

GLOBAL EXPERTS INSTITUTE FOR TRAINING.
ISO 9001-2008 TRAINING PROVISION CERTIFIED

Advanced Threat Detection & Crisis Management in Refinery Security

Schedule Dates:

Start Date	End Date	Place
20 October 2025	24 October 2025	Aha The Rex Hotel – Knysna – South Africa

Program Introduction:

In today's volatile security landscape, refineries face an increasing number of threats—from cyber intrusions and insider sabotage to physical breaches and large-scale emergencies. This advanced course equips participants with the skills, tools, and strategies needed to detect threats early, respond decisively, and manage crises effectively. Through a combination of case studies, simulations, and operational best practices, participants will gain the expertise required to safeguard refinery operations, assets, and personnel under the most challenging conditions.

Program Objectives:

- ✓ Identify and assess advanced threats in refinery environments.
- ✓ Implement cutting-edge detection systems and security technologies.
- ✓ Develop and execute crisis management protocols under high-pressure scenarios.
- ✓ Coordinate cross-functional emergency response teams effectively.
- ✓ Apply international best practices for refinery security and incident recovery.

Who should attend?

- Refinery security managers and supervisors
- Safety and operations officers and auditors
- Emergency response coordinators
- Industrial risk management professionals
- Government and regulatory security inspectors
- Technical operations managers in oil & gas facilities

Program Outlines

Day One

- Overview of Global Threat Landscape in Oil & Gas
- Refinery-Specific Security Challenges and Vulnerabilities
- Types of Advanced Threats (Physical, Cyber, Insider)
- Early Warning Systems and Sensor Integration
- AI and Machine Learning in Threat Detection

Day Two

- Surveillance Technology & Analytics
- Access Control Strategies for High-Risk Zones
- Cybersecurity Threats to Industrial Control Systems (ICS)
- Incident Detection vs. Incident Prevention
- Risk Assessment & Threat Prioritization Methods

Day Three:

- Crisis Management Frameworks for Refineries
- Emergency Response Planning & Coordination
- Communication Protocols During a Crisis
- Crisis Leadership & Decision-Making Under Pressure
- Collaboration with Law Enforcement & Government Agencies

Day Four:

- Insider Threat Identification & Mitigation
- Simulation-Based Drills for Security Teams
- Rapid Containment & Isolation Procedures
- Evacuation Planning & Personnel Safety Protocols
- Business Continuity & Operational Recovery Plans

Day Five:





- Legal and Compliance Requirements in Refinery Security
- Post-Crisis Analysis & Lessons Learned
- Integrating Security into Refinery Operational Strategy
- Future Trends in Threat Detection & Crisis Management
- Case Studies from Real-World Refinery Incidents

Training Methodology:

- Slide presentations
- Interactive discussion
- Simulations and Gamification
- Online Video material

Cost Quotation in Kuwaiti Dinars

The total cost includes:

-  Instructor(s) expenses
-  Training materials
-  Certification
-  Lunch Included

Total Cost: 1800 KD per Participant
(One Thousand Eight Hundred Kuwaiti Dinar)