



# Green IT

## PRACTICAL AND PROFITABLE

**Green IT supports financial, social and regulatory objectives. For private sector companies, it can ultimately improve their return on investment and shareholder value. For the public sector (as one of the biggest spender of IT in the UK), the cost efficiencies to be gained from Green IT can help to improve taxpayers' value for money, and help the UK public sector meet its green mandate.**

The main drivers for taking action over your carbon footprint are:

- *Rising power costs*
- *Increasing legislation*
- *Corporate and social responsibility*
- *Competitive advantage*

### Why Take Action?

There is growing political will and environmental legislation to take action against climate change globally. Most recently the Bali Climate Change Summit successfully aligned every developed and developing country to agree to replace the Kyoto Treaty in 2009. Immediate agreement over deforestation, adaptation, technology, finance and carbon markets has been reached.

In the UK, the Climate Change Bill will limit greenhouse gas emissions by law and targets a 60% reduction on 1990 levels by 2050, with an interim target of 26-32% for 2020. Gordon Brown PM highlighted in his speech on climate change in 2007 that the EU Emissions Trading Scheme could be worth 400 billion euros by 2030. By identifying and reducing their carbon footprint below legislated targets, organisations will be able to sell “carbon credits” on an open market.

### Why CSC?

CSC is enabling a broad range of high-profile clients to be environmentally friendly through the implementation of green strategies and technologies. Each approach takes into account the client's business objectives and total cost of computing.

At the same time, CSC operates its own robust Environmental Management Programme and is ISO14000 & ISO14001 accredited on most sites. CSC buys combined heat and power-generated electricity for its UK sites, exploits state-of-the-art technology to manage power consumption, cooling needs and floor space efficiency at its new generation data centres, and has a comprehensive IT waste recycling policy. CSC is also investigating ways to further reduce its carbon footprint through a Carbon Management Programme.

### How Can CSC Help You?

To get started, CSC's experienced analysts and subject matter experts can work with your organisation to establish the carbon footprint of the company's IT operations. This two to four week diagnostic exercise covers all IT hardware as well as other functional areas including compliance and risk and supply chain.

CSC's Green IT diagnostic defines the future operating environment and then benchmarks the existing carbon footprint. Following an extensive gap analysis CSC will identify the key areas for improvement and produce a matrix to compare CO<sup>2</sup> reduction with the time taken for financial payback on any required investment to be realised. A business case consisting of the current carbon footprint and a high level, costed plan to reduce your organisation's carbon footprint will then be compiled.





In addition, CSC has an established suite of solutions, techniques and governance models as well as a comprehensive end-to-end capability across all areas of Green IT, including:

**Data centres:** CSC works with clients to optimise data centre efficiency by driving consolidation and exploiting the benefits of virtualisation

**Supply chain:** CSC has a supply chain team with experienced logistics practitioners who can improve the efficiency of distribution networks, reducing empty and total kilometres travelled by vehicle fleets

**End user computing:** CSC's Virtual Desktop Infrastructure virtualises desktops into data centres, enabling an organisation to replace PCs in the office with lower power, thin client devices

**Compliance and risk:** CSC has a suite of solutions to quantify environmental risk, and finance professionals who understand the impact of existing and proposed legislation

**Remote Working:** CSC has a suite of solutions that can reduce the cost of travel by creating a flexible and mobile workforce, allowing employees to work from home and conduct/participate in meetings anywhere

**Managed print services:** CSC's Managed Print Services reduces the cost of document handling by utilising all-in-one machines

### Benefits

There are many benefits which can be realised by implementing a Green IT strategy, which include:

- Virtualisation technology allows multiple servers and applications to be hosted on a single physical server, which leads to reduction in servers needed and can increase server utilisation rates by up to 70%
- Up to 50% reduction in hardware acquisition and maintenance costs
- 15 - 25% reduction in the lifetime cost by replacing conventional desktops with virtual desktops
- End-to-end supply chain carbon footprint reduction
- Reduced paper usage and consumable cost by 30 – 50%
- Cleaner power generation: Combined heat & power sources can lead to up to 50% reduction in CO<sup>2</sup> emissions per building



CSC is one of the world's leading consulting, systems integration and information technology services firm. With more than 46 years' experience of delivering business results to clients worldwide, CSC has earned a customer-centric reputation for developing and managing solutions specifically tailored to each client's needs.

CSC has 78,000 employees in 80 countries worldwide and annual revenues of over \$14 billion.

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