



POWER AND ELECTRICAL TRAINING

Energy Management Systems and ISO 50001 Implementation

5 day course

Classroom, online or in-house

Course overview

A structured energy management system turns energy saving from a series of projects into a permanent capability. This course covers the implementation of one to the ISO 50001 standard. Delegates work through the requirements clause by clause, establish an energy review and baseline, define energy performance indicators that survive changes in production volume, set objectives and action plans, and design the measurement, monitoring and verification that demonstrate a saving is real. Internal audit and management review are covered, along with the practical problem that defeats most systems: attributing a change in consumption correctly when production, weather and product mix all moved at the same time.

What you will learn

- Interpret the requirements of ISO 50001 and their practical implications
- Conduct an energy review and establish a defensible baseline
- Define energy performance indicators that hold under changing production
- Set objectives, targets and action plans that are actually achievable
- Design measurement, monitoring and verification for claimed savings
- Attribute consumption change correctly when several variables moved
- Plan internal audit and management review of the system

Who should attend

- Energy managers and energy engineers
- Facilities and utilities managers
- Environmental and sustainability professionals
- Quality and management system practitioners
- Operations managers accountable for energy cost

Course outline

- 01 The case for a system rather than a series of projects
- 02 ISO 50001 requirements clause by clause
- 03 Energy review, significant users and the baseline
- 04 Energy performance indicators and normalisation
- 05 Objectives, targets and action plans
- 06 Measurement, monitoring and verification of savings
- 07 Attributing change correctly across multiple variables
- 08 Internal audit, management review and continual improvement

Upcoming dates

Dates	Venue	Format	Fee per delegate
21 to 25 September 2026	Online	Online	R8,500
28 September to 2 October 2026	Windhoek, Namibia	Classroom	R19,950
9 to 13 November 2026	Dar es Salaam, Tanzania	Classroom	USD 1,325
16 to 20 November 2026	Maseru, Lesotho	Classroom	R19,950



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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