



Inspired Efficiency is passionate about helping organisations realise maximum benefits from improved energy, [carbon and sustainability efficiencies](#).

We challenge established conventions and use an innovative and original approach to design and implement solutions and outcomes that are realistic, pragmatic and valuable.

We work by inspiring people, [optimising technology](#) and liaising with other service providers to deliver real savings in a market which increasingly demands more from less. We have a proven track record of delivering satisfaction and efficiency in many key areas including local authorities, education and facilities management.

School Expertise

Inspired Efficiency has been working with schools to support energy efficiencies and cost saving opportunities. This includes energy management audits, technical energy investment audits, focused energy management for PFI schools and ongoing strategic and practical advice.

School budgets continue to be challenged as funding for non per pupil elements get cut. The academy and PFI programmes have changed the dynamic of schools, especially in relation to funding of energy saving measures. The energy budget typically makes up the second largest expenditure item after staff, and cuts and savings in energy can help to relieve painful alternative areas to find savings from.


IE has very considerable experience in delivering energy saving projects in schools

- IE has provided detailed energy management audits on over 100 schools. On one small rural primary school IE undertook a detailed audit and then implemented a range of simple measures from controls and boiler reset, behaviour education, PIR's and simple LED lamp changes as well as out of hours energy management in the holidays. This has resulted in the total energy cost for the school being reduced from £7,000 per year to £3,250 per year showing that very substantial savings of over 50% can be made through simple measures even when the initial energy cost is not huge.
- IE has undertaken technical energy investment audits for over 50 schools in the London GLA RE:FIT scheme which has delivered over £2m of energy saving projects to schools in the London areas.
- IE undertook energy audits and whole school energy optimisation on 3 PFI schools (2 large primary's and one secondary) in Aberdeenshire. These were exceeding their contractual

energy targets and costing the PFI provided substantial amounts in energy losses every year. Following my work with these three schools over a one week period there was a 6.6% reduction in electricity and a 36.5% reduction in gas in the following 3 months and all the sites are no below their contractual targets for gas consumption. These works were undertaken with no capital investment outside of the fees for the one week's optimisation visits. The annual saving from these works is £40,500 and the payback on the optimisation costs was a mere 6 weeks.

- IE delivered a short term programme of audits and optimisation for 11 schools in the Newcastle area which involved providing energy audits to highlight issues which needed to be rectified, especially with the use of biomass boilers and CHP plants, as well as tuning up their control system to better match the needs of the schools. This has resulted in an average of a 10% energy saving.
- IE has been providing long term consultancy advice to a secondary school in North Somerset and worked with their incumbent maintenance provider to manage them and the systems in such a way that generates energy saving. The school is currently achieving around a 20% saving on both gas and electricity use since IE's involvement with them and further works together with funding applications are being made to build on this. In addition, various advice and practical measures have been undertaken to improve too hot and too cold areas within the school to deliver improved comfort to the teaching environment.

IE is flexible in its approach; one size does not fit all in terms of both practical measures or ways of engaging. If you just need a few hours of expert advice to steer you in the right direction or you need to fill a longer term role to deliver a programme over years IE can adapt to fit you and your needs.

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