

Environmental Monitoring and Modelling Environmental Management Systems - Best Practices in Obtaining ISO 14001:2015 Certification

Date	Venues	(\$)Fees	Book your seat
21 Dec -25 Dec 2025	Singapore	3499	Register Now

Introduction

As concern grows for continually improving environmental performance and protecting the environment, organizations are increasingly turning their attention to the environmental impacts of their business 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 an environmental management system (EMS).

The course provides delegates with an opportunity to gain skills and knowledge to build, implement and continually improve the performance of an Environmental Management System (EMS).

Objectives

Delegates will learn how to:

- Understand types of environmental aspects and their environmental impacts
- Understand requirements of newly revised ISO 14001:2015 standard
- Develop and implement an Environmental Management System (EMS)
- Plan for obtaining ISO 14001:2015 certification from a certifying authority
- Identify all waste stream types and opportunities for reducing costs of waste

Training Methodology

Delegates will learn by active participation through inspiring presentation tools and interactive techniques presented in a lively, enthusiastic and interesting style. Delegates will take part in practical exercises, case studies, and an EMS step-by-step practical workshop.

Organizational Impact

- The organisation will benefit from the key financial savings as a direct result of implementing an effective environmental management system
- The organisation will also benefit from being able to identify the environmental aspects and impacts, so reducing the risk of environmental incidents occurring
- Knowledge of how certification to ISO 14001:2015 can provide the organisation with a positive marketing advantage over its competitors

Personal Impact

- Delegates will be able to better understand the nature of environmental aspects and the associated impacts of the organisation's operational activities
- Delegates will understand the purpose and role of the international standard for environmental management ISO 14001:2015

Who Should Attend?

- All line managers, supervisors and those involved with environmental matters
- Production, maintenance and process engineers and all environmental personnel
- All personnel involved in purchasing and managing hazardous substances

SEMINAR OUTLINE

DAY 1

Introduction to Environmental Management

- Environmental Management System as a Process (**Plan/Do/Check/Act**)
- ISO 14001:2015 Environmental Management System Benefits
- Changes from 14002:2004 to 14001:2015
- ISO 14001:2015 Requirements
- Understanding Organisation's Activities and Interested Parties
- Carrying Out a Baseline Environmental Review

DAY 2

Leadership and Planning

- Developing and Communicating an Environmental Policy
- Assigning Organisational Roles, Responsibilities, and Authorities
- Determining Organisation's Compliance Obligations
- Identifying and analysing Environmental Aspects and Impact risks
- Selecting risk control measures for managing significant impacts
- Setting Environmental Objectives and Programmes to Achieve them

DAY 3

Support and Operations

- Awareness
- Communication
- Documented Information
- Operational Control
- Contractor & Supplier Controls

- Emergency Preparedness and Response

DAY 4

Practical Workshop (Step-by-Step EMS Development)

- Delegate's workshop using Step-by-Step Road Map and Action Plan to build an Environmental Management System to ISO 14001:2015 certification requirements
- **PLAN:** Context of Organisation - Leadership - Planning
- **DO:** Support Processes - Operational Control
- **CHECK:** Performance Evaluation
- **ACT:** Improvement
- Transition Planning: upgrading from ISO 14001:2004 to the new ISO 14001:2015

DAY 5

Performance Evaluation

- EMS Performance Monitoring, Measurement, Analysis and Evaluation
- Checking and Evaluation of Compliance Obligations
- Planning and Carrying Out Internal Audits
- Management Review Process
- Summary of Course Key Points
- Award of Course Attendance Certificates and Close of Course