

Security Risk Management in the Power & Energy Sector

COURSE OVERVIEW

This course explores the unique security challenges facing power plants, oil and gas facilities, renewable energy projects and transmission networks, with a focus on both physical and cyber threats. It equips delegates with the current knowledge and tools to identify, assess and mitigate security risks that threaten critical infrastructure. Through factual case studies, industry best practices and risk assessment frameworks, delegates will gain practical insights into safeguarding energy assets, ensuring operational resilience and maintaining regulatory compliance in an evolving threat landscape.

WHO SHOULD ATTEND?

This course is designed for security managers, risk professionals, energy sector executives, HSE officers, regulatory officials and technical personnel involved in power and energy operations. It is also relevant for policymakers, consultants, and contractors who play a role in safeguarding critical energy infrastructure against emerging risks and disruptions.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Identify and evaluate key security risks within the power and energy sector.
- Apply structured methodologies for risk assessment and mitigation.
- Strengthen organizational resilience against both physical and cyber threats.
- Integrate security risk management practices into operational and strategic planning.
- Align security measures with international standards and regulatory requirements.
- Utilize digital intelligence and real-time monitoring tools to enhance threat detection and response.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Implementing risk management frameworks for power and energy systems.
- Addressing cybersecurity threats through integrated IT and OT security.
- Assessing physical risks to protect critical infrastructure.
- Developing response and crisis management protocols.
- Promoting a security-aware culture across teams.
- Using advanced tools and monitoring for proactive threat detection.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded