Process Safety Management Training UAE

> Built for high-hazard UAE operations. Aligned to OSHAD, Dubai Municipality, Civil Defence, MOHRE and international standards. Certificates of completion are issued by NPM. Available in English and Arabic.

Service Objectives

- Hardwire practical risk controls into daily operations and verify critical safeguards under real conditions.
- Build competence in PSM pillars: leadership, HAZID/HAZOP/LOPA, safety-critical elements and performance standards, Management of Change, and learning from events.
- Apply barrier-based thinking and bowties to UAE-relevant operational scenarios to prevent escalation.
- Strengthen Control of Work (PTW), isolations, confined space, hot work and SIMOPS during turnarounds and projects.
- Integrate KPIs, critical control monitoring and assurance into routines and leadership walkdowns to convert policies into performance.

Who This Service Is For

- Organisations operating complex or high-hazard processes across refineries, gas processing, petrochemicals, utilities, heavy manufacturing, logistics hubs and EPC construction sites.
- HSE Managers, Process Safety Engineers and Compliance Officers overseeing Major Accident Hazard controls.
- Plant/Operations Managers, Production Supervisors and Control Room Engineers responsible for process stability and trip prevention.
- Maintenance/Asset Integrity Leads, Inspection/RBI Engineers and Reliability teams managing safety-critical equipment.
- Project/Construction Managers, Commissioning teams and Turnaround/Shutdown planners in brownfield interfaces, onshore and offshore.
- Teams managing ageing equipment, brownfield upgrades or new builds, seeking alignment with ISO 45001/14001, NFPA and Emirate-level frameworks (OSHAD, Dubai Municipality, MOHRE).

Duration & Process Overview

- 1-day awareness for leaders and contractors.
- 2–3 day practitioner series for supervisors and engineers.
- 5-day masterclass integrating HAZOP/LOPA fundamentals, barrier assurance and Control of Work.
- Blended programmes for multi-site rollouts (virtual theory, on-site practicums, capstone assessments); cohorts typically 10–18; delivery aligned with shift patterns, outages and commissioning windows.

Methodology

NPM delivers a modular, role-targeted approach that embeds client procedures and UAE-relevant scenarios, with practical assessment to evidence competence.

Phase	Objective	Deliverable
Needs Analysis	Map business risks and competency gaps by role and asset lifecycle.	Concise risk/competency profile and training plan.
Contextualisation	Integrate client PTW, LOTO, MoC and PSSR; use UAE-centric scenarios.	Tailored syllabus, case studies and role-based exercises.
Modular Delivery	Build capability via targeted modules and interactive methods.	Instructor-led sessions, workshops, role-plays and templates.
Field Application	Embed procedural discipline, verification routines and shift handover.	Barrier checks, critical control ownership and escalation protocols.
Assessment & Certification	Verify competence through scenarios and a practical capstone.	NPM certificate of completion; evidence for audits and assurance.

Core Modules (Delivered as Needed)

- PSM Foundations: pillars, risk culture and UAE regulatory context.
- Hazard Identification: HAZID, HAZOP and bowtie/LOPA basics.
- Barrier & Critical Controls: SCEs, performance standards and verification.
- Control of Work: PTW, isolations, SIMOPS, confined space and hot work.
- MoC & PSSR: change triggers, risk review and startup readiness.
- Incident Learning: root cause, learning teams and corrective actions.