HAZOP Training UAE

Service Objectives

Outcome-focused training to plan, run, and document high-quality HAZOPs aligned to IEC 61882 and CCPS, tailored to UAE facilities and stakeholder expectations.

- Apply IEC 61882/CCPS-aligned HAZOP principles to UAE operations and projects.
- Define robust scope: nodes, boundaries, interfaces, and credible deviations.
- Facilitate and participate effectively using guidewords, causal chains, safeguards, and risk ranking.
- Produce clear, traceable actions that meet client and regulator expectations in the UAE.
- Integrate HAZOP with LOPA/SIL screening, MOC, and PSSR within your HSE management system.
- Optimise workshop logistics and data capture with purpose-built templates and software.

> **Key measurable benefits:** faster workshops without loss of rigour; clearer, non-duplicated actions; stronger audit trails for UAE regulators and client technical authorities; end-to-end linkage with LOPA/SIL, MOC, and PSSR; development of internal facilitators and scribes.

Who This Service Is For

- HSE managers, process safety leads, process/design engineers, operations supervisors, commissioning/start-up managers, maintenance/instrumentation engineers, project managers, EPC representatives.
- Team leaders, scribes, and discipline engineers expected to participate in or lead HAZOP workshops.
- Sectors: oil and gas (upstream/midstream/downstream), petrochemical, chemical manufacturing, power and utilities, water/wastewater, ports and logistics terminals, heavy manufacturing.
- Organisations planning FEED, detailed design, MOC, or PSSR, including brownfield modifications and shutdown/start-up activities.
- UAE multi-site operators seeking consistent, auditable HAZOP practices across Dubai, Abu Dhabi, and the Northern Emirates.

Duration & Process Overview

- Typical delivery: 2–3 days instructor-led; 1-day executive/participant refresher available.
- Schedule: 09:00–17:00; consecutive or split days to suit shifts and project timelines.
- Formats: on-site classroom, virtual instructor-led, or blended hybrid with e-learning primers.
- Cohort: recommended 8–16 (maximum 20); Arabic or English on request; pre-training scoping ensures site-specific scenarios.

Methodology

A sequenced, hands-on pathway from fundamentals to facilitation mastery, using real UAE process scenarios, P&IDs, procedures, and safeguarding narratives.

Phase	Objective	Deliverable
Pre-training Scoping	Needs analysis; review risk matrix/HSE procedures; collect anonymised P&IDs or narratives.	Tailored scenarios and assessment plan.
HAZOP Foundations (IEC 61882, CCPS)	Establish terminology, roles, scope; UAE-specific considerations.	Shared baseline + knowledge check.
Nodes, Guidewords & Deviations	Select nodes on P&IDs; set boundaries/interfaces; define credible deviations.	Node list and deviation set linked to P&IDs.
Cause–Consequence & Safeguards	Trace failure paths; identify IPLs; challenge safeguards.	Cause–consequence chains and safeguards register.
Risk Ranking & Action Quality	Apply risk matrices; write clear, owner-assigned, time-bound actions.	Prioritised action log with closure criteria.
Facilitation Skills & Scribing	Chairing, pace control, conflict resolution; high-fidelity minutes.	Role play outputs and live-capture minutes.
Integration with LOPA/SIL & PSSR	Identify trigger points for deeper analysis and pre-startup verification.	Linkage map to LOPA/SIL screening and PSSR.
Digital Tools & Records Management	Use registers/templates; version control; traceability; audit readiness.	Structured registers and controlled records.
Assessment & Certification	Knowledge check; team case study; documentation exercise; optional live facilitation.	NPM Certificate of Completion and evidence pack.