Crane Safety Training Abu Dhabi

Service Objectives

- Create a shared hazard language across operators, riggers/banksmen, planners, and supervisors.
- Improve lift planning quality, equipment setup, and control of proximity risks and exclusion zones.
- Interpret load charts and environmental limits (radius, wind, heat) and manage ground bearing pressure.
- Apply correct rigging selection, sling angles, WLL/SWL verification, and use suitable lifting accessories.
- Strengthen human factors: clear banksman hand signals, radio discipline, communication, and supervision.
- Embed control for high-risk lifts (near live plant, tandem, night) and document outcomes for audit readiness.

> Aligned with the Abu Dhabi OSHAD Framework and international good practice; designed for immediate, on-shift application and to support EHSMS competency records.

Who This Service Is For

- Abu Dhabi operations in oil and gas (ADNOC onshore/offshore), petrochemicals (Ruwais), construction (Mussafah), logistics at Khalifa Port, manufacturing in ICAD, and utilities/power.
- Roles: crane operators (mobile/crawler/tower/EOT), riggers/banksmen, lifting supervisors/appointed persons, planners, permit issuers, HSE and line supervisors.
- Sites and contexts: Mussafah, ICAD, KIZAD, Ruwais Industrial City, and port environments.
- Risk profiles: tandem lifts, near live-plant work, night-time lifts, congested laydowns, quay edges, overhead lines.
- Delivery in English, Arabic, or Hindi/Urdu with bilingual instructors; on-site at yards, sites, or ports, or at a dedicated venue.

Duration & Process Overview

- Awareness (management/engineers): 0.5–1 day; on-site classroom or virtual.
- Operator initial: 2–3 days; on-site with yard practice.
- Rigger/Banksman: 1.5–2 days; on-site or training yard.
- Lifting Supervisor and Refresher: 2 days (supervisor); 1 day (refresher).

Flexible scheduling to align with shifts and permit windows. Hybrid delivery available: theory online and practical components on-site (Mussafah, ICAD, KIZAD, Ruwais, or ports).

Methodology

Key Phases

- Needs analysis and site walk: map crane fleet, loads, ground conditions, and procedures.
- Role-based theory: fundamentals, load charts, rigging, communication, lift planning, special operations, supervisory control, EOT use.
- Practical drills and simulations: hands-on setup, signaling, exclusion zones, yard/quayside scenarios.
- Assessment and certification: theory quizzes, practical drills, lift-plan critique; certificate of completion for those who meet criteria.

Phase	Objective	Deliverable
Pre-training needs analysis & site walk	Align content to your crane types, loads, risk hotspots, permits, and ground conditions.	Training plan mapped to your EHSMS, collected forms/lift plans.
Classroom theory (role-based)	Build core competence in crane fundamentals, charts, rigging, communication, and lift planning.	Contextualised materials and case studies reflecting ADNOC, KIZAD, city and tower crane scenarios.
Practical walkdowns & simulations	Translate theory into safe setup, signaling, exclusion zones, and proximity controls.	Hands-on drills in yard/quayside or site simulations.
Lift plan review clinic (adv. track)	Strengthen plan quality and critical-lift controls for engineers/supervisors.	Reviewed/validated lift plans; improvement actions.
Assessment	Verify competence via quizzes, rigging selection, signaling drills, and lift-plan critique.	Assessment results against clear pass criteria.
Certification & records	Provide proof of training and support audit readiness.	Certificate of completion; traceable documentation and sign-in rosters for EHSMS.

Notes:

- Focus areas reflect Abu Dhabi risks: high heat, shamal winds, congested laydowns, ground bearing, live-plant interfaces, and quayside edges.
- Training supports OSHAD expectations and client standards; certificates do not replace statutory appointments by the client organisation.