

Oil and Gas Quality Management Systems Training Course

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Johannesburg

AGILE LEADERS
Training Center

Oil and Gas Quality Management Systems Training Course

Ref: 2045_250230 **Date:** 16 – 20 May 2027 **Location:** Johannesburg **Fees:** 6000 Euro

Overview

Oil and Gas Quality Management Systems Training Course is a one-week advanced course for quality practitioners, operations leaders, auditors, and technical specialists who leave with an Oil and Gas QMS Development and Maintenance Pack. Participants connect sector-specific QMS architecture, risk-based quality planning, supplier quality controls, documented information, internal audit, corrective action, management review, and continual improvement across product and service supply. Agile Leaders Training Center presents this course on oil and gas quality management systems.

Who Should Attend

- Functions responsible for quality management system design and governance
- Teams responsible for operational quality controls and process performance
- Personnel responsible for supplier qualification and external-provider assurance
- Groups responsible for internal audit and management-system evidence
- Technical specialists responsible for nonconformity and corrective action

The course assumes participants work with quality processes, operational controls, audits, or supplier evidence; it leaves out certification preparation and detailed product inspection techniques.

Departments and Industries

The course supports departments and industries that develop, operate, assure, or improve sector quality systems.

- Quality assurance and quality control departments
- Operations, engineering, and technical services functions
- Supply chain, procurement, and supplier quality teams
- Oil, gas, petroleum, and petrochemical organizations
- Equipment manufacturing and fabrication organizations
- Field services, logistics, and maintenance contractors

Learning Objectives

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

- Analyze sector requirements and define QMS scope
- Build process maps and documented-information controls
- Apply risk-based planning to suppliers and operations
- Evaluate quality indicators and internal audit evidence
- Diagnose nonconformities and prioritize corrective actions
- Build management review and improvement decisions

Course Agenda

Day 1: Frame the Sector Quality System

- ISO 29001:2020 and ISO 9001:2015 Relationship Map
- API Spec Q1 and API Spec Q2 Applicability Matrix
- QMS Scope and Organizational Context Canvas
- Interested-Party and Contract Requirement Register
- Oil and Gas QMS Architecture Blueprint

Day 2: Design Processes and Information Controls

- End-to-End Quality Process Interaction Map
- Process Ownership and Accountability Matrix
- Documented Information Lifecycle Register
- Quality Risk and Opportunity Assessment Sheet
- Quality Objective and Performance Indicator Tree

Day 3: Control Suppliers and Operations

- External-Provider Qualification Scorecard
- Supplier Quality Requirement Flow-Down Matrix
- Product and Service Realization Control Plan
- Operational Change Impact Review
- Traceability and Release Evidence Checklist

Day 4: Assure and Improve the QMS

- Risk-Based Internal Audit Program
- Audit Evidence and Finding Classification Sheet
- Nonconformity and Root Cause Evidence Chain
- Corrective Action Effectiveness Review
- Management Review and Improvement Dashboard

Day 5: Practice Oil and Gas QMS Decisions

- Suggested Exercise: Define a Sector QMS Scope
- Suggested Exercise: Map a Quality-Critical Process
- Suggested Exercise: Evaluate a Supplier Quality Case
- Suggested Exercise: Review Corrective Action Evidence
- Capstone Exercise: Present an Oil and Gas QMS Development and Maintenance Pack

Practical Exercises

The course uses suggested activities to convert sector requirements and operating evidence into maintainable quality-system decisions.

- Suggested activity: map the QMS scope, process boundaries, interested parties, contracts, and applicable product or service controls.
- Suggested activity: assess supplier risks, flow down quality requirements, and define qualification, monitoring, traceability, and release evidence.
- Suggested activity: classify audit findings, trace nonconformities to causes, and test corrective-action effectiveness.
- Suggested activity: present indicators, audit evidence, supplier performance, changes, actions, and improvement priorities for management review.

FAQs

Who suits oil and gas quality management systems training, and what does it assume?

Quality, operations, engineering, supplier assurance, audit, and technical functions suit the training. It assumes experience working with processes, controls, audits, suppliers, or quality evidence.

How does oil and gas QMS development differ from ISO foundation training?

Oil and gas QMS development builds an operating system around sector scope, risks, suppliers, realization controls, evidence, audits, corrective action, and review. Foundation training primarily introduces a standard's concepts and requirements.

How should organizations choose among oil and gas quality system references?

Organizations should assess their products, services, contracts, customer requirements, supply-chain role, and risk profile before mapping the relevant quality-system references into one controlled architecture.

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How does supplier quality fit an oil and gas QMS?

Supplier quality connects qualification criteria, requirement flow-down, risk controls, performance monitoring, change notification, verification, traceability, and release evidence to the organization's process and contract requirements.

How is continual improvement maintained in an oil and gas QMS?

Continual improvement is maintained by linking indicators, audits, nonconformities, root causes, corrective-action effectiveness, supplier performance, operational changes, and management-review decisions to owned improvement actions.

Conclusion

Participants take an Oil and Gas QMS Development and Maintenance Pack back to their organization. It connects sector references, scope, processes, documented information, quality risks, supplier controls, operational evidence, audits, corrective actions, and management review. Teams can use the pack to assign ownership, maintain controls, challenge evidence, and prioritize continual improvement.