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COURSE BROCHURE

Root Cause Analysis Facilitation and Corrective Action Training Course

21 – 25 March 2027
Muscat

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Registered in the United Kingdom and Saudi Arabia

Root Cause Analysis Facilitation and Corrective Action Training Course

Ref: 1155_43479 **Date:** 21 – 25 March 2027 **Location:** Muscat **Fees:** 6500 GBP

Root Cause Analysis Facilitation and Corrective Action is a 1-week training course for engineers, supervisors and HSE and quality staff who lead investigation sessions and leave with a corrective action tracker for one recent event. Many organisations hold investigations yet watch the same trip, leak or injury return because actions stop at retraining. Jupiter Prime Training runs this course on root cause analysis facilitation and corrective action.

Why Root Cause Analysis Facilitation and Corrective Action Matters Now

Three pressures meet in every serious investigation today. Leaner crews mean the people who saw the event are also needed back on shift, so sessions must be short and well run. Insurers, auditors and corporate HSE functions increasingly ask for proof that actions were closed and actually worked, not only that a report exists. Sites that facilitate well find systemic causes and fix them; sites that do not blame individuals and see repeats. The course links investigation practice to the asset management principles of ISO 55001 and the failure vocabulary of EN 13306.

Who Gains Most from Root Cause Analysis Facilitation and Corrective Action

- Engineers asked to chair investigation panels after equipment trips or failures
- Supervisors who secure the scene and collect first-hand accounts after an event
- HSE advisers who classify incidents and steer investigation depth
- Quality staff who run nonconformance and customer complaint investigations
- Coordinators who chase action owners and report closure status to leadership

A site investigation pool gains most when several members attend together.

Root Cause Analysis Facilitation and Corrective Action Capabilities

Participants practise running a fair, evidence-based session and turning its findings into actions that stick.

- Design an investigation charter with scope, panel and timeline — sponsoring manager
- Apply evidence preservation rules for parts, data and witness accounts — panel members
- Build a cause and effect chart that separates conditions from actions — investigation panel
- Test causal links with 5 Whys, fishbone and fault tree logic — technical reviewers
- Specify corrective actions ranked by the hierarchy of control — action owners
- Communicate closure and effectiveness checks to leadership — HSE and quality committees

Key Root Cause Analysis Facilitation and Corrective Action Terms

- Root Cause — the deepest cause that, if removed, would prevent the event and similar events from recurring.
- Causal Factor — a condition or action that contributed to the event but does not alone explain it.
- Cause and Effect Chart — a diagram linking each effect to its causes with supporting evidence, reaching back to root causes.
- Fault Tree — a top-down logic diagram using AND and OR gates to show how basic events combine into failure.
- Hierarchy of Control — an ordering of actions from elimination and engineering fixes down to procedures and protective equipment.
- Effectiveness Verification — a planned check, after an action closes, that the targeted failure has not returned.

Root Cause Analysis Facilitation and Corrective Action Day by Day

Day 1: Investigation Purpose and Set-Up

- Event Classification and Investigation Depth Triggers — Proportionate Response
- Investigation Charter and Panel Selection — Independence and Expertise Balance
- Facilitator Role and Session Ground Rules — Blame-Free Discussion
- Human Performance and Systemic Cause Models — Beyond Individual Error
- Investigation Timeline Planning — Report Deadlines and Interim Controls

Day 2: Evidence Preservation and Fact Finding

- The Four Ps of Evidence: People, Parts, Position, Paper — Collection Priorities
- Failed Component Handling and Chain of Custody — Laboratory Referral
- Witness Interview Technique — Open Questions and Recall Accuracy
- Process Historian and Alarm Log Retrieval — Sequence Reconstruction
- Sequence of Events Timeline — Gaps and Conflicting Accounts

Day 3: Causal Analysis Methods

- 5 Whys Questioning — Stopping Rules and Common Traps
- Fishbone Diagram Categories — Brainstorm Structure for Mixed Panels
- Cause and Effect Charting With Evidence Tags — Validated Causal Chains
- Fault Tree Construction and Gate Logic — Multi-Cause Equipment Failures
- Barrier and Change Comparison — What Was Different This Time

Day 4: Corrective Actions and Follow-Through

- Action Writing to the Hierarchy of Control — Durable Over Administrative Fixes
- Action Owner, Due Date and Resource Assignment — Accountable Closure
- Corrective Action Tracker Design — Status, Ageing and Escalation
- Effectiveness Verification Criteria — Proof the Failure Has Stopped
- Investigation Report Structure — Findings Leaders Can Act On

Day 5: Practising the Corrective Action Tracker

- Case Study from a Power Station Feedwater Pump Trip — Panel Simulation
- Case Study from a Food Plant Product Recall — Quality Investigation
- Facilitated Session Role-Play With Observer Feedback — Panel Control
- Lessons Learned Bulletin Drafting — Sharing Across Sites
- Corrective Action Tracker Completion — Peer Challenge and Handover

Applying Root Cause Analysis Facilitation and Corrective Action After the Course

- Rebuild the cause and effect chart of one recent investigation and test its stated root cause.
- Audit open actions from past investigations against the hierarchy of control and set effectiveness checks for each.

Root Cause Analysis Facilitation and Corrective Action Questions FAQ

What is root cause analysis facilitation and corrective action, and why does it matter now?

It is the skill of leading an investigation panel to evidence-based root causes and following actions through to proven closure. It matters now because auditors and insurers ask for evidence that actions worked.

Which roles gain most from root cause analysis facilitation and corrective action?

Engineers, supervisors, HSE advisers and quality staff who chair or support investigations gain most.

How does a root cause analysis facilitation and corrective action course differ from a failure analysis course?

It focuses on running the investigation and closing actions rather than on failure physics. A longer failure analysis course studies fracture, wear and corrosion mechanisms in depth; here you lead panels and track actions.

What do you bring back from root cause analysis facilitation and corrective action?

You bring back a populated tracker for one real event. It lists each root cause, the action chosen, its owner, due date and the check that will prove it worked.

Root Cause Analysis Facilitation and Corrective Action: The Way Forward

The corrective action tracker first informs which open actions need escalation because they are overdue or rely only on retraining. Investigation leads, action owners and HSE committees use it to see closure status at a glance. After its first use, revisit the effectiveness checks, because some actions close on paper yet leave the original failure path open.