



*Training Course:
Environmental Monitoring and Modelling*

*11 - 15 October 2026
Cairo (Egypt)*

Training Course: Environmental Monitoring and Modelling

Training Course code: HE7019 From: 11 - 15 October 2026 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

As concern grows for continually improving the quality of the environment, organizations of all types and sizes are increasingly turning their attention to the environmental impacts of their activities, products, and services. The environmental performance of an organization is of importance to internal and external interested parties. Achieving sound environmental performance requires an organizational commitment to a systematic approach and, to continual improvement of their environmental performance.

The purpose of this course is to provide delegates with the opportunity of gaining the skills and knowledge to develop and implement and/or improve an Environmental Management System EMS

Objectives

- Understand the different types of environmental aspects and their environmental impacts
- Understand the requirements of the environmental management standard ISO 14001:2004
- Develop and implement an Environmental Management System EMS
- Prepare a plan for obtaining EMS ISO 14001:2004 certification from a certifying authority
- Identify waste streams and, opportunities for recycling waste

Target Audience

The Environmental Monitoring and Modelling program is designed for:

- Environmental Engineers and Specialists involved in environmental assessment, monitoring, and compliance activities.
- HSE Professionals and Safety Officers responsible for environmental protection and sustainability initiatives.
- Environmental Consultants and Analysts working on environmental impact studies and modelling projects.
- Government and Regulatory Personnel involved in environmental regulation, inspection, and monitoring.
- Water, Air, and Soil Quality Specialists responsible for environmental sampling, testing, and analysis.
- Researchers and Scientists working in environmental sciences, climate studies, and ecological modelling.
- Project Managers and Technical Professionals involved in environmental management projects and sustainability programs.
- Professionals in Oil & Gas, Energy, Utilities, Manufacturing, and Infrastructure Sectors dealing with environmental monitoring and regulatory compliance.
- Anyone seeking to enhance their knowledge and practical skills in environmental monitoring systems and

modelling techniques.

Outlines

DAY 1: Introduction to Environmental Management

- What Does the Term "Environment" mean
- Benefits of Good Environmental Management
- Key Environmental Management System EMS Elements
- Document Framework for an Environmental Management System
- Video: Introduction to ISO 14001:2004

DAY 2: Environmental Management Systems

- Environmental Policy
- Concepts of the Environmental Standard ISO 14001:2004
- Initial Environmental Review IER
- What are Environmental Aspects and Impacts
- Video: Environmental Disasters
- Exercise: Producing an EMS Document Framework

DAY 3: Environmental Aspects & Impacts

- Understanding Environmental Impacts
- Understanding Global, Regional and Local Environmental Issues
- How to Determine Significant Environmental Aspects
- Identifying Applicable Regulatory and Standards Requirements
- Exercise: Preparing an Environmental Impact Assessment Checklist

DAY 4: Environmental Impact Assessment EIA

- Elements of the EIA Process
- Carrying out an EIA
- Analysis of Impacts

- Video: Environmental Disaster
- Exercise: List the Steps of an EIA Process

DAY 5: Internal Environmental Auditing

- Carrying Out an Environmental Audit
- Management Review Process
- Summary of Course Key Points
- Award of Course Attendance Certificates
- Close of Course

Registration form on the Training Course: Environmental Monitoring and Modelling

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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