



Schools Total Energy Management

The Carbon Trust and
The Audit Commission
agree that millions of pounds
in energy savings can be achieved
across the UK educational sector.

[Source: Carbon Trust 2012]

What is STEM and how can it deliver energy savings for you



**Schools
Total
Energy
Management**

A groundbreaking system designed to help all types of schools to monitor and adapt their energy usage to make essential savings; whilst at the same time engaging and educating pupils and teachers on the benefits of energy and CO2 reductions.

Created by Cura Energy (market leaders in energy management systems), STEM can be integrated with or replace your current systems with ease, including monitoring any energy savings methods you may have already installed. Even if you are already monitoring your main utilities, STEM can still add extra value.

Best in class solutions

Using our unique dashboard system, you can see exactly where and how your energy is being used. STEM allows both teachers and pupils to see all aspects of energy use throughout the school, in real-time. Individual buildings and classrooms can be monitored. With this information you can drill down into the detail to reveal patterns of use, highlight areas of waste and importantly identify potential efficiencies.



THE FACTS AND FIGURES SAY IT ALL

The total annual energy consumption of the UK education sector is a staggering 11,378 million kWh of energy, equivalent to 25% of total public sector energy costs. According to the Audit Commission the total potential for cost savings across the sector could easily be 20 per cent, which is equivalent to £80 million per year and those savings can be maintained year on year.



Controlling energy usage will improve comfort for staff and students – and comfortable students will be more attentive, making learning more enjoyable for everyone.

[Source: Carbon Trust 2012]

How easy is it to move to STEM

In a word – simple! All you have to do is contact us for a FREE ON SITE CONSULTATION where we will discuss and review your current energy requirements, operational issues and costs. Then we will provide a detailed proposal of how we can best meet your needs, including estimated costs savings based on any current utility bills you supply us.

Commitment and hard work always pays off

Once you are happy with our recommendations and costs, the next stage is installation and implementation. We strive to keep disruption to the absolute minimum and our team of experts is there to ensure a seamless transition from the old to the new.

Once the system is fitted and tested, we don't just walk away. We provide comprehensive training and an information pack with a step-by-step guide on how to make the most of STEM and the data it is giving you. We are here with a full technical and support team whenever you need us.



Energy use in schools is escalating due to the various electricity demands. Moreover, school buildings are now being used for community purposes, increasing occupancy hours and use of facilities.

[Source: Carbon Trust 2012]

What are the benefits for Academies, Secondary and Independent Schools

Generally, secondary schools have higher energy costs than primary schools, because they have longer hours and greater numbers of students, as well as more widespread use of electrical equipment in ICT, science, sports and crafts lessons. That's why it's even more important for STEM to produce tangible savings across all departments.

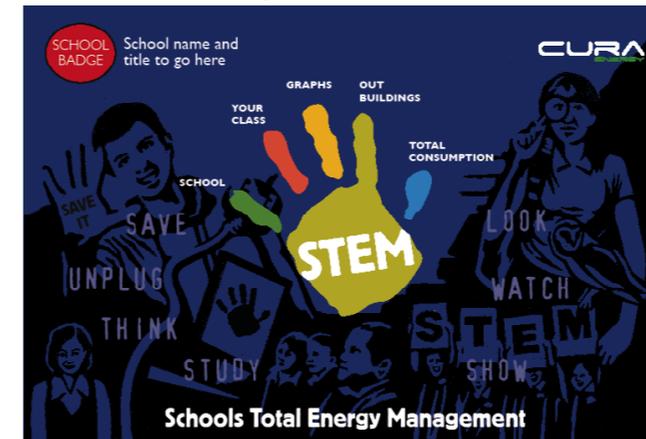
Independent schools with boarders face additional energy consumption 24/7 and have a greater emphasis on controlling costs to remain competitive. STEM has the flexibility to work in this sector and provide great results.

Making a difference for the future

For secondary school/academy students science, energy and environmental issues are an essential part of their continuing studies.

Using the STEM dashboard allows staff and students to view live energy consumption and discuss solutions as part of a wider curriculum. The end benefit is that it provides practical learning and real-life applications with the added advantage of promoting a culture of energy awareness among pupils at school, at home and in their future energy decisions.

Cura also provide a range of interactive services including pupil talks and materials.



Getting students involved in energy efficiency can be fun and enrich their studies. It can also raise awareness and give them lifelong skills.

[Source: Carbon Trust 2012]

What are the benefits to Primary Schools

With STEM we're not just about delivering savings on your energy budget. We're about giving you the tools to empower every single person to learn how reducing energy consumption can conserve resources and minimise the impact on our environment, in addition to the added benefit of imparting energy saving messages at home to the family. Of course the benefits are felt not just today but for years and decades to come.

Information is power

STEM provides an eye-catching state of the art dashboard that gives a complete and detailed overview of energy consumption and data throughout all your buildings and departments. It is simple for staff and students to access and understand and offers graphs and graphics in real time that can also assist in mathematics and science lessons.

Pupils can interrogate live consumption data to gain a better understanding of their energy use and develop a heightened awareness of their impact on the environment. Visual information like this, together with recommended steps, will help the school become more energy efficient. Cura also provide a range of interactive services including pupil talks and materials.



STEM is more than just
an energy saving tool...
it is a commitment to
all of our futures

Once STEM is installed
and up and running what
happens in the future

Having installed and implemented your energy saving system, we provide a range of extra services for students and staff that are designed to spread the word about energy conservation.

Engaging and educating everybody

We offer a full range of training for staff as well as talks and open discussions with pupils at all levels – all you have to do is ask.

What's more, for Primary Schools/Academies we provide a complete interactive pack that contains our special "energy owl" t-shirts that can be awarded to star energy pupils.

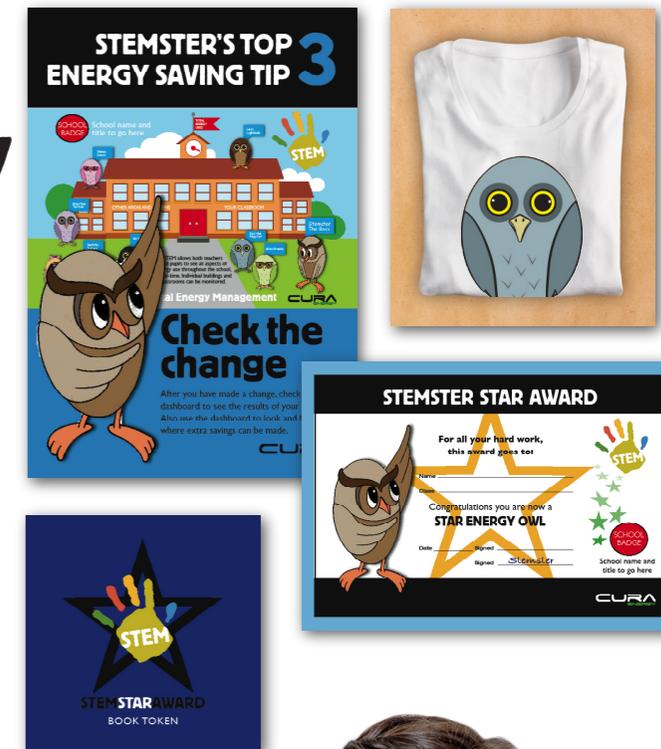
We also have a range of certificates and other materials that can be used for awards.

We are developing a whole programme of future challenges, competitions and awards to keep energy savings "top of the class."

STEM doesn't stop there! We're already looking to the next generation to see what other energy saving devices may be possible.

Contact us today for your free onsite consultation to see how STEM can help reduce your school's energy costs!

Call Cura Energy 01634 820783
enquiries@curaenergy.co.uk
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ENERGY
targeting energy efficiency