

# € TRAINING

Environmental Monitoring and Modelling:  
Environmental Management Systems



# Environmental Monitoring and Modelling: Environmental Management Systems

## 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 conference 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

## Conference Objectives:

At the end of this conference the participants will be able to:

- 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

## Targeted Audience:

- Production and Process Engineers
- Maintenance Engineers
- People who are involved in the managing and purchasing of hazardous substances
- Managers, Supervisors, and Consultants who will be part of an Environmental Management Systems Implementation Team

Anyone involved in the implementation, maintenance or supervising of an ISO 14001

## Course Outlines:

### Unit 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
- Introduction to ISO 14001:2004

## Unit 2: Environmental Management Systems:

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

## Unit 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
- Preparing an Environmental Impact Assessment Checklist

## Unit 4: Environmental Impact Assessment EIA:

- Elements of the EIA Process
- Carrying out an EIA
- Analysis of Impacts
- Environmental Disaster
- List the Steps of an EIA Process

## Unit 5: Internal Environmental Auditing:

- Carrying Out an Environmental Audit
- Management Review Process
- Checking and Evaluation of Compliance Obligations
- EMS Performance Monitoring, Measurement, Analysis and Evaluation