Risk Assessment & Technical Security

Management for Energy Assets

Schedule Dates:

Start Date	End Date	Place
1 Dec 2025	5 Dec 2025	Morrocco - Novotel Casablanca City Center

Program Introduction:

In today's energy sector, the protection of critical assets—from oil and gas facilities to renewable energy infrastructures—is paramount. This course equips participants with the knowledge and skills to conduct comprehensive risk assessments, implement effective technical security measures, and manage threats proactively. Using industry best practices, real-world case studies, and hands-on exercises, participants will learn to safeguard energy assets against both internal and external threats.

Program Objectives:

- ✓ Understand the fundamentals of risk assessment in energy facilities.
- ✓ Identify and analyze security threats and vulnerabilities in technical systems.
- ✓ Develop and implement comprehensive security management plans.
- ✓ Integrate physical, technical, and cyber security measures.
- ✓ Apply international standards and regulations for energy asset protection.
- ✓ Respond effectively to incidents, emergencies, and security breaches.
- ✓ Improve operational resilience through proactive risk management.

Who should attend?

- o Technical Security Officers & Managers
- o Energy Sector Security Professionals
- o Facility Managers & Supervisors
- o Tech Support Security Specialists
- o Safety & Risk Management Personnel
- o Operational Staff responsible for critical energy infrastructure

Program Outlines

Day One

- Introduction to Energy Asset Security

- Fundamentals of Risk Assessment

- Threat Identification & Analysis

- Vulnerability Assessment Techniques

- Security Risk Matrices & Prioritization

Day Two

- Asset Classification & Criticality Assessment

- Physical Security Systems Overview

- Access Control & Perimeter Security

- CCTV, Intrusion Detection & Monitoring

- Alarm Systems & Response Protocols

Day Three:

- Technical Security in Remote Sites

- Cybersecurity Essentials for Energy Assets

- Industrial Control Systems (ICS) Security

- Risk Assessment Tools & Software

- Security Audits & Compliance Checks

Day Four:

- Incident Reporting & Documentation

- Emergency Response & Crisis Management

- Security Policies & Standard Operating Procedures

- Security Awareness Training for Staff

- Contractor & Vendor Security Management

Day Five:

- Integrating Physical & Cybersecurity Measures

- Regulatory Requirements & International Standards (ISO, NIST, API)

- Business Continuity & Disaster Recovery Planning

- Case Studies: Energy Asset Security Breaches

- Developing a Security Management Plan for Energy Assets

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: 1500 KD per Participant
(One Thousand Five Hundred Kuwaiti Dinar)