

## Looking to reduce your energy costs? Start with an energy audit.

Every business wants to control its energy spend. It's one of the key areas of expenditure that every organisation has to face. It's also complex. Energy saving measures can range from buildings and equipment upgrades to awareness programmes that can change staff behaviour.

So where do you begin? To identify where you could make substantial savings, the best place to start is with a professional energy audit. Your qualified assessor will look closely at every aspect of your energy consumption and suggest specific solutions to reduce your energy expenditure and carbon emissions, and comply with energy legislation. If you're ready to unlock ongoing savings, it's time to find out how our energy audit and compliance services can help your business.



# The key to saving is understanding

An energy audit is an essential first step in understanding how your organisation uses energy – and, of course, to identify how it could use less.

So what does it involve? Our expert auditors analyse factors that impact on your organisation's energy consumption. The object is to identify ways that less energy can be used without affecting performance.

We conduct and report all energy audits to the British Standard BS EN 16247 and the International Standard ISO50002, and can offer a number of bespoke solutions to suit your organisation's unique needs.

## Standard energy audit

We start with a desk top audit where we analyse your consumption data, determine scope, and review previous surveys and legislation requirements. We follow this with a site visit to build a deeper understanding of the various energy uses throughout the building. You'll then receive a final report which combines the desk top audit and site visit findings, and includes

recommendations for energy conservation measures ranked by their expected payback. It's good practice to conduct a standard energy audit every 3 to 5 years.

## Display Energy Certificate (DEC) and Advisory Report (AR)

DECs are compulsory for public sector buildings over 250m<sup>2</sup> that are frequently visited by the public.\* Their purpose is to inform visitors about the energy use of a building, by rating its energy efficiency from A to G. To issue a DEC, we review your energy consumption data for a year and benchmark this against a similar building type. We also conduct a site visit to gather further information to generate a standard Advisory Report, which details recommendations for improvements, ranked by low, medium and high according to their carbon impact. A DEC is generally renewed

annually with the accompanying Advisory Report renewed every 7 years, unless it covers the Energy Savings Opportunity Scheme which is valid for a 4 year period. We also help private companies obtain a DEC as part of their corporate social responsibility activities.

## Investment grade audit (IGA)

While a standard energy audit explores the viability of an Energy Performance Contract (EPC), an Investment Grade Audit provides a more detailed review of your current energy technologies and consumption in order to project how this would change with the introduction of new technologies. The IGA will look in detail at your chosen energy conservation measures, giving you an accurate view of costs and future savings. Energy savings are calculated using the International Performance Measurement and Verification Protocol to establish guaranteed savings.

\* Source: <https://www.gov.uk/government/publications/display-energy-certificates-and-advisory-reports-for-public-buildings>



## Automatic Monitoring and Targeting (aM&T)

For this desk top audit, we use our in-house aM&T software, Business Energy Intelligence, to analyse energy data generated by your meters. We then issue reports showing various comparisons, exceptions and usage trends. We can also provide data intelligence and interpretation, and make recommendations including changes to your Building Energy Management System.

## Building Energy Management System (BEMS) audit

Automatic control of your plant and equipment can lead to a reduction in your energy cost and improved operational performance. The BEMS audit, conducted to BS15232 standard, involves a site visit to understand your current BEMS operation. The final report outlines recommendations for enhancing the system – including recommendations for remote services – and the value these changes could bring.

## Energy Saving Opportunity Scheme (ESOS)

ESOS compliance is compulsory for companies that employ over 250 staff or that have an annual turnover of over €50m (approx. £38-39m), and an annual balance sheet total in excess of €43m (approx. £33-£34m).

Audits must be completed or reviewed by an ESOS Lead Assessor and signed off by a Company Director. We have qualified in-house ESOS Lead Assessors and offer energy audits and DEC's as means of ESOS compliance.

## Energy Performance Certificate

An Energy Performance Certificate rates the energy efficiency of your building from A to G (with 'A' being the most efficient). You must have an EPC if you rent or sell your premises, if a recently constructed building is finished, or if there are changes to the number of parts used for separate occupation and these changes involve providing or extending fixed heating, air conditioning or mechanical ventilation systems. We can issue Energy Performance Certificates for your premises, which are valid for 10 years.

## Minimum Energy Efficiency Standards (MEES)

The introduction of recent MEES legislation means that landlords of commercial properties with an EPC rating of F or G, must implement measures to improve their property to at least an E, or register for an exemption. We can help you meet the MEES standards through our range of audits and the installation of energy efficiency measures, and the issue of Energy Performance Certificates.

## A range of services for tailored solutions

Every organisation is unique. In order to understand yours, we offer a range of services to analyse factors that have an impact on your organisation's energy consumption. The goal is to identify ways that less energy can be used without affecting performance, highlight solutions which can lead to significant energy savings, and help you comply with energy legislation.



# Why choose SSE Enterprise Energy Solutions for your energy audits and compliance?

## A complete energy partner

We have the resources and scale to tackle even the biggest and most complex energy-related projects anywhere in the UK. Our qualified assessors are part of an extensive team of engineers, technicians and experts nationwide who have the knowledge and skills to identify energy saving potential and design and install appropriate systems and measures.

## A responsible business

Our commitment to the highest standards of customer service means that we deliver on our promises, always putting your needs first. SSE is a standard bearer for corporate and social responsibility. We insist on paying at least the Living Wage to all our employees. We're also the only Fair Tax Mark accredited company in the FTSE 100.

## A trusted partner

You can rely on us to ensure that any recommendations we make will be aligned to the International Performance Measurement and Verification Protocol.

**To find out more about our energy audits and compliance services, get in touch today.**



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