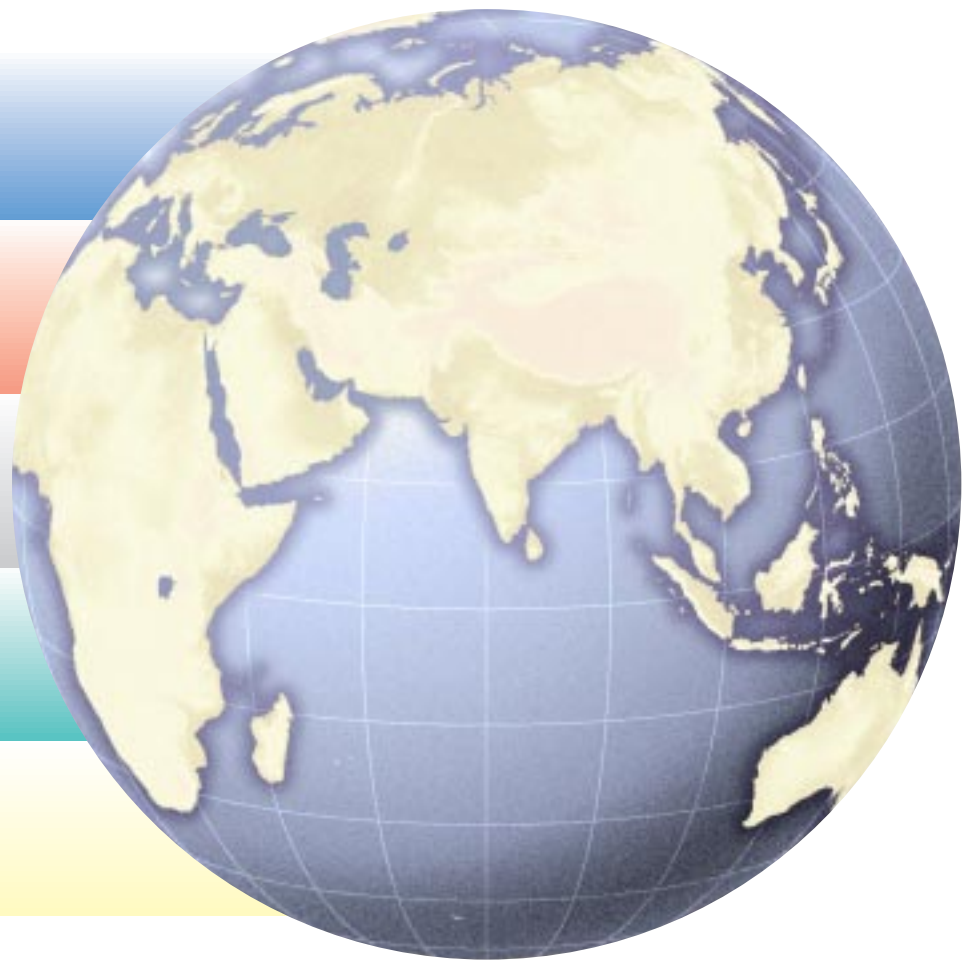


ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)/ISO 14000 SERVICES

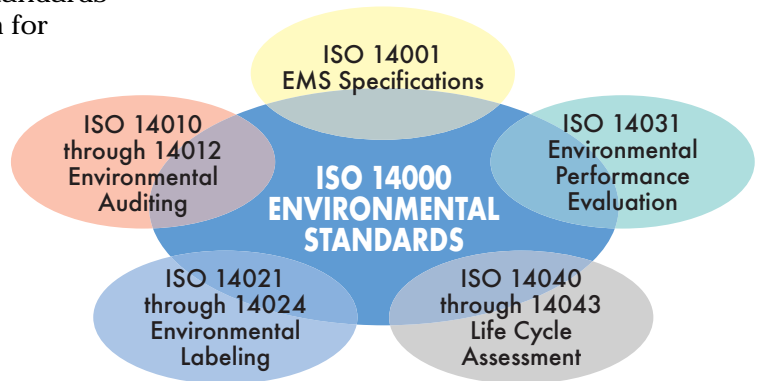


NUCLEUS CONSULTANTS (NC)

WHAT IS ISO 14000?

The ISO 14000 standards are voluntary standards created by the International Organization for Standardization (ISO). ISO has over 100 member countries represented mainly by industry and government standards groups. The ISO 14000 series is classified into these groups:

- EMS Specifications
- Environmental Auditing
- Environmental Performance Evaluation
- Life-Cycle Assessment
- Environmental Labeling Standards

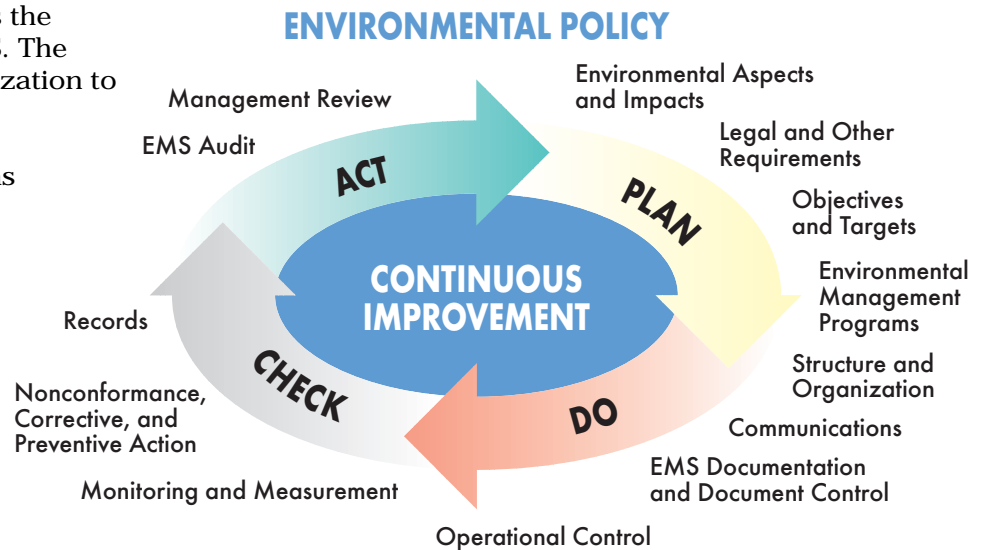


Nucleus Consultants offers comprehensive ISO 14000 services. Our support includes helping you develop, implement, and audit a successful EMS. These critical steps will facilitate your organization’s ISO 14001 certification and, when done well, will serve as the foundation for all subsequent compliance activities.

WHAT IS ISO 14001 EMS?

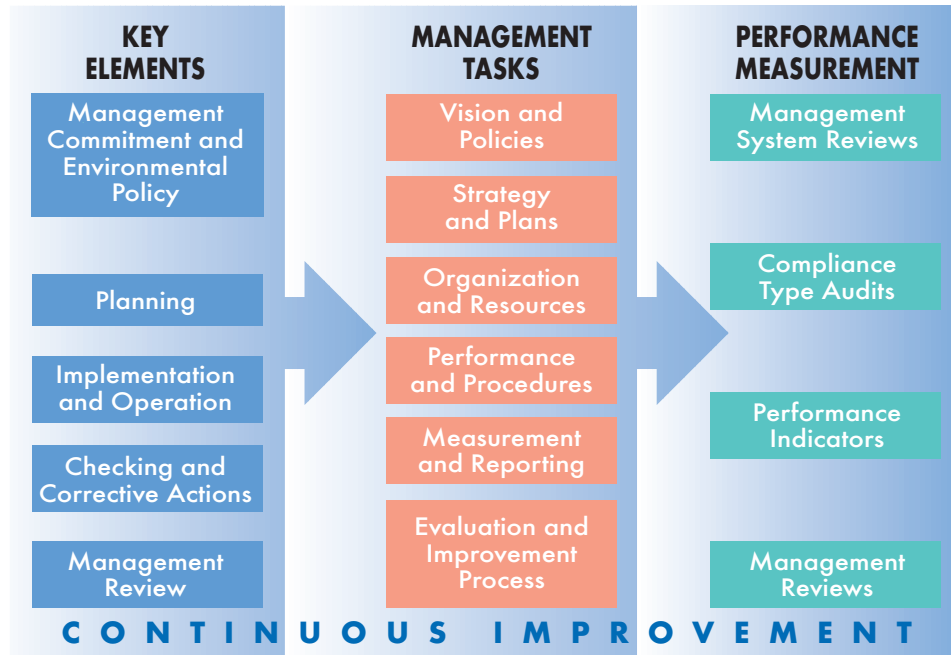
An EMS is a comprehensive process to identify, prioritize, and manage an organization’s environmental aspects and impacts. A successful EMS improves environmental protection, reduces total cost of environmental management, and improves productivity.

ISO 14001 is a voluntary international standard that establishes the requirements for an EMS. The objective is for an organization to establish an EMS that is integrated with its core business. Using a systems approach, NC helps you design a proactive EMS that emphasizes continuous improvement in environmental management and protection.



ISO 14001 REQUIREMENTS

An ISO 14001 EMS promotes integration of business functions with environmental management. It provides for continuous and verifiable improvement towards a safe working environment and reduced environmental impacts. EMS has five key elements. NC works with you to define and implement clear management tasks and performance measurement tools that ensure that you efficiently achieve your goals.



ISO 9001 AND ISO 14001

Most organizations are familiar with ISO 9000, Quality Management Systems. As illustrated here, there are seven areas where ISO 14001 parallels ISO 9001. Both of these standards require organizations to say what they do, do what they say, and then evaluate their system for conformance.

SIMILARITIES BETWEEN ISO 9001 AND ISO 14001

ISO 9001	ISO 14001
Quality Policy	Environmental Policy
Quality Management System Documentation	Environmental Management System Documentation
Document Control	Document Control
Inspection and Testing	Monitoring and Measurement
Corrective and Preventive Action	Nonconformance and Corrective and Preventive Action
System Audits	System Audits
Management Review	Management Review

ISO 14001 REGISTRATION

NUCLEUS will guide you through the ISO 14001 registration process

ISO 14001 registration provides benefits, such as validating the integrity of the organization's EMS and addressing anticipated customer and stakeholder requirements.

Organizations are registered by outside auditors or "registrars" as meeting the ISO 14001 standard. The registration can be for a specific company site, for several sites, or for the entire company.

There are several steps in the registration process:

- Establish the scope of the registration. This can be done internally or with the help of outside auditors.
- Apply for registration. This is a written application to the registration body.
- Review your organization's EMS documents and submit them to the registration body.
- Outside auditors perform a full assessment.
- Based on the auditor's recommendations, the certification body determines which designation the organization will receive:
 - Approval
 - Conditional or Provisional Approval
 - Disapproval.
- When a company is registered, it receives a certificate and is listed in a certification register.
- Ongoing activities are then required to maintain the registration. These include monitoring and measuring of EMS, investigating and handling nonconformances, implementing corrective and preventive actions, and maintaining environmental records.

BENEFITS OF IMPLEMENTING ISO 14001

NUCLEUS helps you implement ISO 14001 requirements effectively, so you can realize several important benefits.

Cost Savings

An effective EMS is a tool that, when implemented, will promote efficiencies, improve operations, and reduce costs associated with pollution and enforcement actions.

Less Time Spent on Regulatory Compliance

A strong EMS will lead to more reliable and predictable environmental performance, which can reduce or limit the severity of incidents and liability to the organization. Consistent performance can positively influence regulators' confidence that a company conducts its business in an environmentally safe manner, and result in limited inspections.

Positive Community Image

Companies have found that a strong EMS demonstrates concern for the local environment and fosters positive public relations and community support.

Lower Insurance Rates

By implementing a conforming EMS, fewer environmental and safety incidents arise, resulting in reduced liability insurance rates.

Competitive Advantage

Governments and multinational firms worldwide often favor companies with ISO 14001 registration. Since ISO 14000 is accepted internationally, organizations will need to meet only one standard.

Increased Revenue

More and more, consumers and businesses seek to invest in and do business with companies that can show that they are acting to reduce their impact on the environment.

Help Improve the Environment

EMS allows for improvement in air, water and soil quality through increasing awareness of environmental issues among employees and stakeholders.

Organizational Efficiency and Profitability

Thorough and well-planned EMS leads to better resource utilization and resulting cost savings for an organization.

Basis for Benchmarking

EMS allows organizations to compare their environmental performance using comparable environmental indicators and standards.

WHAT NUCLEUS DELIVERS TO ORGANIZATIONS

By using NC's experienced ISO 14000 technical experts and its vast corporate ISO and IT resources, NC is able to provide you with the following services tailored to making your organization's EMS implementation an efficient and cost-effective one. NC is your one-stop source for solutions that address all the elements of ISO 14001.

NUCLEUS will help your organization ...

- Identify its activities, operations, processes, products, and services that have significant environmental impacts.
- Set objectives and targets for reducing negative impacts.
- Select and implement activities to achieve identified targets.
- Promote integration of environmental management with operations and overall organizational management.
- Consider operating conditions and controls and their effect upon environmental impacts.
- Identify needed authorities, responsibilities and resources for EMS implementation.
- Use IT to monitor, track, and perform cost-benefit analyses of implementing ISO 14001.

Environmental Policy

- Appropriate to organization and complies with environmental regulations
- Commitment to continual improvement and pollution prevention
- Communicated, documented, implemented and maintained

Planning

- Environmental aspects and impacts
- Legal and other requirements
- Objectives and targets

Implementation and Operation

- Structure and responsibility
- Environmental training, awareness, and competence
- Communication
- Environmental management system documentation
- Document control
- Operational control
- Emergency preparedness and response

Checking and Corrective Action

- Monitoring and measurement
- Nonconformance, corrective, and preventive action
- Records
- Environmental management system audit

Management Review

- Changes to environmental policy
- Opportunities for continual improvement of the EMS

NUCLEUS ISO 14000 SERVICES ADD VALUE

NC is skilled in implementing ISO 14000 EMS services to its customers on schedule and within budget. NC's wide-ranging corporate resources allow it to commit technology and qualified staff to any size project.

NUCLEUS Provides You With...

- ISO 14001 expertise and experience, include gap analyses, EMS creation, implementation, communications, and training.
- Extensive experience involving commercial and government clients in the ISO 14001 process.
- Experts with ISO 14001 industry and teaching experience.

Contact us for more information on EMS services.

NUCLEUS CONSULTANTS
CHENNAI , TAMIL NADU, INDIA
karthi thiyagarajan - Lead consulatnt - karthiqms@yahoo.co.in

mail: mailtonucleus@yahoo.com
phone 9382834534