Root Cause Analysis Training Dubai

Service Objectives

- Equip teams to identify root and contributory causes using structured methods (5-Whys, Fishbone/Ishikawa, barrier analysis, cause mapping).
- Build credible evidence collection, interviews, and site walkdown capabilities to support defensible findings.
- Differentiate symptoms from systemic causes and link findings to organisational factors.
- Map failed and effective barriers and frame proportionate actions that reduce risk to ALARP.
- Produce regulator-ready RCA reports aligned with ISO 45001 and integrated with CAPA and Management of Change (MoC) processes.

> Delivered by practitioner-instructors with experience across oil and gas, petrochemicals, utilities, logistics, construction, and manufacturing in Dubai's regulatory context.

Who This Service Is For

- HSE managers, supervisors, and incident owners accountable for investigations and CAPA effectiveness.
- Operations and maintenance engineers seeking to reduce equipment failure, production losses, and downtime.
- Quality and compliance teams aligning investigations with ISO 45001 and ISO 9001 evidence requirements.
- Project leaders and construction safety professionals managing near-miss, LTI, and non-conformance events.
- Facility leaders in logistics, warehousing, utilities, and power generation requiring defensible, regulator-ready reports.
- Dubai context: tailored for operations in Jebel Ali Port/Industrial Area, JAFZA (Trakhees-EHS/PCFC), Dubai Industrial City, and Dubai South, reflecting expectations of Dubai Municipality, Civil Defence, and MOHRE.

Duration & Process Overview

- Training levels: 1-day awareness; 2-day practitioner; 3-day facilitator (for complex/multi-site investigations).
- Formats: in-house at your Dubai facility or NPM venue; classroom, simulation-based workshops, or hybrid (live virtual + on-site practicums).
- Assessment: practical exercises, structured interviews, evidence reviews, and a capstone investigation leading to a regulator-ready report.

- Certification: NPM Certificate of Completion indicating level and CPD hours; optimal cohort size 10–16; refreshers typically every 24–36 months.

Methodology

A modular, practice-focused approach tailored to Dubai operations, with tools applied to real scenarios from your sites.

Phase	Objective / What It Covers	Approx. Duration / Deliverable
Foundations of RCA	Incident lifecycle, terminology, bias, evidence integrity; 5-Whys, timeline building.	0.5 day — Common language and framework.
Evidence & Interviews	Interview planning, walkdowns, data capture; interview guides, document control.	0.5 day — Defensible evidence approach.
Causal Analysis	Contributory vs root causes; Fishbone, cause mapping, barrier analysis.	0.5 day — Causal factor trees and barrier maps.
Actions & Reporting	SMART actions, CAPA linkage, regulator-ready reporting; action matrices, templates.	0.5 day — High-quality reports and implementable actions.
Facilitation Practicum	Group dynamics, dissent management, validation; workshop facilitation, peer review.	1 day — Confident RCA leadership and consensus building.
Capstone Investigation	Integrated application to real scenarios; evidence, barrier mapping, cause logic, and action planning.	Integrated — Regulator-ready report and action plan.

> Where relevant, modules incorporate bow-tie thinking, human factors, and links to process safety management for major hazard risk control alignment.