

Occupational Health & Safety Management in Power Plants

COURSE OVERVIEW

This course offers a deep understanding of occupational health and safety management practices tailored specifically for power plant environments. It explores industry standards, regulatory compliance, risk assessment methodologies and hazard control strategies to ensure safe operations in high risk facilities. Through practical case studies, scenario analysis, and best practice frameworks, participants are equipped with the skills to identify workplace hazards, implement preventive measures and foster a strong safety culture that minimizes accidents and enhances operational efficiency.

WHO SHOULD ATTEND?

The course is designed for power plant managers, health and safety officers, engineers, supervisors, environmental specialists and professionals responsible for workplace safety. It is also highly beneficial to regulators, inspectors and consultants seeking to strengthen their knowledge of health and safety management systems in energy generation facilities.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand and apply occupational health and safety regulations in power plant operations.
- Conduct comprehensive risk assessments and hazard identification.
- Develop and implement effective safety management systems.
- Promote a proactive safety culture to reduce incidents and improve compliance.
- Respond effectively to workplace emergencies and implement corrective actions.
- Use digital tools to improve safety monitoring and compliance.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- International standards and regulatory frameworks for power plant safety.
- Integration of health, safety, and environmental (HSE) management systems.
- Hazard and risk assessment tools for high-risk environments.
- Emergency preparedness and response planning.
- Case studies from real-world power plant operations.
- Practical strategies for fostering safety culture and compliance.

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