Job Safety Analysis for Oil & Gas

Service Objectives

- Translate task steps into hazard scenarios and specific, verifiable controls aligned to the hierarchy of controls.
- Standardise JSA quality across contractors and shifts to reduce PTW rejections and start-up delays.
- Link controls to isolation/LOTO plans, gas testing, monitoring, and emergency preparedness with clear verification.
- Align with the HSE Management System and contractor bridging documents; create repeatable templates and guidance.
- Define competency and supervision expectations (e.g., gas tester availability, watchmen, confined space attendants).
- Generate leading indicators (JSA quality, recurring gaps, PTW rejections) consistent with ISO 45001 participation and verification.

> Outcome for operations: fewer permit rejections, faster job start-ups, clearer role ownership, and defendable records that controls are in place before exposure.

Who This Service Is For

- HSE managers, OIMs, field supervisors, drilling superintendents, production and maintenance leads, contractor site managers.
- UAE assets: ADNOC and joint ventures; offshore platforms/jackets and FPSOs; onshore gathering stations, fractionation, gas processing, refineries, tank farms, export terminals.
- High-energy tasks: hot work near hydrocarbon inventories, confined space with potential H2S, breaking containment on sour gas lines, energised electrical work, lifting near live plant.
- SIMOPS contexts: co-located drilling and production, brownfield tie-ins during operations, pigging campaigns, shutdown work packs with high permit volumes.
- Contractors aligning method statements and toolbox talks with asset PTW, LOTO, isolation philosophies, and gas testing protocols; leadership seeking traceable safeguards to reduce TRI/LTI and interruptions.

Duration & Process Overview

- **On-site Intensive (5–10 working days):** Single asset, pre-turnaround, offshore campaigns; day/night-shift coverage with live facilitation and field verification.
- **Hybrid (Remote + On-site, 2–6 weeks phased):** Multi-site organisations or high PTW volumes; remote reviews and template build with targeted site visits.
- **Remote Advisory (1–3 weeks):** Template standardisation and governance setup via virtual workshops; client-led field validation.

- Scheduling aligns with operational tempo, shift patterns, and turnaround windows; night-shift observation available when required.

Methodology

A structured blend of facilitation, site verification, and system integration aligned with UAE expectations (MOHRE, OSHAD, Dubai Municipality/Civil Defence) and your corporate standards.

Phase	Objective	Key Deliverable(s)
Scoping & Planning Workshop	Confirm activity profiles, SIMOPS, and critical interfaces; review PTW categories, bridging documents, isolation and gas testing requirements.	Scope definition, priority high-risk task list, engagement plan.
Process Safety Information Review	Ground scenarios in real plant conditions using P&IDs, isometrics, cause-and-effect, plot plans, hazardous area classification.	Context pack for credible failure modes and task interfaces.
Field Walkdowns & Observations	Validate access/egress, ignition sources, wind considerations for H2S/hydrocarbon dispersion, and toolbox talk effectiveness.	Verification notes and photographic evidence of conditions.
Facilitated JSA Sessions	Prioritise high-risk tasks (hot work, CSE, lifting, electrical, excavation, radiography) with explicit control verification and supervision scaling.	Improved JSAs; evidence criteria (e.g., calibrated LEL/H2S monitors, isolation tags, drift-tested detectors).
Integration with PTW & Emergency Preparedness	Link JSAs to isolation plans, gas testing frequencies, monitoring, muster routes, rescue equipment, and supervision matrices.	Aligned templates, control library tailored to typical tasks.
Assurance & Benchmarking	Create JSA quality checklist, sampling plan, and indicators; benchmark against MOHRE, OSHAD, and Dubai Municipality/Civil Defence expectations.	Audit tools, performance indicators, governance model for periodic quality reviews.

This industry-specific engagement is part of a broader UAE-wide Job Safety Analysis service offering and maintains alignment with your asset PTW, bridging documents, and contractor controls.