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COURSE BROCHURE

Oil and Gas Quality Management System Implementation Training Course

31 May – 4 June 2027
Rome

Oil and Gas Quality Management System Implementation Training Course

Ref: 1725_63241 **Date:** 31 May – 4 June 2027 **Location:** Rome **Fees:** 7200 GBP

Oil and Gas Quality Management System Implementation is a 1-week training course for quality engineers and site quality leads who build the quality system of a field, plant or supply base, ending with a QMS implementation roadmap for their own asset. Operators and contractors now demand traceable proof that wells, pipelines and process units are built and run as specified. Jupiter Prime Training delivers this oil and gas quality management system implementation course.

Why Oil and Gas Quality Management System Implementation Matters Now

Three pressures shape this subject today. Operators push quality requirements down long contractor and vendor chains, so a weak link at a fabrication yard surfaces later as a leak or a rework campaign. Ageing assets and leaner site crews mean procedures must be clear enough for rotating staff to follow. Clients audit suppliers more often and expect evidence rather than promises. Organisations that implement well catch defects at the hold point; others find them during commissioning. The course draws on the Plan-Do-Check-Act PDCA cycle, the process approach and risk-based thinking.

Who Gains Most from Oil and Gas Quality Management System Implementation

- Engineers who write quality procedures and process maps for operating sites
- Leads who qualify vendors and witness inspections at fabrication yards
- Coordinators who raise, track and close nonconformance reports
- Specialists who prepare evidence for management review meetings
- Project quality staff who manage contractor quality plans on capital work

An operator or contractor quality department gains most when its site, project and supplier quality staff attend together.

Oil and Gas Quality Management System Implementation Capabilities

Participants turn scattered procedures into a working system that links field activities, vendor controls and corrective action.

- Build a turtle diagram for a core operating process — the process owner
- Design an inspection and test plan with hold and witness points — the fabrication vendor
- Assess supplier capability with a risk-ranked qualification matrix — the procurement decision
- Apply root cause methods to a nonconformance report — the corrective action owner
- Specify quality indicators for a management review pack — the asset leadership
- Communicate an implementation sequence and gap closure plan — the site manager

Key Oil and Gas Quality Management System Implementation Terms

- Process map — a diagram showing the steps, inputs, outputs and owners of an activity.
- Inspection and test plan ITP — a document listing each check on an item, its acceptance criteria and witness.
- Hold point — a stage beyond which work cannot proceed until a named party inspects and releases it.
- Nonconformance report NCR — a record of a product or activity that fails a requirement.
- Corrective and preventive action CAPA — steps that remove the cause of a nonconformance.
- Material traceability — the ability to link a fitted component back to its heat number and mill test record.

Oil and Gas Quality Management System Implementation Day by Day

Day 1: Quality Pressures Across the Asset Chain

- Operator, Contractor and Vendor Quality Interfaces — Allocating Responsibility Along the Chain
- Cost of Poor Quality in Field Rework — Building the Case for Action
- PDCA Cycle and Process Approach — Framing the System Architecture
- Risk-Based Thinking for Operating Sites — Prioritising Where Controls Matter
- Baseline Gap Assessment Checklist — Measuring the Current System

Day 2: Mapping Field and Plant Processes

- Turtle Diagrams for Core Processes — Clarifying Inputs, Outputs and Owners
- Procedure and Work Instruction Hierarchy — Deciding What Crews Actually Need
- Document Control and Revision Rules — Keeping Rotating Staff on Current Versions
- Quality Objectives Linked to Process Measures — Choosing Indicators Per Process
- Management of Change Interfaces — Protecting the System During Modifications

Day 3: Supplier and Material Quality

- Vendor Qualification Matrix — Ranking Suppliers by Criticality and Capability
- Inspection and Test Plans with Hold Points — Releasing Fabricated Items
- Material Traceability and Mill Test Records — Accepting Pipe, Valves and Fittings
- Contractor Quality Plans — Aligning Subcontractor Controls with Operator Requirements
- Supplier Performance Scorecards — Renewing or Restricting Approved Vendors

Day 4: Nonconformance and Improvement Loops

- Nonconformance Report Workflow — Choosing Use-As-Is, Repair or Reject
- Five Whys and Fishbone Diagrams — Reaching the True Cause
- CAPA Tracking Register — Verifying Actions Actually Removed the Cause
- Internal Process Checks — Testing Whether Procedures Match Field Practice
- Management Review Inputs and Outputs — Steering Resources Toward Weak Processes

Day 5: Practising the QMS Implementation Roadmap

- Process Map Set for One Asset — Applying Day Two Mapping Methods
- Supplier Control Package — Applying Qualification, ITP and Traceability Rules
- NCR and CAPA Case Exercise — Applying Root Cause Methods to Field Failures
- Management Review Pack Draft — Selecting Indicators Leaders Will Act On
- QMS Implementation Roadmap — Sequencing Gap Closure for the Home Asset

Applying Oil and Gas Quality Management System Implementation After the Course

- Map one critical site process with a turtle diagram and agree its owner and indicators.
- Re-rank approved vendors with the qualification matrix and flag those needing witness inspection.

Oil and Gas Quality Management System Implementation Questions FAQ

What is oil and gas quality management system implementation and why does it matter now?

It is the work of turning quality requirements into mapped processes, supplier controls and corrective action loops on oil and gas assets. It matters now because long contractor chains and leaner crews let defects slip through unless the system is working in the field.

Which roles gain most from oil and gas quality management system implementation?

Quality engineers and site quality leads gain most. Supplier, NCR and project quality staff also benefit, as each owns part of the system.

How does oil and gas quality management system implementation differ from a quality auditor course?

This course builds and runs the system. An auditor course tests an existing system against requirements and reports findings.

What do you bring back from oil and gas quality management system implementation training?

You bring back a QMS implementation roadmap for your own asset, with a process map set, a supplier control package and a draft management review pack.

Oil and Gas Quality Management System Implementation: The Way Forward

The QMS implementation roadmap first informs which processes and vendors to bring under control in the coming quarter. Quality leads, process owners and procurement staff use it to sequence gap closure. After the first management review, revisit the indicators chosen and check whether nonconformance trends are shifting toward earlier detection.