ENERGY MANAGEMENT SYSTEMS (ISO50001)

Services and Solutions

The emphasis of ISO50001 Energy Management Systems (EnMS) Standard is continual improvement.

We believe that to achieve continual improvement in energy management, control and operation must be embedded within an organisation and not fully outsourced.

In order to achieve this, the following services and solutions can be offered:

- Gap Analysis
- Energy Policy Development
- Procedural Manual Development
- Full ISO50001 Implementation
- Online Energy Management System Tools
- Training in Implementation and Auditing

delivered by **iprophets** energy services

GAP ANALYSIS

The objective of Gap Analysis audit is to evaluate the readiness of your organisation against the Energy Management System processes detailed in ISO 50001.

The Gap Analysis will therefore guide your organisation in implementing this new Management System and check the preparation of your organization for implementation.

Gap Analysis process is as follows:

- Definition of scope
- Gap Analysis audit
- Report of non-conformities and opportunities for improvement

Documentation, policy and procedures will be assessed and the gap analysis report will be presented for discussion, feedback and the formalisation of an implementation plan.

ENERGY POLICY DEVELOPMENT

A key component of an Energy Management System to ISO50001 is the development of a detailed energy policy that can be deployed across the organisation.

Our specialist team can assist through a series of workshops the development of an energy policy to meet the requirements of section 4.3 of ISO50001, creating the foundation for successful system implementation.

PROCEDURAL MANUAL DEVELOPMENT

The procedural manual is a key document of the energy management system as it states the Energy Policy, objectives and targets. It describes the Energy System of an organization and may relate to an organisations total activities or to a selected part of it, e.g. specified requirements depending upon the nature of products or services, processes, contractual requirements, governing regulations etc.

It is expected to provide an adequate description of the management intention to fulfill system requirements whilst serving as a permanent reference for implementation and maintenance of the system through the deployment of process, procedure, forms and registers.

FULL ISO50001 IMPLEMENTATION

Our approach is to work with the client to achieve successful internal enablement. An expert consultant would be allocated to a specific organisation and work through a number of steps to achieve full stakeholder engagement. This approach ensures that resource is maximised both externally and internally.

Typically our approach would follow the steps below:

- Initial review of organisational needs and gap analysis

- Define boundary of organisation

- Formalisation of Energy Policy within framework with objectives

- Formalisation of procedural manual

- Definition of stakeholders and roles

- Identification of applicable legislation

- Define and implement monitoring and reporting

- Identify and formalise energy factors

- Identify and formalise energy improvement opportunities

- Implement internal training and communication plan

- Initiate review and audit process and procedure

As an approved BSI Associate Consultancy (ACP), i-prophets are able to assist and direct in the formal certification against ISO50001.

PROVISION OF ONLINE ENERGY MANAGEMENT SYSTEM - DIGITALENERGY®

If you are considering going further than the requirements for compliance the digitalenergy system offers a complete energy management solution. The digitalenergy Software Application provides facilities with functionality under the following headings.

- Capture of data on building assets

- Organising and accessing buildings in portfolios and organising and accessing portfolios at enterprise level

- Data capture from metered supplies and presentation for monitoring

- Project management and forecasting

- Reporting

- Carbon Reduction Commitment management

- Document management

- Building logbook creation

- Audit reporting

- Access and privilege control

- Data security

Compliance is just one small part of the functionality in which digitalenergy® can assist organisations. The system is a powerful tool in the implementation of energy strategies. With its flexible structure and user friendly dashboard, the opportunities for use are wide.

Applications that can be implemented through the use of digitalenergy® when incorporated onto the carbon expressway™ include:

- Implementation of ISO 50001

- Preparation for carbon trust standard or equivalent

- Monitoring and reporting of consumption data

- Energy project and opportunity management

- Production and management of display energy certificates (DEC)

- Management of energy performance certificates (EPC)

- Creation of building energy logbooks (TM31)