



## ▶ DATA CENTRE EFFICIENCY & OPTIMISATION ASSESSMENT SERVICES

**on365 is an independent specialist provider of energy efficient Data Centre and critical physical infrastructure services for public sector, SME and corporate clients across the UK and Europe.**

### The Challenges

The Data Centre is coming under increased scrutiny as organisations look to reduce costs, find more capacity and comply with regulatory requirements within an environment of ever changing business needs.

Often this pressure can reduce energy efficiency in the Data Centre infrastructure and lead to increased operating costs together with reduced capacity.

### The Solution

**on365** offer a unique Data Centre Operational Efficiency and Optimisation Audit. Initially this is a simple no obligation review to ascertain the efficiency of the Data Centre from which the customer can decide whether a full audit is required. The service is non-intrusive to your operations and makes recommendations where change offers the greatest returns. This includes the physical infrastructure such as power and cooling together with computational strategies such as data storage optimisation and virtualisation providing a holistic view of your Data Centre efficiency and recommendations including potential cost savings.

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The **on365** Data Centre Efficiency Audit provides a comprehensive report that will make recommendations for changes to maximise efficiency including:

- The assessment and analysis of the existing electrical efficiency in the Data Centre.
- The breakdown of losses into power, cooling, transmission and lighting losses.
- The breakdown of the cooling system losses into Computer Room Air Conditioners/Computer Room Air Handlers (CRAC/CRAH), humidification and outdoor heat rejection losses.
- The breakdown of the power system losses into Uninterruptible Power Supply (UPS) and power distribution.
- The assessment and analysis of server power management capabilities.
- The assessment and analysis of the operating systems.
- The assessment and analysis of the storage and backup systems.
- The assessment and analysis of the application systems.
- Detailed recommendations to improve the efficiency of the Data Centre.
- Projected efficiency gains for each recommended improvement.
- Performance against Industry Benchmarks for each component level.



*Current and historical PUE values are reviewed based on the current IT-load for a fact-based understanding of energy efficiency at the facility level. This provides an insight into energy losses and the cost of energy at subsystem level.*

### The Benefits

With extensive technical knowledge of physical infrastructure, IT conventions and deployments our consultants can facilitate follow-on discussions across all organisations that manage or depend on their IT assets. We allow the customer to remain focused on the core business, which ultimately drives revenue to meet their business objectives.

### Why on365

**on365** provide the best and most up-to-date information on the latest technologies without requiring customers to allocate resources for research and evaluations.

Our engineering teams have strong academic, CAD/CAM and software development backgrounds. We hold Elite, Service and Integrated Software System partner status for the Data Centre from APC by Schneider Electric. We are also ISO9001:2008, ECA, HVAC, REFCOM F-GAS accredited and Cisco, Microsoft and VMWare certified as well as being a member of ASHRAE.

**on365** is an endorser of the EU Code Code for Conduct for Data Centre Efficiency and has recently we won the Data Centre Environmental Project of the Year Award 2011 from the Data Centre Solutions Academy.

*"We are very pleased with the thorough review conducted by **on365**. We needed an independent assessment of current practices especially in view of possible energy savings, safety and crisis management. The depth of knowledge and expertise of the **on365** consultants was very impressive indeed."*

Dr Marek T Michalewicz  
**Director, A\*STAR Computational Resource**



**on365**. Specialists in power and cooling from the Desktop to the Server Room to the Data Centre.

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