Process Safety Management Training Abu Dhabi

Service Objectives

Outcome-oriented training that converts policy into front-line execution across Abu Dhabi facilities.

- Connect daily decisions to barrier integrity and major accident risk reduction.
- Apply HAZID/HAZOP insights, bowties, and LOPA basics to actual unit operations.
- Strengthen Management of Change, operating procedures, and competence to prevent loss of containment during startups, shutdowns, and maintenance.
- Embed permit-to-work rigour, energy isolation/LOTO, and SIMOPS coordination aligned with ADNOC Codes of Practice and OSHAD SF.
- Use leading indicators and barrier monitoring to verify control effectiveness and trigger timely corrective actions.
- Improve incident learning and tailor emergency preparedness to Abu Dhabi industrial zones, ports, and adjacent communities.

> Localised to Abu Dhabi contexts (Mussafah, ICAD, KIZAD, Ruwais) and aligned with OSHAD SF and ADNOC governance to enable immediate on-site application.

Who This Service Is For

- Operators in Abu Dhabi’s high-hazard sectors: oil and gas production, petrochemical manufacturing, power generation, heavy fabrication, and major logistics hubs.
- HSE managers targeting process safety incident reduction and stronger operational discipline.
- Plant managers preparing turnarounds and supervisors managing contractors in Mussafah and ICAD.
- Facilities under ADNOC group companies and sites within KIZAD or the Ruwais complex needing bowtie thinking, barrier assurance, safe isolations, and robust MoC.
- Contracting and EPC firms delivering brownfield/greenfield projects that require standardised permit-to-work, SIMOPS control, and interface management.
- Multi-site organisations mobilising teams across onshore and offshore assets with frequent work-package handovers.

Duration & Process Overview

- Foundational PSM Essentials — 1 day (8 hours); 12–18 delegates; on-site (Mussafah/ICAD) or client facility.
- Comprehensive PSM Programme — 3 days (24 hours); 10–16 delegates; on-site plus hybrid case clinics.
- Targeted Refreshers — 0.5–1 day; 12–20 delegates; on-site or live virtual.
- Leadership for Major Accident Risk — 4–6 hours; 8–12 leaders; executive workshop.

Hybrid delivery can support distributed teams (e.g., Ruwais, offshore islands, KIZAD terminals) with remote coaching and case review sessions.

Methodology

Modules are customised using your P&IDs, procedures, and recent incident learnings to ensure direct applicability.

Phase	Objective / What It Covers	Duration / Deliverable
Brief Needs Analysis & Scoping	Align objectives; gather P&IDs, procedures, and recent incidents; tailor to Mussafah, ICAD, KIZAD, Ruwais contexts.	Pre-delivery scoping; site-specific brief.
Core Concepts of Process Safety & MAH	Contrast occupational vs process safety; barrier models; Abu Dhabi-relevant case studies (refineries, terminals, chemical plants).	Foundation module; case study pack.
Hazard Identification, Bowties & Practical HAZOP Thinking	Recognise deviations; map threats, consequences, and barriers; establish a common risk language across operations, maintenance, and projects.	Applied exercises; unit-specific bowties.
Management of Change & Operating Procedures	MoC discipline, authority matrices, verification steps; translate procedures into executable checklists; include PSSR for modifications and temporary operations.	Checklists and MoC steps validated.
Permit-to-Work, Isolation/LOTO & SIMOPS	Use client isolation standards and permit forms; practise isolations, gas testing, and interface management for conflicting work scopes.	Practical drills; permit reviews.
Mechanical Integrity & Critical Equipment Strategy	Link RBI, integrity operating windows, and alarm management to barrier performance; focus on loss-of-containment prevention and escalation control.	Integrity focus actions; traceable outputs.
Incident Investigation, Learning & Barrier Health Indicators	Investigate beyond immediate causes; actionable recommendations; track leading indicators for barrier degradation aligned with OSHAD SF and ADNOC practices.	Investigation outputs; indicator set.
Assessment & Certification	Scenario-based evaluations, applied group exercises, and knowledge checks using client procedures and P&IDs.	NPM Certificate of Completion; assessment record.