

The Energy Training Foundation (EnTF)

Training and certification of energy professionals in Southern Africa

- Sole approved training partner of the AEE for the Southern African region
- Affiliated training provider of the SAEE
- Fully accredited EWSETA training provider
- ECSA CPD credits for all training courses
- Training division of Energy Cybernetics (PTY) Ltd

Energy Management System Implementation (EnMSI)



An ISO50001:2011 training course for those who require an understanding of the importance of the energy management standard, how to implement it, the resultant energy savings possibilities and improved overall energy efficiency by managing energy use in accordance with international best practice.

The two-day Energy Management System Implementation (EnMSI) course was developed with Certification Europe (CE) to implement the ISO50001:2011 Energy Management System standard in the South African market. The course provides guidance on implementing the principles of the standard throughout all industries to ensure the viability of energy savings initiatives.

The course uses case studies and practical exercises to provide delegates with the knowledge and understanding to implement an energy management system that is compliant with international best practice, and to ensure that their existing system meets the requirements of EN16001:2009/ISO50001:2011.

Our course trainers are all highly experienced energy management system auditors, so delegates have access to first-hand knowledge on how energy management systems are being implemented in a variety of industries.

TRAINING PROGRAMME OUTLINE

- The financial, organisational, production and sustainability benefits of correct implementation
- The ISO50001:2011 standard overview and integration with existing operational standards
- Planning for energy management system implementation
- Setting the basis for improvement through implementation with the end in mind
- KPI's and legal obligations
- Resource management and competence evaluation
- Operational and project control
- Monitoring and measurement for accuracy
- Management review

COURSE OUTCOMES

- Gain a thorough understanding of international best practice in energy management
- Practical case studies and exercises assist with understanding the concepts

- Start the implementation of an energy management system in accordance with ISO50001:2011

DELEGATE PROFILE

- Persons who are responsible for the energy management within the commercial, industrial and mining industries
- Persons in the financial, technical, environmental, human resources and management structure of an organisation who need to understand the effect and need of energy management and ISO50001:2011
- Persons who need to incorporate ISO50001:2011 in their plants with existing ISO standards for safety, health and the environment
- Persons who need to implement and maintain an energy management system
- Organisations wishing to reduce energy costs whilst improving plant efficiency
- Organisations that trade internationally and could be affected by ISO50001:2011 trade barriers

BASIC SKILLS REQUIRED

The EnMSI is designed to give a holistic overview of energy management and no specialised knowledge of the industry or skills are required.

ENMSI IN-HOUSE TRAINING VALUE ADDED SERVICE

The EnTF offers a value added service, on a quotation basis, where the EnMSI training is incorporated with a consultancy service. This is exclusively available for in-house on-site sessions where top management, supervisory staff and other relevant employees are trained in EnMSI whilst developing a status quo stance of the client's site against ISO50001:2011.

This approach provides the client with enough information to make informed decisions to implement an energy management policy and plan so that the maximum energy savings targets can be set, met and sustained in the long-term and that maximum return on any energy efficiency and renewable investments are achieved. After the session the client will have a clearer understanding of:

- What needs to be done on the site to achieve optimal energy management
- Significant energy use areas will be identified
- Estimates of what energy savings could be expected

- What needs to be further investigated for more accurate energy saving targets
- Who needs to be trained and to which level
- Which services would need to be outsourced
- Which services could be catered for in-house
- How much needs to be invested in the short, medium and long-term
- Which technologies and retrofits need to be considered
- Which incentives and rebates could be pursued
- What is required to continuously save energy

RECOGNITION

Engineering Council of South Africa (ECSA)

2 Continuing Professional Development (CPD) credits for ECSA registration.

Association of Energy Engineers (AEE)

2.8 credits for Continuing Professional Competency (CPC) demonstration to re-certify on another AEE certification program.

Attendance certificate

Attendance certificate will be issued to all delegates that attend the full duration of the training course.

TRAINING COSTS*

R4 450.00 (excl. VAT)

Includes: 2-day EnMSI training course, manual, lunch, teas and coffees

Duration: 2 days of training

Examination: There is no examination

*Terms and conditions

1. A 25% deposit secures the booking, with the full fee due 14 days prior to training.
2. Cancellation fee within 14 days of training, 25%.
3. Lunch, tea and coffee are provided. Kindly advise the EnTF of any special catering restrictions.
4. Travel, accommodation, breakfast and dinner arrangements is the responsibility of each delegate.
A list of accommodation possibilities will be forwarded to you with confirmation of attendance.

ATTENDANCE REGISTRATION

Logon to www.energytrainingfoundation.co.za to register online or download a manual registration form and email it for the attention of Thieda Ferreira thieda@entf.co.za.

About the Energy Training Foundation

The EnTF offers tailor-made training courses to fulfil the energy training needs of the industrial, mining and commercial industries in Southern Africa. EnTF is an accredited EWSETA training provider, and all courses carry CPD credits for ECSA requirements. EnTF is the sole approved US-based Association of Energy Engineers (AEE) training partner for the Southern African region. The most popular standard courses are: Certified Energy Manager (CEM®), Certified Energy Auditor (CEA™), Certified Measurement and Verification Professional (CMVP®), Certified Renewable Energy Professional (REP™), Fundamentals to Energy Management Training (FEMT), Energy Management System Implementation (EnMSI), Building Energy Audit Training (BEAT) and Measurement & Verification Standard Training for South Africa (MVST-sa).



The EnTF is the sole approved training partner for the Southern African region of the US-based Association of Energy Engineers (AEE) who has been promoting the scientific and educational interests of those engaged in the energy industry and developing energy engineering programmes since 1977. AEE certification qualifications are recognised world-wide in 98 countries.



The EnTF is the affiliated training provider for the AEE's chapter in South Africa, the Southern African Association for Energy Efficiency (SAEE). The SAEE has been facilitating information dissemination, networking and training in the region since 2002.



The EnTF is a fully accredited Energy and Water SETA (EWSETA) training provider in South Africa.



All EnTF courses have ECSA accreditation for CPD credits to ensure maximum benefit for professional development in the engineering industry of South Africa. ECSA CPD credits, where appropriate, may be used towards Professional Development Hours (PDH) or Continuing Education Units (CEU) for the AEE's re-certification programme to ensure Continuing Professional Competency (CPC).