Emergency Response Training for Oil & Gas

Service Objectives

- Build operational readiness measured in minutes to stabilise incidents and protect people, assets, production, and the environment.
- Recognise alarm states; classify events (release, fire, explosion risk, H2S, medical); initiate shutdowns, isolation, depressurisation, or evacuation aligned with API and NFPA guidance.
- Operate within a scalable Incident Command System (ICS) clarifying command, control, communications, and coordination with on-site teams, mutual aid, and Civil Defence.
- Strengthen process safety interfaces: control room–to–field communications, permit-to-work integration during incidents, and impairment management for fire water, deluge, foam, and gas detection.
- Plan and execute tactics for tank farm rim seal fires, pump/compressor skids, flare/blowdown anomalies, confined space rescue, lifting incidents, SIMOPS, and high-risk marine transfers.
- Execute muster and accountability, search and rescue, casualty handling, spill containment/booming, disciplined radio/SITREP communications, and manage handover to regain control swiftly.

> High-value outcomes: faster alarm-to-action, consistent ICS integrated with Civil Defence and mutual aid, audit-ready competency drills aligned to your ERP and permits, and improved crew safety for H2S and fire scenarios.

Who This Service Is For (Oil & Gas)

- Upstream: drilling and well intervention crews, OIMs, control room operators, permit-to-work authorities, H2S/rescue teams on jack-ups, platforms, and land rigs.
- Midstream: pipeline control centres, terminal and tank farm personnel, marine loading teams, SCADA/telemetry operators, and maintenance leaders managing hot work and isolations.
- Downstream: refinery and gas processing incident commanders, fire teams, tank farm operators, utilities (steam/power), shift supervisors, and turnaround coordinators (SIMOPS).
- Cross-functional UAE roles: HSE managers, training coordinators, ERT leaders, occupational health leads, and business continuity coordinators seeking a consistent ICS approach.
- Logistics interfaces: SPMs, jetties, and road tanker loading where product transfer risks intersect with marine and transportation regulations.
- Brownfield and new-build facilities needing alarm recognition, escalation control, effective mustering, and transition to unified command with external agencies.

Duration & Process Overview

- 1 day: core supervisory awareness and ICS fundamentals.
- 2 days: applied response combining classroom with practical drills.

- 3–5 days: intensive ERT/incident management cycles culminating in a full-scale exercise.
- Delivery on-site (onshore/offshore) or hybrid; shift-friendly schedules; English/Arabic; day or night; cohorts aligned by role.

Methodology

A progressive, scenario-driven approach anchored to your ERP, P&IDs, plot plans, and site realities. Phases and typical durations below.

Phase	Objective / What It Covers	Duration / Deliverable
Pre-training Needs Analysis	Review ERPs, P&IDs, plot plans; design site-specific scenarios; align with permit-to-work and isolation standards.	Needs analysis + scenario plan
ICS & Command Fundamentals	Roles, span of control, objectives-based planning, briefing/debriefing.	3–4 hours
Alarm Management & Control Room Actions	Event triage, decision logs, notifications, shutdown/depressurisation interface.	2–3 hours
H2S, Gas Detection & PPE	Detection strategy, escape sets, muster logic, rescue considerations.	2–3 hours
Firefighting & Foam Strategies	Fixed vs mobile systems, tank farm tactics, rim seal/jet fires (NFPA 11/15).	4–6 hours
Spill Response & Initial Containment	Sorbents, booms, first-hour control, interface with full HAZMAT teams.	2–4 hours
Search, Rescue & Medical	CASPER, triage, confined space rescue interface, medevac coordination.	3–4 hours
Multi-Agency Coordination	Bridging documents, Civil Defence interface, mutual aid, structured handover.	2–3 hours
Capstone Exercise	End-to-end scenario integrating command, field execution, and communications.	1 day (full scale)
Assessment & Certification	Performance-based evaluation (technical and non-technical); NPM certificate with scope, hours, criteria.	Assessed during drills
Debrief & Improvement Log	Structured debrief; action-oriented enhancements to ERPs, callout lists, and impairment procedures.	Concise improvement log

Pre-training Needs Analysis

- Review ERPs and site drawings; tailor scenarios to your hazards and layout.

ICS & Command Fundamentals

- Establish common language, roles, and planning cycles for command.

Alarm Management & Control Room Actions

- Triage events, log decisions, and align shutdown/depressurisation with field actions.

Firefighting, H2S, and Spill Tactics

- Apply foam strategies, manage detection/PPE, and contain first-hour spills safely.

Multi-Agency Coordination

- Use bridging documents and structured handovers to integrate with Civil Defence and mutual aid.

Capstone, Assessment & Debrief

- Full-scale exercise, competency assessment, and targeted improvement actions.
