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Powering Sustainability: How PowerStudio is Driving Energy Efficiency



Celebrating
15 years of Certero
supporting the UK public
sector with smarter,
sustainable IT solutions.

Introduction

Energy prices are unpredictable, emissions are under the spotlight, and sustainability is now a regulatory and reputational imperative. The UK public sector in particular is under pressure to deliver digital transformation while slashing carbon output.

The UK government has committed to net-zero carbon emissions by 2050.

SOCITM reports that sustainability is a top-three priority for digital leaders.

Commercial buildings contribute 18% of total UK emissions.

Standby power consumption can account for up to 10% of office electricity usage.

PCs left on overnight waste 200-400 kWh per device annually.

This makes the case for smarter IT power management urgent. PowerStudio is helping organizations act now.



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PowerStudio at a Glance: Award-Winning Innovation

PowerStudio, developed by Certero, is a state-of-the-art PC power management tool designed to reduce unnecessary energy consumption without disrupting productivity.

Recognized with industry awards for sustainability, PowerStudio automates energy-saving policies, ensuring devices are only powered when needed.

Key Features:

- Automated power management policies
- Real-time energy consumption insights
- Seamless integration with IT infrastructure
- Customizable settings to align with operational needs
- Scalability to support small businesses and large enterprises alike

BBH Award (Building Better Healthcare)

In recognition of its innovative approach to sustainability in healthcare, Certero's PowerStudio was awarded **the Best Carbon Reduction Project** at the Building Better Healthcare Awards.

The accolade honoured the successful implementation of PowerStudio at an NHS Trust, where it delivered rapid energy savings by intelligently powering down over 5,500 PCs across 26 buildings. With monthly savings of £10,000 and a projected £600,000 over five years, PowerStudio is proving how smart IT power management can help the NHS reduce carbon emissions, cut costs, and reinvest savings into frontline care.

Healthcare Impact

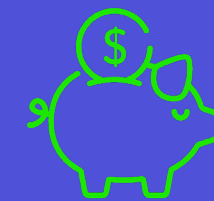
The NHS faces enormous pressure to cut costs while maintaining high-quality care. With PowerStudio, multiple NHS Trusts have:

- Saved **£3 million** annually
- Reduced **20,000 tonnes** of CO2 emissions
- Seen an **ROI in just 6 months**

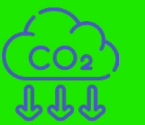
One of the largest NHS Trusts in the UK with over 15,000 staff, implemented PowerStudio to address growing energy concerns. In 2022/23, this initiative saved the Trust **£440,000**.

Another hospital implemented PowerStudio and saw a **23% reduction in PC energy usage**, equating to enough energy saved to power **1,200 homes for a year**. By using automated policies to turn off non-essential PCs overnight, hospitals have been able to allocate resources more efficiently.

£3 000 000
SAVING



20 000



Tonnes of CO2 cut

Housing Sector Wins

A large housing association managing 28,000 homes faced rising energy costs from IT infrastructure. PowerStudio enabled them to:

- Reduce **26.7 tonnes of CO2** annually
- Improve operational efficiency without disrupting IT workflows

By implementing scheduled PC shutdowns and enforcing more sustainable IT policies, the organization has also seen **a 19% reduction in overall IT energy consumption**, freeing up budget for essential housing improvements.

26 700
Tonnes of CO2
cut annually



19%
Reduction
overall IT energy
consumption



Education & Public Sector: Powering Schools & Universities Sustainably

In partnership with Jisc, PowerStudio is now accessible to **hundreds of UK educational institutions**, helping them achieve their energy-saving goals while maintaining seamless digital learning environments.

One university that adopted PowerStudio reported a **32% decrease in PC energy consumption**, translating to annual savings of **£45,000**. These funds have been reinvested into campus sustainability projects, enhancing the institution's green credentials.

By using detailed energy analytics, educational institutions can **set targeted reduction goals and track progress in real-time**, ensuring compliance with UK government sustainability objectives.

Jisc

In 2024, Certero signed a multi-year agreement with Jisc, launching a preferentially priced 'Chest' agreement to provide UK academic institutions with advanced ITAM, SAM, ITOM, and SaaS optimization tools. This strategic partnership brings Certero's unified platform—including solutions like PowerStudio and SaaS cost optimization—into the hands of education sector leaders, helping them reduce IT overspend, improve visibility, and support digital transformation goals through one powerful interface.

Aligning with UK Green Agendas

PowerStudio supports key government initiatives:

- **UK Net Zero 2050:** Contributing to national carbon reduction targets
- **Corporate Sustainability Reporting Directive (CSRD):** Ensuring compliance with stricter environmental reporting

With more regulations
on the horizon,
organizations that
implement energy-
saving measures **NOW**
will be well-positioned
for **FUTURE** compliance
and cost savings.

How PowerStudio Delivers ROI in Under 6.5 Months

Organizations that implement PowerStudio typically experience:

- **15–30% reduction** in PC energy costs
- **Fast payback period:** ROI achieved in **under 6.5 months**
- **Enhanced visibility** into IT energy usage
- **Automatic compliance tracking** for sustainability reporting

For companies with large IT estates, the long-term savings can exceed **hundreds of thousands of pounds**, making PowerStudio a critical investment in sustainability and cost reduction.



20 000 tonnes of CO2 cut, equivalent to:

- Taking over 4,300 petrol cars off the road for a year
- Powering 2,400 UK homes for an entire year
- Planting over 330,000 trees (to absorb the same CO2 annually)

Getting Started: Steps to Transform Your Organization

Step 1: Assess your current PC energy consumption

Step 2: Implement PowerStudio's automated policies

Step 3: Monitor savings and optimize further

Step 4: Scale across your organization

Want to see your potential savings?

Use our **ROI Calculator** for a tailored forecast, or book a Proof of Concept to see PowerStudio in action.

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Start saving **smarter**.
Contact **Certero** today.

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Resources:

Public sector digital trends 2024 – Summary (Jan, 2024)

<https://socitm.net/resource-hub/socitm-research/public-sector-digital-trends-2024-summary/>

10 key questions for public sector leaders – Infographic (Jan, 2025)

<https://socitm.net/resource-hub/socitm-research/10-key-questions-for-public-sector-leaders/>

BBH Awards – A winner's story: Spotlight on winner of the Award for Best Carbon Reduction Project (Jan 2014)

<https://buildingbetterhealthcare.com/bbh-awards-a-winner-s-story-spotlight-on-winner-of-the-award-for-best-carbon-reduction-project-95233>

Digital solution to reduce computer energy use at Imperial College Healthcare NHS Trust (Jan, 2024):

<https://www.england.nhs.uk/greenernhs/whats-already-happening/digital-solution-to-reduce-computer-energy-use/#:~:text=Summary,or%20patient%20or%20staff%20experience.>



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ISO27001 + Security

Security is paramount and is central to Certero's core values of trust and transparency. That is why our technology, internal operations, cloud hosting and service delivery are delivered to formally certified, highest standards of Information Security Management. Certero accreditations include ISO27001 compliance and the Cyber Essentials Plus certification for your peace of mind.

