



Princess Alexandra Hospital NHS Trust Saves £27,000 Per Year with 1E

A compelling business case for automated switch-off of PCs persuaded Princess Alexandra Hospital to deploy NightWatchman® from 1E. Along with the savings, the Trust is now far greener too.

Customer profile

The Princess Alexandra NHS Trust, based in Harlow Essex, was established as an NHS Trust in April 1995. It is a District General Hospital providing a range of services including intensive care and neonatal cots, plus community paediatric and midwifery services to the local communities.

The Trust is in close proximity to the M11 and operates from a number of different locations including the main site in Harlow, together with outpatient and diagnostic services throughout the region. The Trust provides care and treatment to a population of nearly 258,000 people, employs 2,887 staff and has a turnover of £143million.

The challenge

Under constant pressure to cut costs, all departments within the hospital were expected to find ways to save. There were also growing concerns about the Trust's energy consumption, related to the new carbon reduction strategy for the NHS, "Saving Carbon, Improving Health", which has set targets for the service to reduce its carbon emissions by 10% by 2015. "We've always encouraged staff to switch off computers at night, but behavioural changes take a long time to filter through," explains Bill Dickson, the Trust's Energy Manager.

Solutions Overview



The Project

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Project Requirements

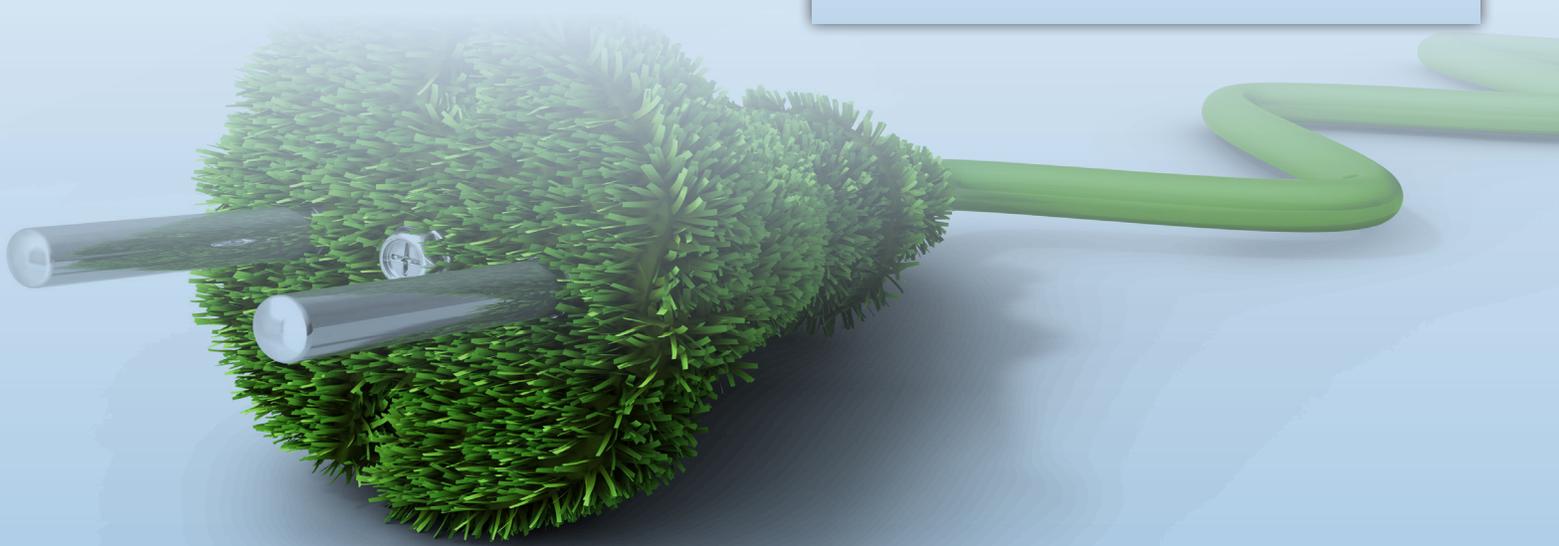
- Reduce energy consumption
- Reduce energy bills by a known and guaranteed amount
- Accommodate the requirements of different departments and individuals

Solution Summary

- NightWatchman

Key Benefits

- Benchmarked energy consumption
- Predictable and significant cost and energy savings
- Flexible, non-disruptive operation
- Annual savings of £27,000 across 1,200 PCs
- Annual reduction of over 420 tonnes of CO₂



“We recognised that with 1,200 PCs routinely left running, our bills were higher than necessary. But it was impossible to tell how much higher, or how much we could save by changing this.” After researching the problem, Dickson attended a conference hosted by 1E to learn more about its energy management tool, NightWatchman. “The demonstration showed that NightWatchman matched our technology requirements by automating the switch-off of computers at preset times,” he comments. “It also offered a powerful business case, by measuring current energy usage and costs, and predicting precisely how this could be reduced.”

The solution

The ability to benchmark current energy consumption and determine short and long-term savings proved a compelling argument for the Trust. Bill Dickson installed NightWatchman across the entire PC estate, leaving it in passive mode to ensure comprehensive data collection prior to a full deployment. “Accident and Emergency, X-ray and some other departments require 24-hour computer access, and this needs to be accounted for both in terms of energy savings and scheduling,” explains Bill Dickson. “NightWatchman gives us this flexibility without compromising the savings we can make.”

The benefits

The deployment of NightWatchman across the Princess Alexandra Hospital has introduced a simple yet effective means of ensuring all non-essential PCs are automatically switched off at 6pm. Hospital staff have responded well to the initiative. “Each machine displays a warning prior to switch-off which individuals can override if necessary,” says Bill Dickson. “This level of flexibility means we achieve our energy reduction targets without disrupting anyone working, increasing the likelihood that future uptake of the product will be received positively.”

The calculations made by NightWatchman during passive mode indicate that after offsetting its costs, the Trust can expect to save in excess of £27,000 per year, equating to an annual reduction of over 420 tonnes of CO₂. “1E was a highly professional implementation partner and we are already investigating the possibility of adding 1E WakeUp to the toolset to ensure prompt bootup of PCs each morning,” adds Bill Dickson. “These are impressive figures for what is an apparently minor change in procedure – 1E has made a real difference to our bottom line.”

1E – Empowering Efficient IT

We believe every one of our customers should expect more from their IT. Founded in 1997, 1E pioneered advanced PC power management with the release of ground-breaking solutions like NightWatchman® and WakeUp™. That innovative approach has continued with the development of revolutionary concepts like Useful Work™, Drowsy Server® and Computer Health™ as part of a unique range of industry-leading solutions. Headquartered in London and New York and with 14 million licenses deployed world-wide, over 1100 organisations in 42 countries have trusted us to help them to work effectively, productively and sustainably. To date, we have helped our customers save in excess of \$530m in energy costs alone, cutting CO₂ emissions by 4.3 million tons. We have many imitators, but there is only one 1E.

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