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INSIGHT

Smarter Energy Management for School & Education Estates

Identify and eliminate wasted plug load usage, to reduce electricity costs and carbon emissions by at least 20% and gain full energy visibility and control in education environments.

In partnership with measurable.energy



Insight Systems & measurable.energy: Reducing hidden costs across education estates

Insight Systems helps schools, colleges and multi-academy trusts reduce the cost, waste and complexity of their print environments through fully managed, sustainable print services.

Together with measurable.energy, we extend that same visibility and control beyond print, helping education estates identify and automatically eliminate wasted electricity from everyday plugged-in equipment.

The result: lower operating costs, measurable carbon reductions and better oversight across classrooms, IT suites and shared spaces, without adding to staff workload or disrupting learning.

Find out more

Eliminate wasted energy. Automatically

Why Insight Systems

Education procurement made simple

Approved routes through education procurement frameworks help schools, colleges and MATs access reliable technology with a compliant, straightforward buying process.

Reduce cost and operational burden

Fully managed print services improve visibility of usage and costs, reduce waste and take day-to-day print management away from busy school and IT teams.

Built around education budgets

Flexible rental and leasing options help schools access efficient technology without large upfront capital expenditure, supporting predictable budgeting and longer-term planning.

Built around education budgets

Insight Systems already helps education customers reduce the cost and environmental impact of print. Together with measurable.energy, we extend that same focus to the wider plugged-in estate.

Schools and trusts can **identify hidden energy waste** and **automatically cut plug load consumption by 30–67%**, without relying on staff behaviour or disrupting learning.

Protect budgets without disrupting learning

Across education estates, plug-in equipment in classrooms, IT suites and shared spaces often run long after the school day ends. Much of this energy use goes unnoticed, impacting already stretched budgets.

measurable.energy makes that hidden usage visible and acts on it automatically.

The AI-powered plug load management system uses appliance-level data to reduce costs without relying on behaviour change, while improving HVAC performance and space and asset use with no impact on teaching and learning environments.

- 30–67% reduction in energy use
- 20%+ saving on energy bills and CO2
- Payback in months



Reduce energy costs by 20%+

Cut unnecessary electricity use across classrooms, shared spaces and specialist rooms.



Gain clear oversight across buildings

Understand how equipment is used across sites, helping schools and trusts manage energy more effectively.



Strengthen safety and sustainability oversight

Maintain consistent control of equipment while supporting school sustainability initiatives.

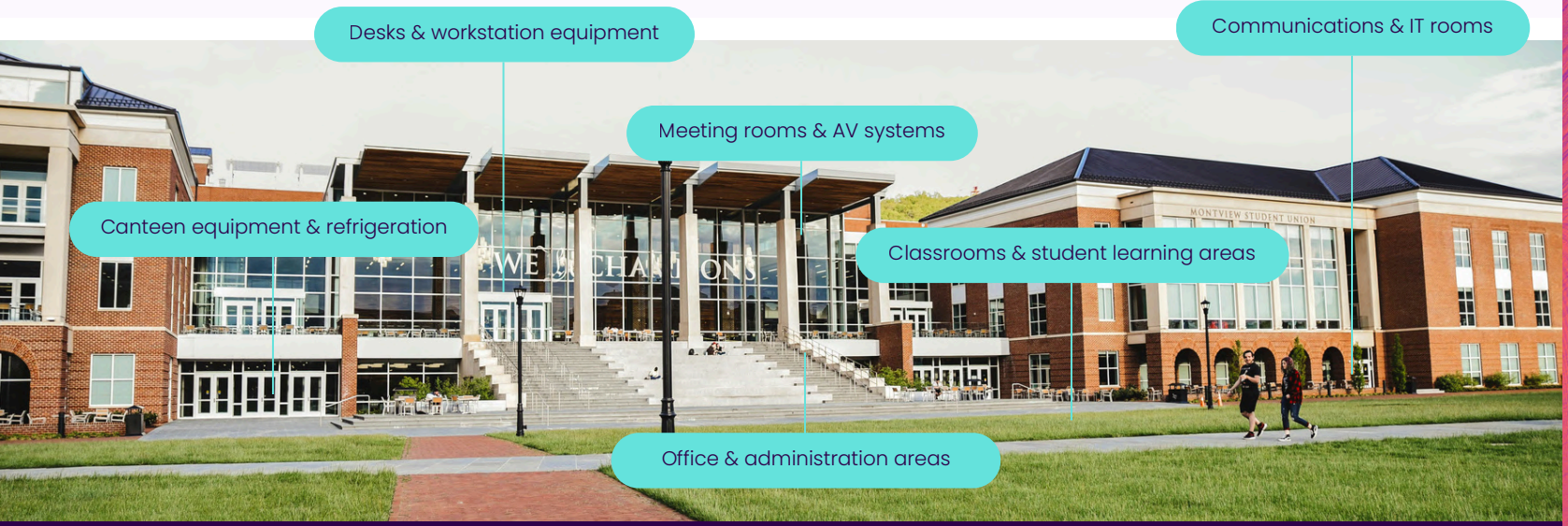
One primary school achieved **£7,000–£8,000 in annual energy savings,** with an **18-month payback** and **zero disruption to teaching or learning.**

Talk to our team
Call 0800 910 1000

Typical plug load energy drains in Schools

Across classrooms, IT suites and shared spaces, plug-in equipment often runs outside teaching hours. Inflating electricity bills by at least 20% across single schools and multi-academy trusts.

measurable.energy helps schools and trusts monitor and manage power across areas, including:



Appliance-level control makes it easier to manage electricity demand while keeping operations running smoothly.

3 ways measurable.energy control supports education estates

Across school and college buildings, classroom equipment, IT suites and shared spaces often remain powered outside teaching hours. Managing this manually across multiple rooms and sites is difficult to maintain consistently.

Appliance-level automation helps schools reduce unnecessary electricity use, improve HVAC performance, and strengthen estate oversight while supporting sustainability commitments.

Eliminate wasted energy. Automatically

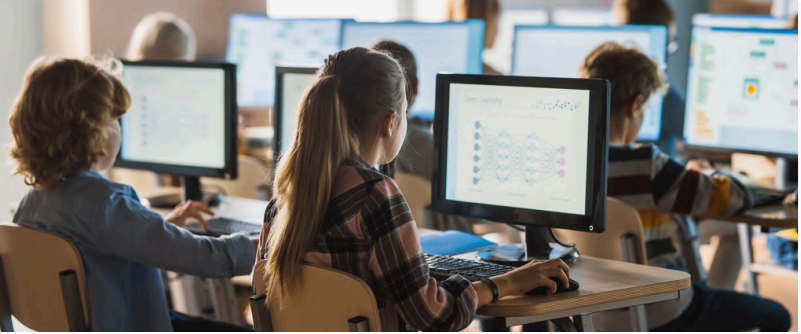
01 Budget protection

Reduce unnecessary electricity costs without changing how teachers and students use classrooms.

- Automatically power down equipment outside teaching hours
- Reduce base energy load across classrooms and shared spaces
- Redirect savings back into teaching resources and school facilities

St Peters Primary School achieved up to **40% reduction in electricity use,** delivering **£7,000–£8,000 in annual savings with an 18-month payback.**





02 Trust-level oversight

Provide clear visibility of equipment usage across education buildings and school estates.

- Monitor energy use across multiple schools and sites
- Identify unusual or inefficient equipment behaviour
- Provide clear reporting for estates teams, governors and finance leads

Appliance-level visibility and real-time data allows schools, trusts, and colleges to easily **measure and report on electricity savings, carbon reduction and equipment usage across their entire estate.**

03 Proven sustainability impact

Support school sustainability goals with measurable energy and carbon reductions.

- Track electricity use and emissions at appliance level
- Support Eco-Schools initiatives and sustainability reporting
- Demonstrate measurable progress towards climate commitments

Verified data on electricity reduction and Scope 2 emissions, supports trust-level sustainability targets.



How measurable. energy works

measurable.energy automatically identifies and manages plug-in equipment across classrooms, IT suites and shared spaces — helping schools reduce unnecessary electricity use and carbon emissions while maintaining normal teaching environments.



Detect and recognise equipment

Automatically identifies classroom equipment, revealing where electricity is being used and when.

- Appliance-level visibility across classrooms and shared spaces
- Identification of idle and standby energy use
- Real-time data into how equipment is used throughout the school day



Automate energy control

Once appliances are recognised, energy use can be managed automatically, powering down equipment outside teaching hours or when rooms are no longer in use and back on again when needed, reducing unnecessary electricity consumption across buildings.

- Automated power down of unused equipment
- Improve HVAC optimisation by aligning with real usage patterns
- Verified tracking of energy savings.



Prevent waste and reduce risk

Continuous monitoring highlights inefficient or abnormal behaviour. Facilities teams can identify faulty equipment, detect unusual energy patterns and address potential electrical risks early.

- Detection of abnormal plug loads
- Early identification of inefficient equipment
- Improved oversight of electrical safety across school buildings

Reducing energy costs at St Peters Primary School

St Peters Primary School introduced plug load energy control to reduce unnecessary electricity use across classrooms and shared spaces, while maintaining a high-quality learning environment.

Without disrupting lessons or adding to teachers' workload, the school was able to identify where energy was being wasted and automatically reduce consumption outside teaching hours.

Eliminate wasted energy. Automatically

Results

Up to **40% reduction** in electricity use
£7,000–£8,000 annual energy savings
18-month payback period
Zero disruption to teaching or learning

"That's [...] half a learning support teacher, which does start to make a difference. And that difference we can pass on to the children to make their experience even better."

Iain Gunn, Head Teacher

Turning energy control into a learning opportunity

The system can also help schools engage students in sustainability and energy awareness.

Live energy data and visible socket indicators provide a practical way to demonstrate how everyday actions affect energy use and carbon emissions.

Schools can use these insights to support classroom discussions about energy and sustainability, Eco-Schools initiatives and environmental projects.

Energy management becomes part of the learning environment — helping students understand how buildings use energy and how behaviour can make a difference.

Common questions

How do the sockets connect?
measurable.energy sockets connect securely over WiFi, with no need for additional sensors or cameras.

Is installation disruptive?
Installation is straightforward and can be completed without disruption to day-to-day operations, with each socket operating independently while contributing to a centralised platform.

How are savings measured?
Energy use is monitored at appliance level, providing clear reporting on electricity reduction, cost savings and carbon impact across buildings and estates.

Education Frameworks

Insight Systems Print Services are available through established education procurement frameworks, including CPC, Procurement Services and NEPA 3.

measurable.energy certifications and compliance

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INSIGHT

See what appliance-level control could save your school.

Talk to the Insight Systems team to explore how smarter print and automated plug load control could reduce operating costs across your school or trust.

Get in touch

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