Hot Work Training Dubai

Service Objectives

Practical, code-aligned competency for hot work planning and control across Dubai sites.

- Define hot work and when permits are mandatory in Dubai facilities.
- Align roles and accountabilities (requestor, permit issuer, area owner, fire watch).
- Apply UAE Fire and Life Safety Code, Dubai Civil Defence, and client requirements to job planning.
- Identify ignition sources and flammable atmospheres across oil and gas, logistics, and construction contexts.
- Implement isolation, gas testing, monitoring, barricading, shielding, housekeeping, and fire watch protocols.
- Complete, hand over, and close permits correctly; respond to alarms and verify safe reinstatement.

Who This Service Is For

For organisations and crews performing welding, cutting, brazing, soldering, grinding, or any spark-producing work within the Emirate of Dubai.

- Industrial facilities, EPC and maintenance contractors, repair yards, and third-party service providers.
- Roles: HSE managers/officers, construction managers, PTW coordinators, supervisors, and fire watches.
- JAFZA logistics warehouses, Jebel Ali Industrial Area and port-adjacent workshops, Dubai Investment Park factories.
- Dubai South aviation MRO facilities; power and utilities plants; mixed-use developments.
- Marine and ship repair in Dubai Maritime City; high-rise construction and interior fit-out across the emirate.
- Work near live operations, flammable atmospheres, confined spaces, or critical occupancies (malls, hotels, towers).

> Outcome: fewer permit deviations, tighter isolation discipline, and audit-ready permits across Dubai sites.

Duration & Process Overview

- Delivery options: Awareness (3–4 hours), Core Practitioner (1 day), Advanced Supervisor/Issuer (2 days), Refresher (3–4 hours), Toolbox talks (1 hour).
- Formats: Classroom or virtual; on-site preferred for demonstrations, PTW simulations, and live scenarios.
- Scheduling: Aligns with shifts, night work, and weekend shutdowns; recommended class sizes 10–25; languages EN/AR/HI/UR.
- Materials provided: Handouts, permit templates, workbooks, checklists, scenario packs, assessment forms.

Methodology

Blends classroom theory with demonstrations, PTW simulations, Dubai incident case studies, and site-specific scenarios.

Phase	Objective	Deliverable
Pre-course needs analysis	Collect site procedures, permits, and photos to tailor Dubai scenarios.	Mapped exercises to actual permit templates; site-specific scenario pack.
Fundamentals of hot work	Understand fire triangle/tetrahedron, heat transfer, ignition sources.	Core concepts summary and hazard recognition checklist.
Dubai codes and standards	Apply UAE Fire and Life Safety Code, Dubai Municipality, NFPA 51B, and client specifications.	Code application notes aligned to Dubai inspection focus points.
Hazard identification	Recognise flammables, combustibles, dust, and constrained atmospheres.	Job hazard list and control selection prompts.
Controls and isolation	Integrate LOTO, line blanking, atmospheric testing, and ventilation.	Isolation plan and gas test records (simulated).
PTW essentials	Request, authorisation, validity, handover, and close-out in Dubai context.	Completed hot work permit with scope, duration, extensions, and close-out checks.
Fire watch duties	Define coverage area, post-work duration, equipment, and communications.	Fire watch coverage plan and post-work monitoring times.
Equipment safety	Check welders, oxy-fuel sets, grinders, hoses, regulators, flashback arrestors, and maintenance.	Equipment inspection checklists and maintenance prompts.
Emergency response	First response, alarm activation, evacuation interface, and incident reporting.	Emergency action cards and escalation pathway.
Assessment & certification	Quizzes, practical observations during PTW simulations, and role-based tasks.	Assessment records and NPM Certificate of Completion.