

Environmental Management Systems: Monitoring and Modelling

Healthcare & Safety Management
Cairo (Egypt)
05 - 09 Oct 2025

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A close-up photograph of chess pieces on a checkered board. In the foreground, a large, ornate gold king piece stands prominently. To its left, a smaller silver pawn is visible. Further back, another silver pawn is positioned. The background features a series of concentric, light gray circles that create a sense of depth and focus on the pieces.

Environmental Management Systems: Monitoring and Modelling

Ref: 321557_133558 **Date:** 05 - 09 Oct 2025 **Location:** Cairo (Egypt) **Fees:** 3300 **Euro**

Course Description

This intensive 5-day course provides a comprehensive overview of Environmental Management Systems EMS with a focus on monitoring and modelling techniques. Participants will learn to implement effective EMS strategies, analyze environmental data, and develop predictive models for sustainable business practices. The course combines theoretical knowledge with practical applications to enhance environmental performance in various organizational settings.

Learning Objectives

- Understand the principles and components of Environmental Management Systems
- Develop skills in environmental monitoring and data analysis
- Learn to create and interpret environmental models for decision-making
- Implement EMS strategies to improve organizational sustainability
- Evaluate and enhance environmental performance using key indicators

Course Modules

Day 1: Introduction to Environmental Management Systems

- EMS principles and frameworks
- ISO 14001 standards and requirements
- Environmental policy development
- Identifying environmental aspects and impacts

Day 2: Environmental Monitoring Techniques

- Air quality monitoring methods
- Water quality assessment tools
- Soil contamination analysis
- Noise and vibration monitoring

Day 3: Data Analysis and Interpretation

- Statistical analysis of environmental data
- Trend analysis and forecasting
- Geographic Information Systems GIS for environmental mapping
- Data visualization techniques

The logo for UK Training Partner features the text 'UK Training' in a small, black sans-serif font, with 'PARTNER' in a large, bold, black sans-serif font below it. The background of the logo is a stylized chessboard with a king piece and a pawn piece.

Day 4: Environmental Modelling

- Introduction to environmental modelling concepts
- Air dispersion modelling
- Water quality modelling
- Life cycle assessment modelling

Day 5: Implementing EMS and Continuous Improvement

- Developing environmental management programs
- Setting objectives and targets
- Environmental performance indicators
- Auditing and management review processes

Practical Wins for Participants

- Ability to design and implement an effective EMS in their organization
- Skills to conduct environmental monitoring and analyze complex data sets
- Competence in creating environmental models for informed decision-making
- Strategies to enhance organizational sustainability and reduce environmental impacts

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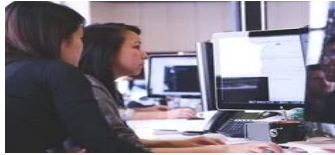
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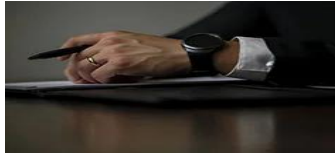
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