

€ TRAINING

Environment Management for Power Plants



27 - 31 October 2024
Cairo (Egypt)



Environment Management for Power Plants

REF: S939 DATE: 27 - 31 October 2024 Venue: Cairo (Egypt) - Fee: 4095 Euro

Introduction:

This training program is a specialized educational initiative tailored to equip professionals with the knowledge and skills necessary to effectively manage environmental aspects within power plant operations. It empowers participants to implement sustainable practices, mitigate environmental impacts, and ensure regulatory compliance within power plant facilities.

Program Objectives:

At the end of this program, participants will be able to:

- Understand the business benefits of sound environmental management.
- Appreciate the environmental management systems.
- Know how legislation and international conventions affect businesses.
- Become knowledgeable of environmental terms.
- Understand the process of waste minimization.
- Explore the types of emergencies that have effects on the environment.
- Plan an environmental management program.

Targeted Audience:

- Power plant managers.
- Environmental engineers.
- Operations supervisors.
- Compliance officers.
- Maintenance technicians.

Program Outlines:

Unit 1:

Environmental Context:

- How humans interact with the environment?
- Definitions: "climate change", "air", "water and land pollution", "biodiversity" and "depletion of natural resources".
- The costs of environmental pollution.
- The hydrological cycle and the carbon cycle.
- Resource Consumption.
- Waste minimization.

Unit 2:

Environmental Legislation & Management:

- Key aspects and requirements of UK legislation.
- Environmental Protection Act, IPPC, PPC.
- European directives and national legislation impact on commercial activities.
- Common Management Systems.
- Environmental Management Systems.
- EMAS, ISO 14001.

Unit 3:

Environmental Aspects & Policy:

- Identify how an organization's activities can affect the environment.
- Identify and describe an organization's environmental aspects.
- Evaluate the significance of environmental effects to prioritize an organization's environmental activities indirect aspects that might influence supplier performance.
- How to write an environmental policy?
- Appropriate techniques to disseminate the policy.

Unit 4:

Environmental Management Techniques & Training:

- Practical environmental management techniques in waste minimization.

- Prioritize actions needed to improve performance.
- Changing work activities to improve environmental performance.
- Benefits of environmental awareness and management education.
- The necessity for feedback and evaluation.

Unit 5:

Environmental Auditing, Reporting, and Emergency Plans:

- Undertake an internal audit to an agreed specification and make recommendations.
- Producing an environmental report adopting good practice features.
- Types of emergency that might have an impact on the environment.
- How prior preparation and provision of training and resources can mitigate any effects?