



# Department for Children, Schools and Families



**Microsoft**  
GOLD CERTIFIED  
Partner

The Department for Children, Schools and Families found that many of its PCs were being left on unnecessarily overnight and at weekends. As part of the target for all government offices to be carbon neutral by 2012, the Department is committed to reducing its carbon footprint and setting an example to others to advocate emission savings.

## The challenge

The UK government's Department for Children, Schools and Families found that many of its PCs were being left on at some point overnight or at the weekend, unnecessarily adding to the Department's electricity costs. Although a shut down policy was in place, the perception that machines went into automatic standby mode meant staff were still leaving machines on. Significant power, particularly over weekends, was therefore still being used by machines left on standby.

## The national background

Research by the National Energy Foundation (NEF) found that around one-sixth of UK business PCs are not switched off overnight or at weekends. The resulting wastage equates to approximately £115m of electricity per year.

The CO<sub>2</sub> emissions produced by the generation of this electricity is equivalent to that produced by 200,000 small family cars, 120,000 4x4 vehicles or a typical gas-fired power station.

## The solution

The Department for Children, Schools and Families, in conjunction with 1E, looked at a simple, cost-effective and immediate solution to cut carbon emissions resulting from PCs being left on overnight and at the weekend.

The 1E software solution, NightWatchman®, offers a straightforward way of reducing unnecessary wastage by enabling the automatic, centralized power management of PCs across the ICT infrastructure. It also ensures that any work is saved before powering down PCs, closing applications safely and securely during patching. This solution is currently being used globally across two million PCs in both private and public sector organizations.

If the estimated 2 million PCs belonging to the Government were equipped with the NightWatchman software, it is estimated that the country would save 140,000 tonnes of CO<sub>2</sub> every year. In addition, if every business in the UK used NightWatchman, 700,000 tonnes of CO<sub>2</sub> would be saved, equivalent to 40 per cent of the energy efficiency targets set by the Carbon Trust or 10 per cent of the Government's Climate Change Levy reduction target.

## The benefits

By installing NightWatchman in Nov 2006, the Department for Children, Schools and Families has already made a significant step towards its target of becoming carbon neutral by 2012.

By enforcing the automatic powering down of PCs overnight and at the weekends, the Department has made the following savings:

- A reduction of 35,290 kg of CO<sub>2</sub> emissions
- A saving of 53,960 kW of electricity



### Testimonial

“Climate change is one of our biggest challenges and the Department for Children, Schools and Families is committed to finding solutions to reduce our own carbon footprint and cut our energy usage. Introducing power management software in November 2006 to automatically shut down PCs overnight is just one of the many steps the Department has taken to reduce our own environmental impact, saving 53,960 kW of electricity or 35,290 kg of CO<sub>2</sub> - equivalent of 28 return flights to New York JFK airport.”

Jim Knight MP,

Minister of State for Schools and Learners

Industry analysts Gartner estimate that PCs account for 0.5% of global CO<sub>2</sub> emissions; a large proportion of these emissions are completely avoidable through the use of NightWatchman.



## About 1E

1E is a global Windows management software and services company. Our expertise in providing leading-edge automation solutions, which reduce systems management costs, power consumption and complexity, has earned us the trust and confidence of more than 10 million users in over 1,000 organizations across 42 countries worldwide.

Customers include Allstate Insurance, Atkins Global, Blue Cross, British Airways, Dell Inc., HSBC, ING Investment Management, Marks & Spencer, Microsoft, National City Corporation, Nestlé, RBS Global Banking & Markets, Reed Elsevier, SABMiller, Syngenta, T-Mobile, US Air Force on behalf of the Pentagon, Verizon Wireless and Visit Britain.

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