MERCURY

Achieving CMMS Data Integrity for the
Oil and Gas Industry

29 Dec 2024 - 02 Jan 2025
Dubai (UAE)

Achieving CMMS Data Integrity for the Oil and Gas Industry

Ref.: 15540_314019 **Date:** 29 Dec 2024 - 02 Jan 2025 **Location:** Dubai (UAE) **Fees:** 4500 Euro

Introduction:

Many new CMMS data builds need to be performed more adequately or frequently, and companies upgrade their CMMS and upload legacy data to the new version. The data build is often outsourced to engineering consultants or companies specializing in this activity. The primary reason for a lack of CMMS data integrity is a need for standards and guides. Hence, the people involved do what they think is the right way, but everyone has different ideas about CMMS integration.

This CMMS data integrity in oil and gas course delegates the best practices for building CMMS data during the preoperational phase and how to carry out major equipment and spare data clean-ups, especially regarding the oil and gas industry software. It provides a structured approach to all aspects of data builds for new builds and shows how to carry out critical reviews of current CMMS Data. It shows quality checks and how to transfer legacy systems.

Understanding how to achieve data integrity is crucial, especially in the oil and gas industry, where data oil and gas play a critical role in operations. Achieving and maintaining data integrity involves strict adherence to best practices in CMMS data entry, regular audits, and continuous improvement processes to address data anomalies.

Targeted Groups:

The CMMS data integrity in oil and gas training is intended for:

- Maintenance Personnel.
- Inventory Management Team.
- Asset Management Team.
- Data Analysts and Reporting Specialists.
- Cross-Functional Teams.

Training Objectives:

By the end of this CMMS data integrity in oil and gas training, the participants will be able to:

- Understanding CMMS Basics.
- Data Entry Best Practices.
- Data Integrity Principles.
- Maintenance of Data Quality.
- Security and Access Control.
- Reporting and Analysis.
- Hands-on Practice and Simulation.
- Ongoing Support and Evaluation.

Targeted Competencies:

Upon the end of this CMMS data integrity in oil and gas course, the participants will be able to:

- System Navigation.
- Data Entry.
- Data Validation.
- Troubleshooting.
- Data Interpretation.
- Root Cause Analysis.
- Performance Metrics.
- Regulatory Knowledge.
- Audit Preparation.
- Documentation.
- User Training.
- Collaboration.
- Reporting.
- Process Optimization.
- Feedback Incorporation.
- Adaptability.
- Access Control.
- Security Protocols.
- Record-keeping.
- Version Control.
- Accountability.
- Influence.
- Change Management.

Course Content:

Unit 1: Introduction to CMMS Data Build:

- Common problems with data build.
- Scope of CMMS Data & Process.
- CMMS version Upgrades and Critical Reviews.
- Which is the best tool, MS Excel or MS Access?
- Features of MS Access.
- Exercises spare cataloging.
- Introduction to MS Access tables, queries, and reports.

Unit 2: Maintenance & Spares Coding:

- Approaches to criticality for Equipment and Spares.
- Equipment class.
- Failure classes.
- Shutdown codes.
- WO Priority codes.
- Building the failure coding structure.
- Exercise Failure Code Structure.

Unit 3: Building the Asset Register:

- The building processes.
- Develop Guides and Standards.
- Naming and Numbering conventions.
- Maintainable Groups.
- Conducting quality checks.
- Equipment attribute.

Unit 4: Building the Spares Database:

- The building processes.
- Develop Guides and Standards.
- Naming and Numbering conventions.
- Conducting data quality checks.
- Determining inventory levels.
- Exercise building spares register.

Unit 5: Building the PM Data:

- Introduction including definitions.
- Maximo versus SAP - common terminology.
- Developing generic strategy guides, including those based on FMEA concepts.
- Writing effective tasks is good practice.
- Job Plan formats.
- Routes and Linking PMs to Tags.
- Quality checks.
- Exercise.

Registration form on the :
Achieving CMMS Data Integrity for the Oil and Gas Industry

code: 15540 **From:** 29 Dec 2024 - 02 Jan 2025 **Venue:** Dubai (UAE) **Fees:** 4500 **Euro**

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