

Energy Auditing

With increasing energy prices and the presence of legislative drivers such as the CRC Energy Efficiency Scheme, businesses are increasingly seeking to identify ways in which to reduce their energy consumption (and subsequent CO₂ emissions) through better energy management practices. Proactive energy management has direct commercial benefits, with most businesses being able to save between 10-25% of their energy bill through low or no-cost measures.



Energy Efficiency

Implementation of energy efficiency and energy management measures is a critical first step in reducing greenhouse gas emissions and demonstrating a firm commitment to environmental management for many organisations.

On the regulatory front, energy efficiency is being targeted as an important means of slowing the growth in carbon emissions and of managing peak load electricity in particular.

Many products are now rated for energy efficiency and new buildings have to meet minimum energy standards. All buildings across the EU are required to produce an energy performance certificate on sale or rent.

In addition (and most significantly, as a result of changes brought about by the UK governments Comprehensive Spending Review), many businesses are required to pay for every Tonne of CO₂ emitted as a result of energy consumption.

Governments are introducing mandatory energy efficiency assessments and energy targets for energy-intensive manufacturing organisations and planning on extending energy targets to commercial offices in some parts of the world. Government funding is also available in some countries to assist companies embarking on an energy efficiency improvement program in meeting standard payback periods on capital investments.

Energy Auditing

An energy audit is an ideal means of identifying ways to reduce your energy consumption, ensuring that the most appropriate sources of energy are employed, and promoting efficiencies which will benefit the entire organisation.

Depending on the specific client requirements the energy audit could comprise:

- An initial opportunities assessment to determine overall quantities, costs and seasonal trends in energy use identified.
- A screening survey covering major energy consumers and processes, identification of energy wastage and inefficiencies, gaps in metering, and reporting of energy use and priority areas for further investigation.
- Detailed investigation and analysis of screening survey findings and provision of advice on the options for achieving efficiency gains through technical or operational improvements.

Sol Environment's Energy Services

Sol's registered 'Low Carbon Consultants' and can assist in all aspects of energy management including:

- Site-level energy policy;
- Monitoring and targeting;
- Benchmarking of energy and water use;
- Specific technology support and advice: heating, boilers, refrigeration, air conditioning, compressed air, ovens etc;
- Implementation, specification and project management of energy reduction measures;
- Employee and technical training;
- Carbon footprinting;
- Annual reporting and verification of Carbon Emissions (EU ETS / CRC);
- Energy Performance Certificates (EPCs).

For further information please contact;

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