Job Safety Analysis for Construction

Service Objectives

- Convert high-risk construction tasks into safe, repeatable, supervised steps that crews can follow.
- Identify critical hazards; set clear controls using the hierarchy of controls; assign responsibilities and verification points.
- Align JSAs with method statements, permit-to-work prerequisites, and toolbox talk content for fast, effective briefings.
- Link JSAs to incident learnings (near misses, observations) so controls evolve with site realities.
- Meet UAE regulatory/client expectations with streamlined, audit-ready documentation usable by supervisors.
- Reduce rework and delays; drive continual improvement via milestone-based review cycles (façade access, energisation, night operations).

> Designed to slot into method statements, permits, and toolbox talks so supervisors brief quickly, permits move faster, and controls stand up to audit.

Who This Service Is For

- Main contractors, EPC leaders, developers, PMC/consultant teams, and client-side representatives/resident engineers.
- Specialist trades: scaffolding, piling, formwork/falsework, façade installers, MEP fit-out, steel erection, lifting/rigging.
- Stakeholders owning daily task planning and oversight: HSE managers/officers, site engineers, construction managers, lifting and temporary works coordinators, subcontractor supervisors.
- Projects with changing daily activities and evolving hazards: high-rise towers, deep utilities/tunnelling, solar farms, port infrastructure, and industrial facilities across the UAE.
- High-exposure tasks requiring task-specific, risk-ranked controls: hot works near live services, lifting over public areas, excavation near foundations, work at height on incomplete edges, confined space entry.

Duration & Process Overview

- Discrete packages (e.g., a subcontractor scope or lifting set): typically 1–2 weeks to establish framework, run workshops, draft JSAs, and validate controls.
- Full-project deployments across multiple workfronts: typically 4–8 weeks for the initial high-risk wave, with periodic tune-ups aligned to phase changes.
- On-site-forward, hybrid model: workshops and walkdowns across shifts (including nights), with remote drafting/refinement for speed.

- Coordinated around Ramadan and MOHRE midday break; for multi-site contractors, central standard design with short site visits for localisation and verification.

Methodology

Kickoff & Document Review

Understand scope, schedule, and contractor ecosystem; review HSE plans, method statements, lifting/temporary works, PTW, and interfaces.

Task Breakdown Workshops

Facilitated sessions with supervision to define steps, hazards (e.g., fall-from-height, collapse, struck-by), and control hold points.

Field Validation & Pilot Runs

Walkdowns to test feasibility in real conditions; pilot executions and toolbox briefings to verify and capture crew feedback.

Embed, Integrate & Improve

Embed JSAs into toolbox talks, permits, and inspections; issue improved templates; set review triggers for changes (design, equipment, nights, access).

Phase	Objective / What It Covers	Deliverable / Duration
Kickoff & Document Review	Align on scope, schedule, and stakeholder roles; review HSE plan, method statements, lifting and temporary works, PTW, interface matrices.	Right-sized JSA framework and priorities; typically early Week 1.
Task Workshops	Break priority tasks into steps; identify hazards (mechanical, electrical, fall-from-height, collapse, traffic, heat stress); define controls and hold points.	Draft task-specific JSAs with verification points; late Week 1–2.
Field Walkdowns	Validate steps and control feasibility in actual site conditions across shifts (including nights where relevant).	Validated controls and action list; continuous through initial wave.
Pilot Executions	Coordinate permits and toolbox briefings; observation-based verification; capture crew and coordinator feedback.	Sampled JSAs and improvement actions; Weeks 2–4 (scale dependent).
Embed & Integrate	Embed JSAs into toolbox talks, PTW, and inspection routines; calibrate to UAE norms and client specifications; map to supervisor coaching.	Integrated forms and briefing aids; ongoing during deployment.
Templates & Review Triggers	Issue improved templates and guidance; set triggers tied to design changes, new equipment, night shifts, or access/egress changes; consider MOHRE heat stress and midday break.	Template pack and refresh protocol; periodic tune-ups by phase.