmarking study.
- Integrating benchmarking results in improvement and objective-setting processes.
- Reporting results of benchmarking and auditing studies.
- Developing key performance measures for maintenance.
- The Maintenance Balanced Scorecard.

Unit 5: Integrating Maintenance Auditing and Benchmarking

- Integrating maintenance auditing and benchmarking with performance measurement systems.
- Using results to establish objectives and strategies for improvement.
- Monitoring the implications of performance improvement in maintenance management.

Final Insights & Key Takeaways

Attendees will gain practical skills in auditing, benchmarking, and performance measurement to drive continuous maintenance improvement. They will be able to translate data into actionable strategies that enhance asset reliability and organizational performance.