ISO 45001 Internal Auditor Training for Oil & Gas

Service Objectives

Build confident internal auditors who verify control effectiveness in high-hazard oil and gas operations, not just procedural conformance.

- Distinguish paper compliance from field reality during audits.
- Translate ISO 45001 into risk-based criteria for hot work, confined space, SIMOPS, non-routine maintenance, and offshore lifting.
- Plan audits around material risks aligned to OSHAD and ADNOC Codes of Practice, permit windows, and isolations/LOTO.
- Interview multilingual contractor crews and triangulate evidence (documents, observation, interviews).
- Write clear, risk-ranked nonconformities linked to root causes and process safety KPIs.
- Close the loop: track corrective actions and verify effectiveness to strengthen barrier reliability and contractor performance.

> UAE alignment: integrates OSHAD, ADNOC COPs, Dubai Municipality and Civil Defence requirements; references API and IEC 61511 contexts for barrier design and maintenance.

Who This Service Is For

- Upstream, midstream, and downstream operators where occupational safety and process safety intersect.
- HSE managers/advisors, offshore installation managers (OIMs), rig/drilling/well services leaders, maintenance and turnaround coordinators, PTW authorities.
- Construction managers on brownfield works, pipeline integrity teams, and contractor HSE leads.
- QA/QC and operations personnel conducting internal compliance verification in restricted areas and SIMOPS.
- EPC/EPCM teams executing tie-ins and shutdown scopes within live assets.
- Operators maintaining certification and ADNOC/client requirements; line leaders engaged in layered audits.

Duration & Process Overview

Flexible delivery to fit rotations, permit windows, and shift coverage. Materials include annotated checklists, scenario packs, and reporting templates. Language support available.

Format	Focus	Typical Hours
2-day intensive	Theory, casework, targeted simulation	16 hours
3-day extended	Deeper scenarios, layered interviews, broader sampling across shifts	24 hours

Hybrid	Virtual theory plus one-day on-site practical aligned to PTW schedules	Blended

> Recommended cohort: 8–16 participants. Pre-course coordination confirms site access, PPE, roles, and schedule alignment with hot work windows, isolations, and crane operations.

Methodology

Scenario-rich learning that maps ISO 45001 clauses to oil and gas workflows, reinforced by live-sample reviews, field-verification practice, and a capstone mock audit with observed performance.

ISO 45001 in High-Hazard Operations

- Clause mapping to PTW, SIMOPS, and contractor controls using refinery/offshore examples.

Audit Planning & Techniques

- Risk-based scoping, sampling across shifts/contractors, layered interviews, and evidence triangulation.

Operational Scenarios & Case Studies

- Hot work, confined space, lifting, H2S, and SIMOPS walkdowns using annotated permits and JSAs/TRAs.

Mock Audit & Reporting

- Plan, conduct interviews, verify controls in the field, write NCRs, and run a closing meeting with action owners.

Phase	Objective / What It Covers	Duration / Deliverable
ISO 45001 in High-Hazard Operations	Map clauses to PTW, SIMOPS, contractor controls; refinery/offshore case review	3 hours; knowledge check quiz
Audit Planning & Techniques	Risk-based scoping, sampling, interviewing; evidence triangulation	3 hours; checklist build and role-play
Operational Scenarios	Hot work, confined space, lifting, H2S; evaluate permit packs, LOTO, gas tests	4 hours; evidence evaluation
Mock Audit & Reporting	Walkdown, interviews, NCR writing, closing meeting	4 hours; observed performance