BLACKBIRD FOR TRAINING

Environmental Management Systems: Monitoring and Modelling

31 October – 4 November 2027
Cairo (Egypt)



Environmental Management Systems: Monitoring and Modelling

Ref: 321557_136890 **Date:** 31 October – 4 November 2027 **Location:** Cairo (Egypt) **Fees:** 4900 GBP

Introduction

As global concerns for environmental sustainability continue to grow, organizations of all types are increasingly focusing on the environmental impacts of their operations, products, and services. Environmental performance is critical to both internal and external stakeholders, requiring a commitment to continual improvement through a systematic approach. This course is designed to equip delegates with the knowledge and skills needed to develop, implement, and improve an Environmental Management System EMS, ensuring organizations meet the required environmental standards and achieve sustainable environmental practices.

Course Objectives

By the end of this course, participants will be able to:

- Understand the different types of environmental aspects and their related environmental impacts.
- Gain a deep understanding of the requirements of the Environmental Management Standard ISO 14001:2004.
- Develop and implement an effective Environmental Management System EMS in line with ISO 14001:2004 standards.
- Prepare a comprehensive plan for obtaining EMS certification from a recognized certifying authority.
- Identify waste streams and explore opportunities for recycling waste to improve environmental performance.
- Recognize the significance of environmental monitoring programs and how to apply them in an organizational context.

Course Outlines

Day 1: Introduction to Environmental Management

- What Does the Term “Environment” Mean?
- The benefits of good environmental management and how it contributes to overall organizational success.
- Key Environmental Management System EMS elements and their application in various industries.
- Developing a document framework for an effective EMS.
- Introduction to ISO 14001:2004, the global standard for Environmental Management Systems.



Day 2: Environmental Management Systems

- Understanding environmental policies and their role in developing an EMS.
- Detailed overview of ISO 14001:2004 and its key concepts.
- Conducting an Initial Environmental Review IER to assess your organization's environmental status.
- Identifying and evaluating environmental aspects and impacts within an organization.
- Exploring environmental disasters and lessons learned from past incidents.
- How to produce an EMS document framework tailored to organizational needs.

Day 3: Environmental Aspects & Impacts

- Understanding environmental impacts at the global, regional, and local levels.
- Methods for determining significant environmental aspects and their potential consequences.
- Identifying regulatory and standards' requirements that impact environmental performance.
- Preparing an Environmental Impact Assessment EIA checklist for environmental risk assessments.

Day 4: Environmental Impact Assessment EIA

- Elements of the EIA process and its importance in identifying environmental risks.
- How to carry out an EIA and analyze potential environmental impacts effectively.
- The steps involved in environmental disaster preparedness and risk management.
- Detailed steps of an EIA process and how to implement them within your organization.

Day 5: Internal Environmental Auditing

- Conducting an environmental audit to assess your EMS's compliance and performance.
- The management review process for ensuring the continual improvement of your EMS.
- Monitoring and evaluating EMS performance through environmental monitoring techniques.
- Measuring, analyzing, and evaluating your organization’s environmental compliance obligations.

Why Attend this Course: Wins & Losses!

- A comprehensive understanding of the importance of environmental management systems and their application within an organization.
- Hands-on experience in developing, implementing, and improving an EMS to meet ISO 14001:2004 standards.
- The ability to conduct environmental monitoring and ensure continuous improvement in your organization's environmental performance.
- Knowledge of environmental aspects, impacts, and how to handle potential risks related to environmental disasters.
- Practical skills to prepare for ISO 14001 certification and maintain compliance with environmental regulations.



Conclusion

This course provides a robust foundation for developing and implementing an Environmental Management System EMS that meets ISO 14001:2004 standards. By attending, participants will acquire the necessary tools and techniques for environmental monitoring, impact assessment, and audit preparation, helping their organization achieve superior environmental performance.

Whether you are looking to implement an EMS from scratch or improve an existing system, this training will equip you with the skills and knowledge to drive sustainable and compliant environmental practices across your organization.

