

# Environmental Management System

Course Outline

---

Introduction Training

APRIL 2025

---

Delivered by:

*MF Management Services*



---

# Course Overview

This 1-day introduction to Environmental Management Systems (EMS) provides an overview of the principles, framework, and implementation strategies for managing an organisation's environmental impact.

## How to book your course:

1	Visit: <a href="http://www.isosystems.org.uk/internal-auditor-training">www.isosystems.org.uk/internal-auditor-training</a>
2	Complete the online form
3	A member of our team will get in touch

## Contact us Direct:

Tel: 01325 788352 / 07813858310

E: [services@isosystems.org](mailto:services@isosystems.org)





---

# Introduction to Environmental Management

- **Definition of EMS:** An overview of what an Environmental Management System is and how it helps organisations manage and minimise their environmental impact.
- **Importance of EMS:** Understanding why environmental management is crucial for sustainability, legal compliance, risk management, and competitive advantage.
- **Key Concepts:** Environmental impacts, sustainability, resource management, and legal obligations.



# Environmental Management Principles

- **Continuous Improvement:**

The core principle of EMS, focused on improving environmental performance over time.

- **Prevention of Pollution:**

Proactively identifying & mitigating environmental risks to reduce pollution & waste.

- **Compliance:**

Ensuring adherence to environmental laws and regulations.

- **Resource Efficiency:**

Focusing on reducing waste, conserving energy, and optimising resource usage.

- **Stakeholder Engagement:**

Involving employees, customers, regulators, and the community in the environmental strategy.



**Commitment**

**Continual Improvement**



**Compliance**

**Prevention of Pollution**



**Stakeholder Engagement**

# ISO 14001: The Framework for EMS

## Overview of ISO 14001

Introduction to ISO 14001 as the most recognised global standard for EMS.

## Key Elements of ISO 14001

Understanding the key clauses of the standard, such as:

- **Context of the Organisation:** Identifying internal and external issues that affect environmental performance.
- **Leadership and Commitment:** The role of management in driving environmental policies and strategies.
- **Planning:** Identifying environmental aspects, setting objectives, and managing risks.
- **Support and Operation:** The resources, training, and processes required to implement EMS.
- **Performance Evaluation:** Measuring, monitoring, and auditing environmental performance.
- **Improvement:** Corrective actions, continual improvement, and management reviews.



# The Plan-Do-Check-Act (PDCA) Cycle

## Applying PDCA in EMS

Explanation of how the PDCA cycle helps organisations implement, monitor, and improve their EMS.



## EMS Implementation & Challenges

- **Steps for Implementing an EMS:** Key stages in implementing an EMS, from planning, Identifying and evaluating environmental aspects/impacts to training, monitoring, and action plans.
- **Common Challenges in Implementation:** Resistance to change, resource constraints, and aligning environmental goals with business priorities.

---

# EMS Audits & Monitoring

## Internal Audits

The role of audits in assessing the effectiveness of the EMS & ensuring compliance with ISO 14001.

## Key Performance Indicators (KPIs)

Understanding the environmental metrics that help monitor and evaluate EMS effectiveness.

## Corrective and Preventive Actions (CAPA)

How to address nonconformities and continuously improve the EMS.





# Sustainability and Beyond EMS

**Sustainability in the Context of EMS:** How EMS can be linked to broader sustainability goals, including social responsibility and sustainable development.



**Circular Economy:** Introducing the concept of a circular economy and its relevance to EMS.

**Green Certification and Eco-labels:** Discussion on the value of environmental certifications like LEED, Energy Star, and others.





---

# Case Studies & Best Practice

- **Real-World Examples:** Showcasing successful EMS implementation across different sectors (e.g., manufacturing, services, construction).
- **Lessons Learned:** Key takeaways from organisations that have effectively integrated EMS into their operations.

## Summary & Wrap-Up

- Recap of key concepts.
- Q&A session to clarify doubts and further enhance understanding.
- Resources for further learning, including ISO 14001 manuals, environmental management tools, and training courses.

This agenda will provide participants with a solid understanding of EMS, helping them appreciate its significance and how it can be practically applied in their organisations. It's ideal for anyone new to environmental management or those looking to refresh their knowledge on EMS fundamentals.