



# HSBC Deploys NightWatchman from 1E across a 300,000-strong PC Estate, saving over 7.2m kWh of energy and 3m Kg of CO<sub>2</sub> in 2009

HSBC is the world's local bank. Its commitment to sustainability means contributing to a stable economy while managing the social and environmental impacts of its global business. Headquartered in London, HSBC is one of the largest banking and financial services organisations in the world. HSBC's international network comprises around 8,000 offices in 88 countries and territories in Europe, the Asia-Pacific region, the Americas, the Middle East and Africa.

## An international network linked by advanced technology

In 2009, as part of the global drive to reduce energy and carbon dioxide emissions across the business, HSBC set a target to power manage at least 70% of the organisation's global PC estate by the end of the year. To achieve that goal, NightWatchman from 1E was selected, deployed and the goal was achieved ahead of time.

By the end of 2009, NightWatchman had been deployed across 276,588 machines and just over 300,000 deployments were completed by mid 2010.

The total number of global PC shutdowns on weekdays and weekends achieved with NightWatchman from 1E in 2009 was 9,346,534. This saved \$1,090,180 in energy costs, 201,885,139 hours of computing power, 7,267,865 kWh of energy and 3,125,182 kg of CO<sub>2</sub> emissions from entering the atmosphere.

The decision to choose NightWatchman from 1E was made by HSBC Technology & Services (HTS) in conjunction with the Group Sustainability team.

"A key part of our desktop strategy to minimize Total Cost of Ownership (TCO) is through ruthless standardisation of our environment. We deploy a single Windows image to all of our desktops worldwide and ensure that all additional solutions we provide are globally scalable. Within this environment, we are responsible for establishing all of the desktop settings including our global shutdown policy to ensure that this is adhered to across the organisation, maximizing the energy savings," says Matthew O'Neill, Head of Group Communication Systems and Support at HSBC.

"NightWatchman proved to be an ideal solution to scale alongside our globally deployed Microsoft SMS/System Center Configuration Manager environment which supports every desktop in the company, without having any impact on end-user productivity. We are very pleased with the savings that NightWatchman has helped us achieve in such a short space of time.

## Solutions Overview



### Objectives

In 2009, as part of a global drive to increase energy savings across the business, HSBC set a target to power manage 70% of the entire PC estate by the end of the same year.

### Solution Summary

- HSBC Technology Services selected NightWatchman from 1E to manage shutdown cycles of global PC estate

### Key Benefits

- Deployment of NightWatchman across 300,000-strong PC estate saved over 3m kg of CO<sub>2</sub> and 7.2m kWh of energy in 2009



Figure 1: Customizable reporting dashboard built-in to NightWatchman from 1E.



Deploying NightWatchman has also helped us to raise awareness of the issue of power consumption by unused equipment. Whilst the savings inside the office have been measurable, we are convinced that our staff have taken this knowledge in to their home lives too," concludes O'Neill.

*In May 2009 alone NightWatchman turned off over 713,000 PCs. That saved HSBC approximately 600,000 kWh of energy: an equivalent of the energy used by one large data centre in a whole month.*

## Functionality & Performance

"NightWatchman is designed to enable organizations to significantly reduce PC energy costs without impacting their users. After protecting unsaved data and closing open applications, it can automatically shutdown, suspend or hibernate any computer to deliver rapid cost savings and carbon emissions reductions, says Sumir Karayi, CEO, 1E.

"Highly accurate, independently-verified, customizable reporting enables organizations to report accurately on cost savings and reductions in CO<sub>2</sub> emissions. We are proud that NightWatchman is used by many global organizations who want to significantly reduce energy costs and organizational carbon footprint and has collectively saved our customers £240m in energy costs alone", concludes Karayi.

"The ongoing deployment of NightWatchman across HSBC's portfolio is positively supporting the Banks energy and carbon dioxide reduction targets as well as reducing our cost base associated with the procurement of energy and subsequent carbon credits", Gary M Phillips, global head of IT operations, HSBC.

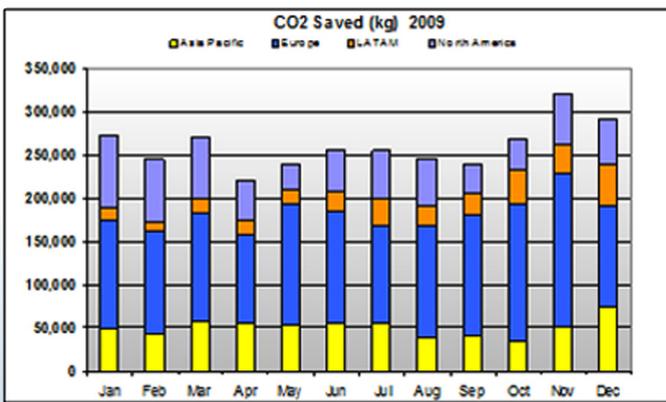


Figure 2: graph to show CO<sub>2</sub> saved by region throughout 2009 as a result of HSBC's deployment of NightWatchman.

2009	Total
Total No. Shutdowns	9,346,534
Weekday Shutdowns	7,477,277
Weekend Shutdowns	1,869,307
Hours Saved	201,885,139
kWh Saved	7,267,865
\$ Saved (15c/kWh)	1,090,180
CO <sub>2</sub> Saved (kg)	3,125,182

Figure 3: Total savings in computing hours, US dollars, CO<sub>2</sub> emissions etc in 2009 as a result of HSBC's deployment of NightWatchman.

## 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 CO<sub>2</sub> emissions by 4.3 million tons. We have many imitators, but there is only one 1E.

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