Management Of Change Training for Oil & Gas

Service Objectives

- Recognise change triggers early and select proportionate risk study depth (screening, HAZID, mini-HAZOP, HAZOP/LOPA).
- Run a repeatable, auditable MoC workflow from initiation through safe start-up and close-out.
- Base decisions on current process safety information (P&IDs, PFDs, C&E matrices, datasheets, operating envelopes).
- Evaluate impacts on barriers and safeguards, including SIS/ESD per IEC 61511; manage overrides, impairments, and compensating controls.
- Integrate MoC with PTW, LOTO, isolations, leak testing, commissioning, and pre-start-up safety review.
- Improve decision quality and speed using role-specific checklists, approval matrices, and case-based templates.

> Aligned with UAE regulatory expectations (OSHAD, Dubai Municipality) and international references (API RP 75/1173, IEC 61511, ISO 45001, OSHA PSM) to strengthen audit readiness.

Who This Service Is For

- Frontline supervisors, control room/panel operators, I/E and mechanical leads, process/pipeline engineers, project managers, construction supervisors, turnaround planners, HSE advisors, and asset integrity specialists.
- Oil and gas assets across the UAE: offshore platforms and FPSOs; onshore gas processing and refineries; pipelines, terminals, and tank farms.
- Change types: engineering/procedural updates, SIS/ESD logic changes, temporary bypasses/overrides, vendor substitutions, equipment re-rating, organisational changes, SIMOPS-driven adjustments.
- Practice scenarios: compressor rerates, live-line tie-ins, metallurgy substitution in sour service, temporary flare restrictions, pigging upgrades, custody transfer meter changes, station bypasses.
- Built for 24/7 operations and rotations; supports on-site, virtual, and hybrid participation, including contractors.

Duration & Process Overview

- **Executive Governance** — 1 day. For asset leaders and approval authorities. On-site or virtual.
- **Practitioner Core** — 2 days. For operations, maintenance, engineering, and HSE roles. On-site/virtual/hybrid.
- **Advanced Workshop** — 3 days. For MoC coordinators, turnaround/SIMOPS planners, and projects. On-site with field elements.

Sessions are scheduled around shift changeovers; typical cohort size is 10–20 delegates; EN/AR delivery available. All formats include hands-on exercises, scenario work, and measurable outcomes.

Methodology

Scenario-led modules and applied workshops tailored to upstream, midstream, and downstream contexts. Each phase focuses on practical outputs ready for immediate site use.

Phase	Objective	Deliverable
Pre-course scoping	Tailor content to your assets, MoC procedure, and legacy HAZOPs.	Site-specific scenarios and materials.
Change recognition & triggers	Identify technical, procedural, organisational, and regulatory drivers.	Change trigger checklist.
Process safety information (PSI)	Gather and verify P&IDs, C&E, SIL files, datasheets, and envelopes.	PSI pack for the MoC.
Risk screening & study selection	Select screening, HAZID, mini-HAZOP, HAZOP/LOPA; link to QRA where relevant.	Risk register and study plan.
Safeguards & functional safety	Assess barrier integrity; manage SIS impacts per IEC 61511 and impairments/overrides.	Safeguard adequacy notes and actions.
PTW, isolations & SIMOPS interfaces	Integrate construction/turnaround plans with permits, LOTO, and SIMOPS controls.	Interface plan and permit requirements.
Temporary changes	Define, time-bound, and control compensating measures and reversion.	Temporary change log and controls.
Pre-start-up verification	Confirm commissioning readiness and shift handovers before authorisation.	PSSR checklist and sign-offs.
Documentation & close-out	Update drawings, procedures, and training; capture lessons learned.	Complete close-out pack (as-builts, updates, evidence).
Applied case workshops	Build and defend a full MoC for targeted oil and gas scenarios.	Team MoC package and presentation.