

ACCIDENT & INCIDENT INVESTIGATION

Independent Investigation. Evidence-Based Root Cause. Stronger Prevention.

ISDT Consultants provides structured, independent and multidisciplinary investigation services for operational, HSE, fire, process safety, equipment, environmental, cyber/information security and other significant incidents — from evidence preservation through root cause analysis to corrective actions and continual improvement.



FACT-BASED
APPROACH



OBJECTIVE &
INDEPENDENT



MULTI-DISCIPLINARY
EXPERTS



PRACTICAL
RECOMMENDATIONS

SAFER OPERATIONS
STRONGER BUSINESSES
A MORE RESILIENT
TOMORROW



INDEPENDENT
ASSURANCE



ACTIONABLE
INSIGHTS



EXPERT
SUPPORT



SUSTAINABLE
IMPROVEMENT

INVESTIGATION IN PROGRESS

Our Investigation Services

Comprehensive, multi-disciplinary investigation support across sectors and incident types.



Fire & Explosion Investigation

- Fire origin and ignition sources
- Propagation and damage assessment
- Fire protection systems
- Emergency response review



HSE Incidents Investigation

- Injuries, near misses and fatalities
- Unsafe conditions and unsafe acts
- Supervision and competency
- Permits, JSA/TRA and procedures review



Oil & Gas / Process Safety Investigation

- Loading, transfer and process incidents
- Interlocks, ESD and alarms
- Process safety and HAZOP review
- Operational controls and barrier effectiveness



Equipment & Crane Incidents

- Mechanical failure analysis
- Lifting operations and rigging
- Inspection and maintenance records
- Operational integrity and technical assessment



Cyber / Information Security Incidents

- Security events and breaches
- Digital forensics and evidence collection
- Control failures and response records
- Equine impact assessment



Independent RCA & Advisory

- 5 Why, Fishbone, FTA
- BowTie and Barrier Analysis
- Human factors assessment
- Corrective & preventive actions (CAPA)
- Expert technical advisory

Investigation Framework & Evidence Model

A defensible investigation process linking evidence, causes, controls and corrective actions.

Evidence Sources



Scene & Physical Evidence
Site inspection, photographs, samples, equipment condition and preservation.



People & Records
Witness interviews, statements, permits, checklists, training and competence.



Systems & Data
CCTV, SCADA/PLC events, alarms, logs, maintenance history and digital evidence.



Standards & Compliance
Procedures, legal duties, industry standards, emergency plans and control requirements.

EVIDENCE



Key Deliverables

- ✓ Investigation plan & evidence register
- ✓ Timeline and event reconstruction
- ✓ Immediate, underlying & root causes
- ✓ Barrier/control effectiveness assessment
- ✓ Compliance & procedural gap analysis
- ✓ CAPA plan with priorities and ownership
- ✓ Management debrief
- ✓ Final investigation report (clear, factual and actionable)

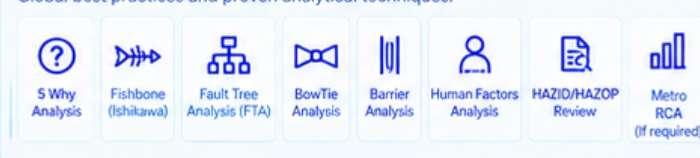
Our Investigation Approach

A structured six-stage methodology for factual, traceable and actionable conclusions.



Investigation Tools & Methodologies

Global best practices and proven analytical techniques.



Standards & References

- ✓ ISO 45001 (OH&S)
- ✓ ISO 31000 (Risk Management)
- ✓ API, NFPA, IEC, OSHA, HSE
- ✓ Company procedures & legal requirements
- ✓ Industry best practices and codes

What Clients Gain



Industries We Support

Deep sector expertise. Real-world understanding.



ACROSS THE MIDDLE EAST AND BEYOND.

Turn Incidents into Stronger Controls and Safer Operations.

Partner with ISDT Consultants for practical, independent and measurable support.



PEOPLE
SAFER OPERATIONS



BUSINESS
STRONGER ORGANIZATIONS



SOCIETY
A MORE RESILIENT
TOMORROW