ISO 14001 Internal Auditor Training for Manufacturing

Service Objectives

- Interpret ISO 14001:2015 in a manufacturing context and focus audits on significant aspects (air emissions, wastewater, noise, energy, chemicals storage, waste segregation).
- Design risk-based audit programmes aligned with ISO 19011, including sampling for high-risk operations, shutdowns, and contractor activities.
- Strengthen interviewing, field evidence collection, and traceability in busy or noisy areas to raise audit objectivity and credibility.
- Write concise nonconformities and opportunities for improvement tied to process owners and clear escalation criteria.
- Integrate EMS audits with ISO 9001 and ISO 45001 to reduce audit fatigue and coordinate calendars with production.
- Link findings to operational performance: energy intensity reduction, scrap and rework minimisation, housekeeping and spill control, chemical inventory rationalisation, and contractor oversight.

> Built for discrete, batch, and continuous manufacturing across the UAE. Aligned to ISO 19011 and prepared for UAE regulatory expectations (MOCCAE, EAD, OSHAD Abu Dhabi, Dubai Municipality EHS, and free zone authorities). Practical checklists and sampling plans are tailored for high-pace lines and utilities.

Who This Service Is For

- UAE manufacturers in food and beverage, pharmaceuticals, plastics, metals/fabrication, cement, glass, packaging, automotive components, and electronics assembly.
- HSE/EHS managers and coordinators, sustainability officers, production managers, QA/QC leaders, maintenance supervisors, utilities engineers, facility managers, and internal audit team members.
- Process engineers responsible for ETPs, dust collection, VOC abatement, boiler houses, cooling towers; procurement or warehousing staff managing supplier interfaces and waste contractors.
- New joiners seeking audit structure and confidence; experienced auditors refreshing interpretations, sampling in high-variation lines, and aligning audit trails with production KPIs.
- Corporate groups with multiple UAE/GCC sites aiming to harmonise audit methods and compare findings across plants for group-level management review.

Duration & Process Overview

- Standard delivery: two full days (16 hours) on-site, combining classroom, shop-floor walkdowns, and interview role plays.
- Alternatives: four half-day sessions for shift coverage, or hybrid (virtual theory + on-site practical simulation).

- Scheduling can align to maintenance or mini-shutdown windows to observe permit-to-work, waste handling, and ETP activities; recommended cohorts are capped (8–14) for effective coaching.
- Materials include manufacturing-tailored checklists and sampling plans; pre-training scoping covers needs analysis and EMS document review.

Methodology

Structured modules blend standard interpretation with hands-on, factory-relevant exercises and a practical audit simulation using your aspect register and procedures.

Phase	Objective / What It Covers	Duration / Deliverable
1. ISO 14001 in Manufacturing	Context, leadership, planning, risks/opportunities; aspect/impact for lines, utilities, warehousing; change management for new lines.	2 hours — Manufacturing-context clause mapping.
2. Legal & Other Requirements	UAE federal/emirate rules, permits, contractor controls; waste, air, effluent obligations linked to capacity and materials.	1.5 hours — Compliance checkpoints aligned to your legal register.
3. ISO 19011 & Audit Programme	Risk-based planning, sampling, checklists, records; rotating audits around shifts, turnarounds, and peak output.	2 hours — Draft audit programme and sampling plan.
4. Shop-Floor Audit Techniques	Interviews, observation, evidence, traceability; focus on changeovers, spill preparedness, ETP operation, VOC control.	2 hours — Field evidence checklist and interview guides.
5. Reporting & Follow-Up	Findings, grading, basic root cause, CAPA; action ownership by production/maintenance with realistic due dates.	1.5 hours — Nonconformity/CAPA templates and grading criteria.
6. Practical Audit Simulation	Plan, conduct, report, and verify using your aspect register and SOPs; real-world scenarios under time pressure.	2–3 hours — Completed mini-audit pack and coached feedback.