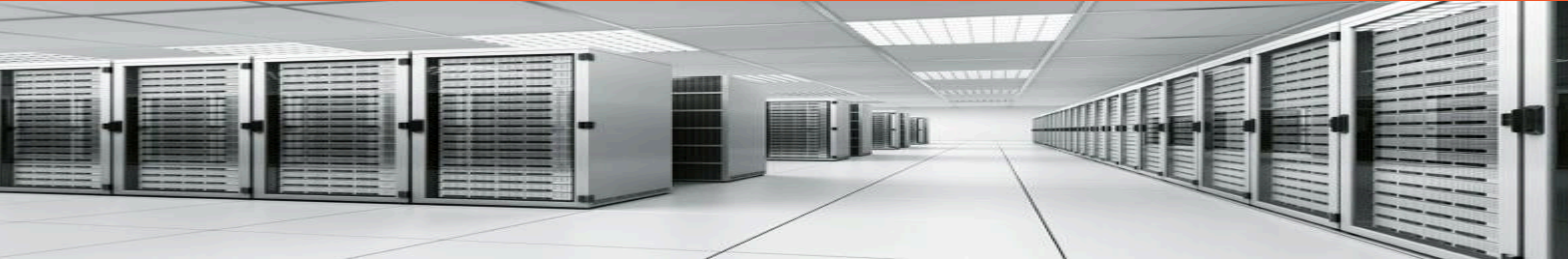


Data Centres

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Keeping you up to date with our latest business developments.



Energy Efficient Data Centres Challenges & Solutions

Challenges Facing Data Centres in 2015

- ✓ An increasing demand for data storage and processing
- ✓ This increased demand leads to an growing energy demand and higher risk of overheating
- ✓ Higher fuel prices impact on energy intensive power and cooling processes
- ✓ General operational running costs such as lighting are also effected
- ✓ Managing air conditioning and cooling across the building as requirements vary from one area to another in data centres depending on what is being cooled
- ✓ Increased compliance and legislation requirements such as the Carbon Reduction Commitment and the Environmental Savings Opportunities Scheme

Solutions for 2015 and Beyond

- ✓ Achieving greater energy efficiency is the single most important way to reduce these costs
- ✓ By improving the energy efficiency of your data centre you also can reduce carbon emissions and improve your sustainability performance as a data centre
- ✓ Our expertise in energy management and infrastructure development can help cut your power consumption and improve your power usage effectiveness
- ✓ Monitoring solutions are available to enable you to control your energy use and the risks of overheating and power corrections
- ✓ We can help you reduce your energy costs in other areas, such as by replacing your lights with LED Lighting and taking advantage of free electricity by installing Solar Photovoltaic panels
- ✓ With the largest supplier panel in the UK our independent procurement solutions offers access to the most comprehensive choice in the UK
- ✓ Volume buyer benefits - Pooling our clients' electricity and gas purchases, we negotiate contracts at terms usually reserved for larger commercial customers. We secure prices lower than small and medium-sized enterprises (SME's) can achieve on their own, and enable access to privileged models and strategies for our corporate clients
- ✓ Energy Broker's 2 to 3 year time horizon in purchasing enables us to minimise market risk by strategic price optimisation, assuring our clients of low and predictable energy costs in the longer term.

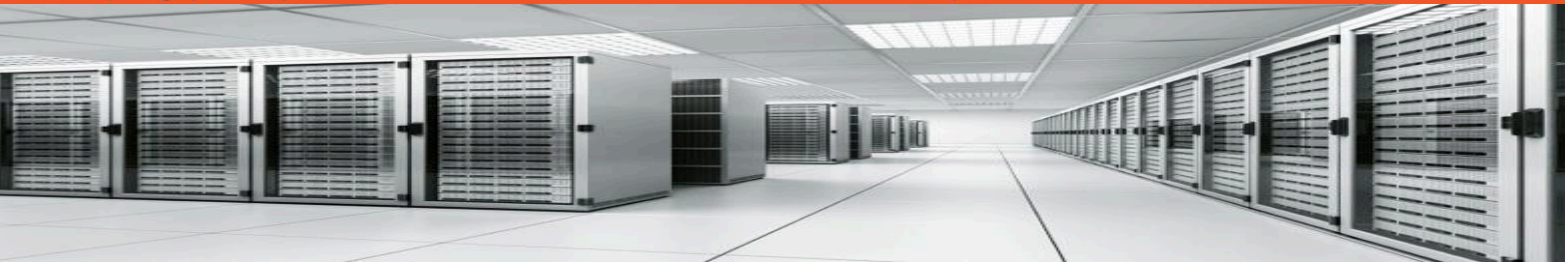




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Next Steps & Costs - How we can support data centres

Step One: A full comprehensive energy audit to provide you with a clear and unbiased evaluation of your data centres energy use. We identify all major energy saving opportunities across your data centre, estimating the costs and benefits of each potential project. This then helps you to prioritise the areas worth addressing.

Step Two: The implementation of the tools, automation and software systems to measure and monitor what is happening at your data centre. By visualising where in your data centre energy is being consumed at the start of the process, you will then be able to validate the savings you will be making when taking the identified opportunities forward.

Step Three: The installation of the products and solutions designed to deliver the energy savings. As well as having the skills and knowledge to carry out a comprehensive energy audit and to advise you on measurement and monitoring systems, we can manage the implementation of the products and solutions that will deliver the energy savings and ensure the smooth introduction of new technology.

What does this cost?

We are aware of the challenges facing data centres to find funding for capital projects from traditional lenders and currently we have funding available for energy efficiency measures including: LED Lighting, Combined Heat and Power, Heating, Ventilation & Air Conditioning and Solar Photovoltaic Panels.

Up to 100% funding is available to cover the cost of these measures.

As a further option, interest free loans are currently available to fund up to 50% of the capital cost of a project.

Next Steps

If you would like to find out more about how your data centre can benefit from our support then please get in touch.

