

The UK's Energy Management Expert Hub



About ESTA

The Energy Services and Technology Association (ESTA) is the UK's leading Energy Management industry association with over 25 years involvement in the Energy Management industry in the UK.

ESTA is made up of over 100 member organisations supplying products, systems and services covering energy efficient monitoring, control, operation and management of buildings, building services and process services.

Energy consumption and cost are the primary considerations but ESTA also considers the positive impact of energy management measures on security of energy supply to organisations' sites, the advantages in terms of CSR and the legal requirements to meet legislation and regulations.



The Energy Management Expert Hub

ESTA members play an important role in the overall development of the energy management industry by contributing to the following key areas:

Market knowledge

- Members have unrivalled industry expertise and are best placed to provide independent advice to energy end-users.
- In depth knowledge of funding mechanisms for the purchase of energy products & services.
- Facilitators of highly informative conferences, training courses, workshops & other events.

Products & services

- ESTA members are responsible for the development of market leading energy management products and services.
- Members are constantly delivering significant levels of energy and carbon savings to energy end-users in the public & private sectors.
- Members provide full ESCO (Energy Contracting) Services to energy end-users which guarantee significant energy savings.

Policy development

- Development of industry best practice standards & codes of practice.
- Participation in a wide circle of energy related forums & working groups.
- Detailed analysis and recommendations on key pieces of energy, environmental & building legislation for the benefit of energy end-users.

Why use an ESTA member?

Market knowledge

ESTA and its members are renowned for keeping energy end-users up to date with the latest issues affecting the industry whether it is legislation, compliance standards, grants and funding opportunities or the latest building regulations.

ESTA use a variety of different communications channels to constantly inform energy end users. A key source of information is provided by the extensive programme of conferences, clinics, workshops and training in the energy management industry.

The events are always extremely well attended by Energy Managers, Facilities Managers, Managing Directors, local authorities, policy makers and energy suppliers.

For more information about ESTA events please visit www.esta.org.uk/events

Products & services

ESTA aims to reduce energy consumption through the application of technology and expert services.

Members are at the forefront of new product and service development and are constantly educating key energy end-users in the current and emerging Energy Management techniques.

All the products and services developed by ESTA Members make a significant contribution to the Government objectives of reducing the levels of carbon emissions and increasing the levels of energy efficiency.

Policy development

ESTA believe that the whole climate change agenda represents an excellent opportunity for Energy and Facilities Managers to gain boardroom support for energy and environmental initiatives. It can be the key to moving energy towards the top of the Board's agenda and with it all aspects of Energy Management.

Members work tirelessly to enhance and maintain the reputation of the sector by working closely with key energy and carbon stakeholders; participating in a wide circle of energy related forums and working groups to promote and devise clear guidelines for policy that will achieve successful implementation.

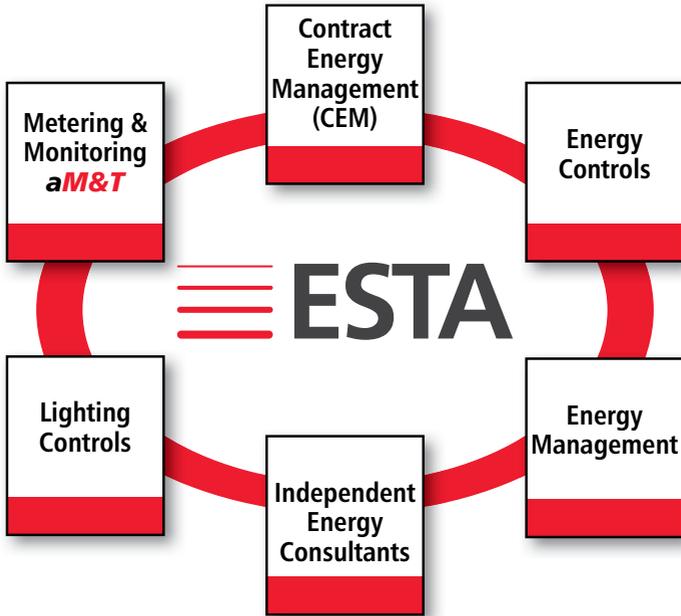
ESTA has played a significant role in the development of numerous Government initiatives to reduce Greenhouse Gas and CO₂ emissions and have been the principal drivers in developing Energy Management Standards and codes of practice such as ISO/CEN/BSI/ASPCoP.

Knowledge of these initiatives and experience in their development could prove vital in enabling energy end-users to achieve savings that ultimately prove greater than the cost of the Climate Change Levy.

- Climate Change Levy
- Building Regulations
- Enhanced Capital Allowances
- Building Energy Labelling
- Carbon Reduction Commitment
- Energy Services Directive
- Green Deal

What are the Key Focus Groups within ESTA?

ESTA supports the development of the energy industry by concentrating on six key products and services. In doing so it provides a focus on the political, economic, technological and environmental issues affecting the Energy Management Industry.



1

Contract Energy Management (CEM)

CEM is a service that guarantees the delivery of energy savings on a particular site or estate over a set period of time. Savings are delivered by applying intelligent building controls and other innovative technologies.

2

Energy Controls

Energy Control Systems play an essential part in regulating energy use and keeping carbon usage low. In order to promote the installation and usage of controls ESTA has established a set of guidelines to help designers and engineers focus on the essential aspects.

3

Energy Management

Energy Management is about the promotion of various techniques that can be used to promote a programme of energy reduction. Examples of this type of technique are InfraRed Thermography (to identify & reduce air leaks) and Voltage Optimisation (adjust supply voltages to maximise efficiency).

4

Independent Energy Consultants

Independent Energy Consultants provide the expertise and resource to support the many schemes and initiatives in the current energy market such as the provision of Energy Performance Certificates and Display Energy Certificates, verification of carbon emissions for EUETS and CRCEES and advice on various pieces of energy legislation.

5

Lighting Controls

Efficient lighting control systems can also play a significant role in reducing building energy consumption. Many projects involving lighting controls have a payback within 6-18 months. Lighting controls may be generally categorised as:

- Stand alone controls
 - Lighting control systems
 - Lighting integrated into the main Building Energy Management Systems (BEMS).
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6

Metering & Monitoring **aM&T**

Effective energy management programmes are often driven by accurate energy metering technology.

To support this activity ESTA introduced the term automatic Monitoring and Targeting. **aM&T** provides energy data to the point of management using the meters, automatic meter reading, collation of the data from diverse sources and analysis and presentation of the results. This allows energy managers to focus on the key variations and poorly performing areas of their sites.
