IN-CSR

BROCHURE

ISO 50001: ENERGY MANAGEMENT

TRAINING & CERTIFICATION COURSE

ISO Certified Management Systems Consultants, Facilitators and Auditors

ISO 50001 Energy Management

What is ISO 50001?

As an international standard, ISO 50001 specifies the requirements for organizations to develop, implement, and improve Energy Management Systems. This allows organizations to follow a specific framework that helps them achieve continual improvement in energy performance, efficiency, usage, and consumption. This framework specifies the measurements, documents, and reports, which enable organizations to monitor the progress of their processes and employees towards energy performance. ISO 50001 requires organizations to establish new policies for an efficient use of energy, to set aims and objectives to meet those policies and review their impacts; genuinely attempting to achieve continuous improvements of energy management.

Why is Energy Management important for you?

Energy is crucial to the organization's operations and can result in major costs regardless of its activities. Energy Management provides guidance on the usage of energy throughout the organization's supply chain, from raw materials to recycling. Apart from costs, energy usage contributes to climate change as well. Considering that the search for alternative energy sources can be time consuming; every organization should aspire to reduce energy consumption and use. In addition, organizations should attempt to increase employee awareness towards energy conservation.

By becoming ISO 50001 certified, you will acquire the necessary skills, which will enable you to help the organization comprehend the positive impacts of this standard. Likewise, you will assist the organization to reduce its contribution to global warming, thus become recognized as an environmentally friendly organization.
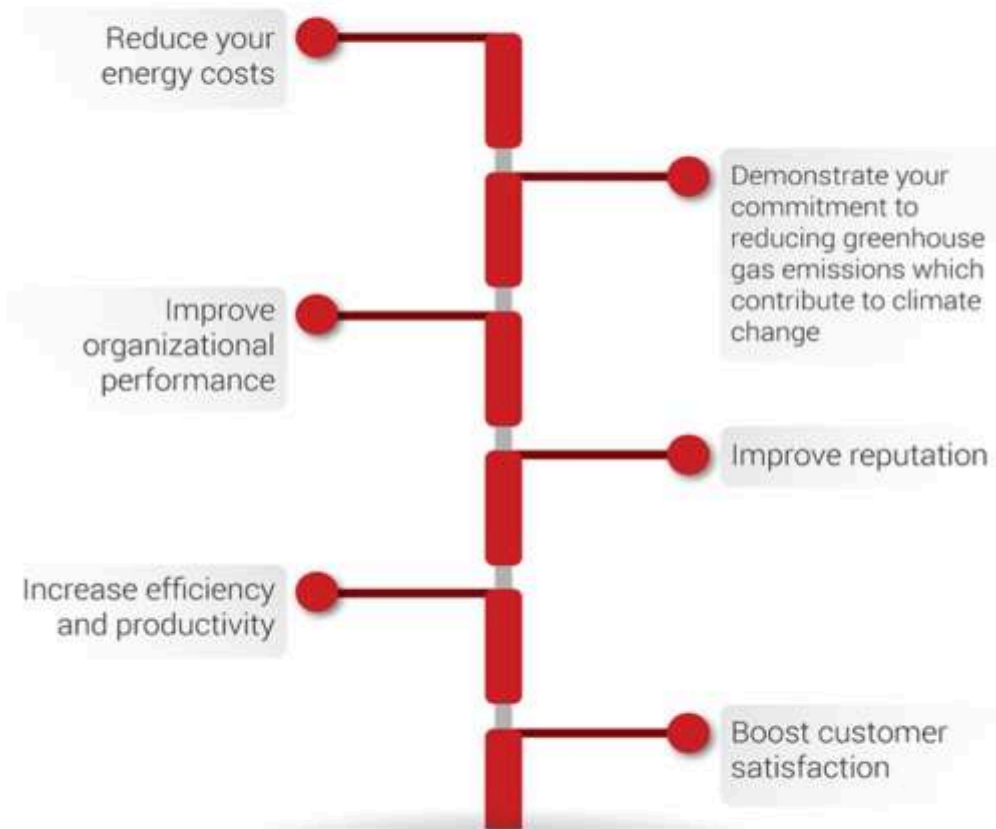
Benefits of ISO 50001 Energy Management

By becoming ISO 50001 certified, you will be able to:

- Increase energy efficiency
- Contribute to cost reduction
- Gain competitive advantage
- Increase effectiveness
- Promote best energy practices
- Improve energy performance
- Implement environmentally friendly practices

- Help the organization to improve its reputation
- Assist the organization in energy management
- Contribute to the organization's continuous improvement

Becoming certified against ISO 50001 will enable you to:

Reduce your energy costs

Demonstrate your commitment to reducing greenhouse gas emissions which contribute to climate change

Improve organizational performance

Improve reputation

Increase efficiency and productivity

Boost customer satisfaction

How do I get started with ISO 50001 Training?

If you use the opportunity to become ISO 50001 certified, we will make sure that our experts assist you throughout the entire process in order to offer you a worthwhile experience and welcome you to our global network.

ISO 50001 Lead Implementer

Why should you attend?

ISO 50001 Lead Implementer training enables you to develop the necessary expertise to support an organization in establishing, implementing, managing and maintaining an Energy Management System (EnMS) based on ISO 50001. During this training course, you will also gain a thorough understanding of the best practices of Energy Management Systems (EnMS) and be able to decrease an organization`s energy costs and improve its energy performance and sustainability.

After mastering all the necessary concepts of Energy Management Systems, you can sit for the exam and apply for a "PECB Certified ISO 50001 Lead Implementer" credential. By holding a PECB Lead Implementer Certificate, you will be able to demonstrate that you have the practical knowledge and professional capabilities to implement ISO 50001 in an organization.

Who should attend?

- Managers or consultants involved in Energy Management
- Expert advisors seeking to master the implementation of an Energy Management System
- Individuals responsible for maintaining conformance with EnMS requirements
- EnMS team members

Learning objectives

- Acknowledge the correlation between ISO 50001 and other standards and regulatory frameworks
- Master the concepts, approaches, methods and techniques used for the implementation and effective management of an EnMS
- Learn how to interpret the ISO 50001 requirements in the specific context of an organization
- Learn how to support an organization to effectively plan, implement, manage, monitor and maintain an EnMS
- Acquire the expertise to advise an organization in implementing Energy Management System best practices

Educational approach

- This training is based on both theory and best practices used in the implementation of an EnMS
- Lecture sessions are illustrated with examples based on case studies
- Practical exercises are based on a case study which includes role playing and discussions
- Practice tests are similar to the Certification Exam

Course agenda

Day 1: Introduction to ISO 50001 and initiation of an EnMS

Day 2: Plan the implementation of an EnMS

Day 3: Implementation of an EnMS

Day 4: EnMs monitoring, measurement, continuous improvement and preparation for a certification audit

Day 5: Certification Exam

Examination

The "Certified ISO 50001 Lead Implementer" exam fully meets the requirements of the PECB Examination and Certification Programme (ECP). The exam covers the following competency domains:

Domain 1: Fundamental principles and concepts of an Energy Management System (EnMS)

Domain 2: Energy Management System (EnMS)

Domain 3: Planning an EnMS implementation based on ISO 50001

Domain 4: Implementing an EnMS based on ISO 50001

Domain 5: Performance evaluation, monitoring and measurement of an EnMS based on ISO 50001

Domain 6: Continual improvement of an EnMS based on ISO 50001

Domain 7: Preparing for an EnMS certification audit

ISO 50001 Lead Auditor

Why should you attend?

ISO 50001 Lead Auditor training enables you to develop the necessary expertise to perform an Energy Management System (EnMS) audit by applying widely recognized audit principles, procedures and techniques. During this training course, you will acquire the knowledge and skills to plan and carry out internal and external audits in compliance with ISO 19011 and ISO/IEC 17021-1 certification process.

Based on practical exercises, you will be able to master audit techniques and become competent to manage an audit program, audit team, communication with customers, and conflict resolution.

After acquiring the necessary expertise to perform this audit, you can sit for the exam and apply for a "PECB Certified ISO 50001 Lead Auditor" credential. By holding a PECB Lead Auditor Certificate, you will demonstrate that you have the capabilities and competencies to audit organizations based on best practices.

Who should attend?

- Auditors seeking to perform and lead Energy Management System (EnMS) certification audits
- Managers or consultants seeking to master an EnMS audit process
- Individuals responsible for maintaining conformance with Energy Management System requirements
- Technical experts seeking to prepare for an Energy Management System audit
- Expert advisors in Energy Management

Learning objectives

- Understand the operations of an Energy Management System based on ISO 50001
- Acknowledge the correlation between ISO 50001 and other standards and regulatory frameworks
- Understand an auditor's role to: plan, lead and follow-up on a management system audit in accordance with ISO 19011
- Learn how to lead an audit and audit team
- Learn how to interpret the requirements of ISO 50001 in the context of an EnMS audit
- Acquire the competencies of an auditor to: plan an audit, lead an audit, draft reports, and follow-up on an audit in compliance with ISO 19011

Educational approach

- This training is based on both theory and best practices used in EnMS audits
- Lecture sessions are illustrated with examples based on case studies
- Practical exercises are based on a case study which includes role playing and discussions
- Practice tests are similar to the Certification Exam

Course agenda

Day 1: Introduction to Energy Management Systems (EnMS) and ISO 50001

Day 2: Audit principles, preparation and launching of an audit

Day 3: On-site audit activities

Day 4: Closing the audit

Day 5: Certification Exam

Examination

The "PECB Certified ISO 50001 Lead Auditor" exam fully meets the requirements of the PECB Examination and Certification Program (ECP). The exam covers the following competency domains:

Domain 1: Fundamental principles and concepts of an Energy Management System (EnMS)

Domain 2: Energy Management System (EnMS)

Domain 3: Fundamental audit concepts and principles

Domain 4: Preparation of an ISO 50001 audit

Domain 5: Conducting an ISO 50001 audit

Domain 6: Closing an ISO 50001 audit

Domain 7: Managing an ISO 50001 audit program

General Information

- Certification fees are included on the exam price
- Training material containing over 450 pages of information and practical examples will be distributed
- A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued
- In case of exam failure, you can retake the exam within 12 months for free

NOTE

This is a hybrid (combination of physical and online) training sessions where participants will attend a physical event in Lekki, Nigeria or interact with the instructor in real time through videoconferencing and other online platforms. We will also support participants through other electronic communication platforms such as e-mails and bulletin board postings.

PECB KATE software will be used to enable participants electronically access all training materials. Participants will have the option of taking a handwritten exam at our Secretariat in Lekki, Lagos or online from the comfort of their offices or homes anywhere in the world through PECB Exams app.

Our Expertise

About PECB – Our Partners

PECB is a certification body for persons, management systems, and products on a wide range of international standards. As a global provider of training, examination, audit, and certification services, PECB offers its expertise on multiple fields, including but not limited to Information Security, IT, Business Continuity, Service Management, Quality Management Systems, Risk & Management, Health, Safety, and Environment.

We help professionals and organizations to show commitment and competence with internationally recognized standards by providing this assurance through the education, evaluation and certification against rigorous, internationally recognized competence requirements. Our mission is to provide our clients comprehensive services that inspire trust, continual improvement, demonstrate recognition, and benefit society as a whole.

About International Network for Corporate Social Responsibility (IN-CSR)

International Network for Corporate Social Responsibility (IN-CSR) is an international team of Corporate Sustainability and Responsibility (CS&R) Consultants and Auditors working to promote best practices in Sub-Saharan Africa. We are registered as a non-Governmental Organisation in Nigeria (No 99264) and a certified training partner with PECB Group Inc a certification body which provides education and certification under ISO/IEC 17024 for individuals, products, services, processes and organizations on a wide range of disciplines.

We are one of Africa's leading Social Responsibility and Corporate Sustainability Consultants focusing on actual implementation of management processes and procedure – SR GAP Analysis, design of implementation tools, Stakeholder Engagement and Management, Measurement and Evaluation, Training on global standards and Awareness creation, Support with audits and third-party certification when required, and continual improvement processes.

IN-CSR is certified by the Federal Ministry of Environment and other related agencies to provide Consultancy Services on Environmental and Social issues including Baseline/Post Impact Studies & Compliance Monitoring and Audit, Waste Management Technology, Engineering Oil & Gas Pollution Control & Remediation.

We have over the years provided industry leading consulting and training programs in support of our various advocacy campaigns and more importantly to support the private sector in building sustainable businesses. IN-CSR is the foremost ISO 26000 Social Responsibility and ISO 20400 Sustainable Procurement and Supply Chain Management certified consultants in Sub Saharan Africa and are also experts in a number of other standards such as – ISO 45001, ISO 9001, ISO 22301, ISO14000, ISO 31000, ISO 37101 and ISO 37301 and guidelines such as the Extractive Industry Transparency Initiative (EITI), the G20 High Level Principles, International

Finance Corporation (IFC) Guidelines, the World Bank Good Practice Guidelines, Africa Finance Corporation (AFC Guidelines), the Consumer Protection Framework, the Governance Code, the Nigerian Stock Exchange Sustainability Disclosure Guidelines, as well as international standards – SAI Standards, IEMA and SA 8000 Platforms. Our management audits are benchmarked on world's most accepted sustainability auditing platforms – SA 8000, ISO 14001, ISO 26000 and 45001 while sustainability reports are usually based on GRI Standards except when specifically required on other platforms.

IN-CSR was in 2019 appointed by the National Human Rights Commission of Nigeria to lead the review of the National Action Plan (NAP) on Business and Human Rights working in partnership with the senior management of Nigerian Stock Exchange (NSE), key stakeholders of the Organized Private Sector (OPS) and Judges from the National Industrial Court of Nigeria (NICN). We have also continued to participate at the annual Conference of Experts on Public Administration (CEPA), held at the United Nations Head Quarters in New York, contributing to global public governance, and was recognized by Prof Louis Meuleman of the United Nations in his book titled "Public Management and the Metagovernance of Hierarchies, Networks and Markets for this. In the past two years, we have participated as only civil society member from Sub Saharan Africa of the Working Group on Cross Boarder Cartels at the United Nations Conference on Trade and Development (UNCTAD).

In 2021, we trained high-level delegates from the National Information Technology Development Agency (NITDA) on Digital Responsibility and Telecommunications.

In 2022, IN-CSR successfully completed Environmental Audits on over 90 branches of select commercial banks in Nigeria in fulfilment of NESREA regulatory requirements. Our team has also completed full integration of ISO 26000 Social Responsibility Guidance Standard in two global companies – IHS Nigeria Plc and Seplat Energy Plc - both of which involved extensive stakeholder identification, mapping, prioritization, and engagement.

Our Values are: Integrity, Professionalism and Fairness. Further detailed information can be found on our webpage https://www.incsr.org/about-us/

Lead Consultant – Profile

Eustace Onuegbu is a certified Management Systems Consultant and Audit Partner; the pioneer ISO 26000 Social Responsibility and ISO 20400 Sustainable Procurement Senior Lead Implementer and Master Auditor in Africa; an ISO 37301 Compliance Management, ISO 37101 Sustainable Development in Communities, ISO 14001 Environmental Management, ISO 45001 Occupational Health and Safety, ISO 9001 Quality Management, ISO 31000 Risk Management, ISO 22301 Business Continuity - Senior Lead Implementer and Master Auditor with the Professional Evaluation and Certification Board (PECB), Canada and a Fellow of the Institute of Management Consultants (IMC), Nigeria. He is presently serving as the President of International Network for Corporate Social Responsibility (IN-CSR). He is also the Head, Learning and Development for the Sustainability Professionals Institute of Nigeria (SPIN).

Eustace is the initiator and host of the International Conferences on Business and Human Rights and has worked with leading organizations such as the IHS Nigeria Plc, Seplat Energy Plc, Dangote Industries Ltd, Central Bank of Nigeria; Zenith Bank PLC, FCMB, Centre for International Governance, and Innovation (CIGI) Canada; The Federal House of Representatives, Abuja; Oil and Gas Free Zones Authority among others on projects focusing on Sustainable Development, Corporate Sustainability and Responsibility, Corporate Governance, Compliance Management, Business Continuity, Risk Management amongst others. In his past 18 years of practice, he has made several representations to international organizations including the United Nations, African Union, ECOWAS, and The Senate of Federal Republic of Nigeria on a wide range of environmental and social impact issues.

Eustace is a leading CS&R expert and an avid advocate of instituting global best practices in the conduct of Corporate Sustainability and Responsibility (CS&R) in Africa. He holds a degree in Marketing from Abia State University in Nigeria, another in International Business and Management from Amsterdam School of Business, The Netherlands, a post graduate degree in International Human Rights Law from Birmingham City University in the United Kingdom and a Doctor of Business in Sustainability candidate at Monarch Business School, Switzerland.

Document Approval Sheet

Proposal approved by			
Name	**Postion**	**Signature**	**Date**

Please, sign and return via electronic mail to info@incsr.org

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