



Energy management for energy savings

**1-day course to be held at the Energy Institute, 61 New Cavendish Street, London, UK
26 March, 4 September 2007**

This day has an informal style and is being held in a seminar and workshop style. Delegates are asked in advance for an overview of their specific needs and experience so that those needs, or problems, are addressed.

Via the use of an action workbook participants leave with agreed actions and a vision as to the way to progress energy saving solutions within their organisation.

The morning session has a structured nature where a grounding is provided in current policies and regulation. The afternoon is tailored and flexible, using material appropriate to needs and interests.

Follow up contact with the course presenters is available after the event to help the delegate to implement solutions and approaches.

The **Energy management for energy savings** course offers an opening to energy use and efficiency and serves as an introduction to other, more specific EnergyManagement or Technical Energy Institute courses. It is oriented towards those responsible for or wanting to:

- **Understand and quantify the actual use of energy**
- **Reduce costs**
- **Reduce CO₂ emissions**
- **Comply with increasing legislation**

First session

- Overview of the global perspective of energy supply and resources including long term forecasts for fossil fuels, renewables and nuclear power.
- Technologies new to the market, such as fuel cells are covered plus signposting of alternative supplies.
- International protocols such as Kyoto and their implications/relevance for the longer term.

Second session

- More specific issues from the EU such as the Energy Performance of Buildings Directive and the Emissions Trading Scheme.
- UK perspective based around the 2003 White Paper, Our Energy Future plus the upcoming Energy Review
- The Climate Change Levy and Agreements, Enhanced Capital Allowances, and recent changes to the Building Regulations parts L and K
- The role of the Carbon Trust and its range of services are discussed including loans for SMEs and consultancy advice.

Activities

- The energy champion, raising awareness, the energy warden, the people role
- The policy, the plan of action. Stakeholders
- Monitoring and targeting. The metering issues
- The audit, the survey, defining the actions, justifying the costs
- The capital budget, for specific energy savings or the energy role in all capital spend
- Accounting, reporting.
- Supporting activities:
 - Education and training
 - The Energy Efficiency Accreditation Scheme and ISO 14001
- New developments, such as Carbon Management, and its relevance to the energy manager, are introduced.

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www.energyinst.org.uk

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61 New Cavendish Street
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Final session

- Relevant technologies and services, with the emphasis dependant upon delegates' needs and interests. These could be drawn from heating and air conditioning, refrigeration, steam systems, lighting, compressed air, variable speed drives, water management, etc. Other material, such as the role of the Standards for Managing Energy, is also available
- A workshop concludes this session, with a wide range of subject matter available.

Learning outcomes: upon completing this course delegates will:

- Understand the needs to reduce energy consumption and / or carbon emissions in an energy efficient way
- Recognise the basic techniques and how to set up an energy management programme
- Appreciate the steps involved to identify energy saving opportunities of a technical or people-based nature
- Understand the needs for proper monitoring and feedback
- Be aware of current and forthcoming relevant legislation and regulation
- Have the opportunity to discuss their own work-based needs and will take away an action plan to address them. This will subsequently be followed up by the presenter.

Follow-up

The **Energy management for energy savings** course includes follow up by the presenter, who will contact delegates a few weeks later to discuss actions, the rate of progress, barriers or any relevant questions which may subsequently have arisen.

Lead presenters: Professor Martin Fry CEng FEI , Martin Fry and Associates and Trevor Floyd IEng, AMEI, Tenby Consulting Group

Some companies that have benefited from attending the Energy management for energy savings course are:

- Translink
- The Carbon Trust
- Glaxosmithkline
- Airbus UK
- University of Leeds
- Total Environmental Management
- Atkins Power

The cost of the course is **£199.00** (£233.83 inc VAT) for members of the Energy Institute, and **£299.00** (£351.33 inc. VAT) for non-members (please note you can become an affiliate member for £78.00 (VAT exempt)).

Cost of the course includes:

- Provision of course material: tutor's presentations, action workbook etc.
- Carbon Trust's Good Practice guides
- Current copy of *Energy World* magazine
- Reduced subscription rate to Croner's Energy Management publication, a practical guide for those wishing to reduce their energy costs and usage
- Personal follow-up with the course lecturer a month after the course

In the majority of cases, the savings achieved after attending the course will repay its cost many times over.

To register for any of these courses, please go to the Energy Institute website at www.energyinst.org.uk to download an application form. You can also contact the Professional Development Officer at education@energyinst.org.uk

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