Hot Work Training UAE

Service Objectives

This programme enables personnel to plan, permit, supervise, and execute hot work safely across UAE facilities.

- Define hot work boundaries and classifications per NFPA and UAE Civil Defence-aligned codes.
- Apply PTW workflow, roles, and authorisation hierarchy for hot work.
- Conduct task-based risk assessment for ignition sources, flammables, vapours, dust, confined space interfaces, and isolation needs.
- Select and verify controls: gas testing, purging/inerting concepts, shielding, spark containment, barricading, and fire watches.
- Coordinate SIMOPS with operations and contractors; manage work at height and in enclosed areas.
- Prepare for emergencies and document permits, close-outs, and learnings for audits and regulator/insurer review.

> UAE-aligned delivery: integrates NFPA 51B principles with UAE Civil Defence expectations, Dubai Municipality and Abu Dhabi OSHAD frameworks, and your site PTW procedures.

Who This Service Is For

- HSE managers, training coordinators, supervisors, permit issuers/receivers, fabrication leads, maintenance planners, technicians, and fire watch personnel.
- Operators and contractors in oil and gas processing, petrochemicals, pipelines/terminals, tank farms, EPC construction, steel fabrication, ship repair, utilities, desalination, manufacturing, logistics, and power generation.
- Facilities across refineries, workshops, high-bay warehouses, and industrial zones such as Jebel Ali Industrial Area, JAFZA, KIZAD, ICAD, and Ruwais.
- New staff, reassigned craft personnel, and teams mobilising for shutdowns/turnarounds or brownfield modifications.
- Supervisors and PTW authorities seeking consistent risk assessment quality, gas testing frequency, barrier management, and audit-ready documentation.

Duration & Process Overview

Available on-site at your plant, at a nearby venue, or virtually. Blends classroom, demonstrations, and (where permissible) site-walk confirmations.

- Awareness Briefing — 2–3 hours; on-site or virtual; short quiz and participation check.
- Core Practitioner Course — 1 day; on-site preferred; written test and permit exercise.

- Supervisor & PTW Authority Workshop — 1–2 days; on-site with practicals; scenario assessment and documentation review.
- Refresher & Update Session — 4–6 hours; on-site or virtual; targeted quiz and case-study debrief.

> Recommended group size: 8–16 delegates. Programmes available in English or bilingual formats. A brief pre-delivery needs analysis ensures site-specific alignment.

Methodology

A modular approach combining core safe systems of work with realistic, sector-relevant scenarios and assessed practice.

Phase	Objective	Deliverable
1) Needs Analysis & Scoping	Review PTW templates, SOPs, equipment, work profiles; confirm UAE regulatory context.	Agreed scope, learning outcomes, and delivery plan.
2) Customisation & Scenario Design	Map NFPA 51B and UAE Civil Defence expectations to site SOPs; build sector/case-based exercises.	Tailored agenda, checklists, and realistic permit scenarios.
3) Instructor-led Foundations	Cover hot work fundamentals, PTW roles, risk assessment, controls, fire watch, SIMOPS, and emergencies.	Structured sessions (on-site/off-site/virtual) and demonstrations.
4) Practical Permitting & Walk-throughs	Run permit exercises; verify isolation and gas testing; practise control selection and documentation quality.	Completed permit packs and corrected documentation; site-walk (where permissible).
5) Assessment & Feedback	Test knowledge and application via quizzes, scenarios, and permit reviews.	Marked assessments and feedback summary for delegates and supervisors.
6) Certification & Records	Issue certificates of completion; clarify that organisations retain statutory/internal sign-off.	Certificates with course details; attendance and assessment records.