HSE Awareness Training for Construction

Service Objectives

Focused, site-ready training that hardens daily controls and lowers incident risk on UAE construction projects.

- Build consistent behaviours that prevent high-impact events (work at height, lifting, excavations, temporary electrics, hot work).
- Enable teams to interpret and implement RAMS, PTW and LOTO; verify isolations; stop and restart work with correct escalation.
- Validate scaffolding, MEWP and fall-protection setups against recognised standards before use.
- Coordinate SIMOPS and lifting activities with defined roles, communications and exclusion zones.
- Embed heat illness prevention, dust/noise, housekeeping and access/egress discipline in vertical builds and congested fit-out floors.
- Align controls with OSHAD, Dubai Municipality Code, Trakhees-EHS, UAE Fire and Life Safety Code, and ISO 45001 good practice.

> Built for UAE site realities: heat and high winds, dust/sand, multilingual crews, tight workfronts and frequent SIMOPS, with evidence of competence for client and regulator scrutiny.

Who This Service Is For

- UAE construction sites: high-rise towers, infrastructure corridors, industrial facilities, mixed-use developments.
- Main contractors, EPCs, project managers and multi-tier subcontractors operating in tight spaces and schedules.
- Front-line roles: supervisors, foremen, engineers, planners, safety officers; crane operators, riggers, scaffolders, MEWP operators.
- Trades and support: steel fixers, carpenters, concrete crews, electrical/MEP teams, QA/QC, logistics, traffic marshals, security, warehouse, camp management.
- Client representatives, consultants and developers who must verify contractor controls on site.
- Projects managing heat stress, high winds, dust, SIMOPS and multilingual crews across shifts.

Duration & Process Overview

- 4-hour focused induction/refresh for mobilisation and subcontractor onboarding.
- Standard 1-day course: classroom discussion, equipment demos (harness, rigging, gas detectors, LOTO), plus short walkdown/simulation.
- 2-day variant for higher-risk or leadership cohorts: extended practicals (MEWP/scaffold checks, lift planning, excavation/confined space), incident learning and leadership behaviours.

- Delivered on-site or at head office; hybrid/blended options; typical cohort 12–18; scheduling around Ramadan, mid-day heat break and night shifts; bilingual trainers and translated visuals.

Methodology

1) Pre-delivery needs analysis

- Review RAMS, PTW/LOTO templates, lift/excavation/MEWP procedures, emergency plans and incident trends to tailor scenarios.

2) Core modules (tailored)

- Legal duties; hazard ID and risk assessment; PTW/LOTO; work at height; lifting/rigging; excavation; confined spaces; hot work/fire; housekeeping; traffic; incident reporting.

3) Role-specific deep dives

- Supervisors, lifting teams, MEP/fit-out, and environmental leads receive targeted practice and checklists.

4) Applied site practice

- Short simulations and walkdowns matched to current workfronts (e.g., tower crane tie-ins, suspended slabs, deep excavations).

5) Assessment & certification

- Scenario quizzes and practical checks (PTW/LOTO sequencing, scaffold/MEWP validation, rigging/signalling, wind/shutdown criteria); certificate of completion.

6) Post-training reinforcement

- Microlearning nudges timed to shutdowns, tie-ins, heavy lifts and SIMOPS.

Phase	Objective / What It Covers	Duration / Deliverable
Pre-delivery needs analysis	Review RAMS, PTW/LOTO, lift/excavation/MEWP procedures, emergencies, incidents; define site-specific scenarios.	Short desk review; tailored training plan.
Core modules	Legal duties; hazard ID/RA; PTW/LOTO; WAH; lifting; excavation; confined space; hot work; housekeeping; traffic; incident learning.	4-hour / 1-day / 2-day delivery; visual case studies.
Role-specific deep dives	Supervisors (dynamic risk, handover, interfaces); lifting teams (rigging, load path, wind criteria); MEP/fit-out (energised boundaries); environmental (dust/noise, waste, spills).	Targeted clinics within programme; checklists and tools.
Applied site practice	Simulations and walkdowns aligned to active risks (e.g., crane tie-ins, suspended slabs, trenches, congested fit-out).	On-site exercises; immediate control rehearsal.
Assessment & certification	Scenario quizzes; practical verification of PTW/LOTO, scaffold/MEWP checks, rigging/signals, wind/shutdown criteria.	Documented results; certificate of completion.
Post-training reinforcement	Microlearning nudges before critical windows (shutdowns, tie-ins, heavy lifts, SIMOPS).	Reinforcement cadence aligned to site schedule.