HSE Awareness Training for Manufacturing

Service Objectives

An industry-specific awareness programme that embeds practical, line-level behaviours for safer machine interactions, disciplined permits, and stronger reporting across UAE factories.

- Establish a factory-wide baseline for hazard identification and risk controls across lines, utilities, and warehousing.
- Reinforce machine safety, guarding, interlocks, and clear lockout/tagout steps before intrusive work.
- Improve chemical handling and Safety Data Sheet (SDS) comprehension, storage segregation, and spill response.
- Strengthen permit-to-work discipline for hot work, confined spaces, work at height, and energised tasks.
- Elevate forklift–pedestrian interface safety, traffic management, and racking stability awareness.
- Embed emergency response basics and a positive reporting culture aligned with ISO 45001 and ISO 14001.

Who This Service Is For

Built for multi-lingual, shift-based manufacturing operations where machine safety, LOTO, chemical handling, forklifts, and hot work converge.

- Shop-floor teams: operators, line leaders, maintenance technicians, electricians, welders, storekeepers, forklift drivers, QC/QA, and utilities (boilers, compressors, HVAC).
- Supervisors and middle managers who authorise work, control isolation/energisation, and oversee contractors during shutdowns and projects.
- Contractors and temporary labour engaged in assembly, packaging, cleaning, and non-routine tasks needing site-specific orientation (PTW, LOTO, guarding, housekeeping).
- Facilities in Abu Dhabi (OSHAD jurisdictions), Dubai free zones, and industrial estates across the Emirates seeking alignment with internal SOPs and external expectations.
- Sites such as F&B bottling, steel fabrication, pharmaceutical packing, and wood products plants with combustible dust risk.

> Pre- and post-tests verify learning. NPM issues certificates of completion (QR verification optional). This is not a statutory licence; client organisations retain internal authorisations (e.g., PTW issuer/receiver, LOTO roles).

Duration & Process Overview

- Foundation: 1 day (6–7 hours) or two half-days; Refresher: 3–4 hours focused on recurrent risks.
- Flexible scheduling for multi-shift operations; sessions aligned with shift overlaps and production windows.

- Delivery on-site with short shop-floor walkdowns, or hybrid with pre-learning micro-modules plus focused in-person practice.
- Bilingual facilitation available (e.g., English/Arabic or English/Hindi–Urdu); typical cohort size 12–18.

Methodology

Modular, scenario-based delivery using real factory floor plans, SOP excerpts, and interactive drills. Examples are adapted to discrete assembly lines, batch mixing rooms, high-speed fillers, and automated warehouses.

Phase	Objective	Deliverable
Pre-session discovery & tailoring	Review hazards, layouts, PTW forms, SDS library, and incident trends.	Site-tailored slides, handouts, and practical drills.
Machine Safety & LOTO	Guarding, interlocks, and isolation steps before interventions.	LOTO tag walkthrough; isolation map review; jam-clearing scenario.
Chemical & Process Safety Basics	SDS use, storage/segregation, and spill response.	SDS interpretation drill; spill kit demonstration.
Permit-to-Work Essentials	Controls for hot work, confined space, and energised tasks; roles and checks.	PTW form review; issuer/receiver role-play.
Traffic & Materials Handling	Forklift–pedestrian interface safety and racking integrity.	Route walkdown; racking inspection cues.
Fire Safety & Emergency Response	Alarm types, evacuation routes, and basic firefighting.	Extinguisher selection demo; evacuation mapping.
Assessment & Certification	Pre-test, post-test, and observed practical competence.	Certificate of completion with unique ID (QR optional).