HAZOP Training Dubai

Service Objectives

- Enable teams to apply IEC 61882-aligned HAZOP on real PFDs/P&IDs and narratives.
- Structure effective workshops: frame scope and boundaries, select nodes, and use guidewords well.
- Challenge assumptions, judge safeguard sufficiency and independence, and understand LOPA interfaces.
- Convert findings into prioritised, implementable actions with ownership and closure criteria.
- Produce auditable, traceable records meeting Dubai Municipality, Dubai Civil Defence, and free-zone EHS expectations.

Who This Service Is For

- Dubai operators in high-hazard environments: oil and gas terminals, petrochemicals, fuels storage/distribution, cement, steel, power and water utilities, EPC projects, and Jebel Ali–linked logistics hubs.
- Teams located in JAFZA, Dubai South, Dubai Industrial City, and the Jebel Ali Industrial Area.
- Roles including HSE managers, process safety and risk specialists, operations supervisors, panel operators, commissioning leads, and discipline engineers (process, mechanical, E&I, reliability).
- Project managers, EPC contractors, compliance/QA/QC, and internal audit functions building traceable HAZOP evidence.
- Participants and leaders in HAZID/HAZOP, Management of Change, PSSR, and incident investigations seeking method consistency.

Duration & Process Overview

Delivered onsite in Dubai or in blended formats. The pathway is offered as Awareness, Practitioner, Facilitator, and Custom options mapped to team maturity and operational schedules.

- Awareness (onsite, Dubai): 1 day; 12–20 delegates; knowledge checks and guided worksheet practice; workbook and templates provided.
- Practitioner (onsite or blended): 2 days; 8–16 delegates; scenario-based drills and graded capstone; case studies and action tracker formats.
- Facilitator (advanced, onsite): 3 days; 6–12 delegates; observed facilitation with peer feedback and rubric scoring; facilitation toolkit.
- Custom (sector-specific): 2–4 days; 6–14 delegates; tailored drills using client P&IDs; client-adapted templates and reporting formats.

> Scheduled around outages and MOC gates; a live workshop day can convert training into production-grade HAZOP outputs under NPM supervision. Recommended class size: 8–14. NPM issues a Certificate of

Completion with CPD hours and a unique ID; assessment evidences training performance, while statutory competency designation remains with the employer.

Methodology

A Dubai-focused, practice-heavy pathway combining foundational theory with coached facilitation on realistic local scenarios. Modules are mapped to reusable outputs (agendas, node lists, guideword sets, worksheets, action registers), and can incorporate your standards and risk matrices.

1) Principles of HAZOP

Purpose, scope, IEC 61882 alignment, and links to ISO 45001 process safety elements.

2) Drawing and Data Readiness

PFD/P&ID verification, line lists, cause-and-effect, and tag consistency checks.

3) Node Selection and Guideword Application

Practical rules for boundaries; avoiding over/under-scoping; effective guideword use.

4) Deviations, Causes, and Consequences

Energy sources, credible escalation paths, and realistic consequence framing.

5) Safeguards and IPLs

Independence, reliability, proof testing, and handover to LOPA where needed.

6) Recording and Action Management

Clear worksheets, categorisation, ownership, and closure evidence.

7) Facilitation Skills

Managing participation, timeboxing, dissent, and cognitive bias.

8) Dubai Case Studies

Tank farm transfer lines, vapour recovery, truck loading racks, and utility outages.

9) Capstone Exercise

End-to-end mini-HAZOP using client-provided or anonymised P&IDs with graded feedback.

Phase	Objective	Deliverable
Principles of HAZOP	Align on purpose, scope, and standard (IEC 61882) expectations.	HAZOP overview brief and workshop agenda template.
Drawing & Data Readiness	Verify inputs for completeness and consistency.	Checked PFD/P&IDs, line lists, and cause-and-effect sheets.
Node Selection & Guidewords	Define boundaries and choose effective guidewords.	Node list and tailored guideword set.
Deviations, Causes, Consequences	Identify credible paths and escalation scenarios.	Populated deviation worksheets.
Safeguards & IPLs	Assess independence and sufficiency; prepare for LOPA.	Safeguard register with IPL notes.

Recording & Actions	Capture outcomes clearly; assign owners and due dates.	Action tracker and closure criteria checklist.
Facilitation Skills	Manage dynamics, time, and bias during sessions.	Facilitation checklist and peer feedback notes.
Dubai Case Studies	Apply methods to local scenarios and constraints.	Worked examples (tank farms, VRUs, loading racks, utilities).
Capstone Exercise	Demonstrate end-to-end competence on real P&IDs.	Graded mini-HAZOP with rubric-based assessment.