HAZOP Training Abu Dhabi

Service Objectives

- Equip teams to plan, facilitate, and participate in rigorous HAZOPs aligned to IEC 61882 and IEC 61511.
- Apply the method using real PFDs, P&IDs, control narratives, safeguarding philosophies, and operating procedures.
- Strengthen linkage to LOPA, SIL, alarm rationalisation, MoC, CMMS, and PSSR workflows with auditable action capture.
- Build facilitation and participation skills: pacing, bias control, credible scenario focus, and clear action recording.
- Differentiate design intent issues, operability concerns, human factors, and maintenance barriers to target true risk drivers.
- Improve design reviews, reduce engineering rework, and enhance barrier integrity in normal and upset conditions.

> Aligned to Abu Dhabi's regulatory and assurance context, including ADNOC expectations and OSHAD requirements, with localised case material from Ruwais, Mussafah, ICAD, and KIZAD.

Who This Service Is For

- Asset owners and EPCs operating in Abu Dhabi's industrial hubs: Ruwais, Mussafah, ICAD, KIZAD.
- Roles: operations/process engineers, I&C engineers, reliability/maintenance leads, HSE managers/advisors, commissioning/start-up teams, project managers, EPC design leads.
- Sectors: upstream, downstream, utilities, and major manufacturing where process safety reviews are mandatory.
- Organisations seeking consistency with ADNOC, OSHAD, and international good practice; building in-house facilitation capability.
- Typical use contexts: FEL/FEED design reviews, detailed engineering gates, MoC risk assessments, PSSR, and incident learnings integration.

Duration & Process Overview

- Awareness track: 1 day (on-site or virtual) for managers and approvers.
- Practitioner track: 2–3 days (on-site with exercises) for engineers and HSE advisors.
- Facilitator track: 4–5 days (blended with a coached session); mentored live HAZOP under NDA where justified.
- Hybrid and shift-friendly options: core theory online, followed by on-site exercises; split schedules aligned to Abu Dhabi time.

Methodology

Structured modules and coached practice tailored to Abu Dhabi operations and your project maturity.

Phase	Objective	Duration / Deliverable
Pre-training Scoping	Needs analysis; review of representative P&IDs, control narratives; design site-specific scenarios under NDA.	Scoping brief; tailored materials.
Foundations of HAZOP	Method principles, node selection, guidewords, deviation logic.	Exercises; reproducible deviation lists.
Engineering Artefacts	Hands-on with PFDs, P&IDs, control narratives, cause-and-effect, safeguarding philosophy.	Annotated drawings; checklist outputs.
Facilitation & Scribing	Facilitator cues, pacing, bias prevention, action recording conventions.	Role-play outputs; action register templates.
Risk Integration	Link HAZOP outcomes to corporate risk matrices, LOPA, SIL, alarm rationalisation as relevant.	Case exercises; linkage examples.
Abu Dhabi Compliance	Align with OSHAD requirements, ADNOC expectations, and PSSR ties.	Localised case studies.
Coached Live HAZOP (optional)	Mentored application on an active project gate under NDA.	Session outputs; performance feedback.
Assessment & Certification	Quizzes, role-play evaluation, case-based exercises to confirm competence.	Certificate of completion from NPM.
Materials Handover	Digital workbooks, templates, and action log formats aligned to your risk matrix and MoC workflow.	Customisable digital package.