

SIDCUP SCHOOL LEADS THE WAY WITH ENERGY MANAGEMENT TECHNOLOGY AND MAKES IMMEDIATE COST SAVINGS

Cleeve Park School, based in Sidcup, Kent is today announcing the successful installation of an Internet based advanced energy management system. The new system, which has been installed under a NESS (National Energy Saving Service) Share™ programme, is already proving its value with significant savings.

So far, the run times for central heating and hot water boilers have been reduced by an average of 69% with no degradation in quality of service. This is expected to lead to cost savings in excess of £10,000 per annum.

The new system is a DEDICATEDengines (DEL) eFM internet based energy management system. It provides School management with the ability to monitor and control room temperatures and boiler activity throughout the school.

The installation of the DEL eFM system was made possible through the NESS Share™ programme. With NESS Share™, the School has the full 24/7 use of the DEDICATEDengines system, for which it pays an agreed quarterly subscription.

“Millions of pounds are being wasted daily on inefficient use of energy. It needs to be addressed and the savings made put into energy education for our future generations.” states Cliff Winckless, CEO of NESS UK Limited. “Cleeve Park School is a shining example of what can be done without the need for capital investment. It points the way to what can be achieved throughout the UK’s 30,000+ education establishments”

Cleeve Park School has two plant rooms for heating and hot water; Zone 1, the main boiler room, with three boilers, and Zone 2, a smaller room, with two boilers. There was no centralised BMS (Building Management System) – and the boilers were operated independently using basic timers and manual controls.

With the DEL eFM system installed, boiler run times in Zone 1 were reduced from 96.5 hrs to 40.75 hrs – a reduction of 55.75 hrs (57.7%), and in Zone 2, from 168 hrs to 40.75 hrs – a reduction of 127.25 hrs (75.7%). For the two zones, the overall reduction was from 264.5 hrs to 81.5 hrs – a reduction of 183 run hrs or 69%.

Cleeve Park School Assistant Head Teacher, Don Blaylock, explains. “We were looking for ways of reducing our energy costs, but were restricted by lack of funds. The NESS programme not only solved the funding issue, but also recommended technologies that had proven track records. We are delighted with the results so far. Now we are able to properly manage and control the operation of our heating and hot water through the eFM system resulting in significant savings. We are already looking at other technologies and will continue to target energy reduction as a priority”.

“This is the start of a major initiative by the school not only to save energy, but to involve and educate our pupils in an area which will be of increasing importance in their futures” he adds.

Further information

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Cleeve Park School

Cleeve Park School is a progressive secondary modern school in Sidcup in the London Borough of Bexley, Kent. It is an Engineering College, with industrial support from Balfour Beatty. The school's engineering status allows pupils to study additional engineering GCSE subjects.

All National Curriculum requirements are met and all pupils take a broad, balanced and relevant combination of subjects.

Some subjects are taught in ability sets, others are mixed ability. Year 9 pupils are well supported as they move towards GCSE courses. The school offers information evenings for parents and pupils at which they can learn about the courses on offer and each pupil's suitability for them, and the study skills necessary for success. Throughout the curriculum there is an emphasis on key skills such as Information Technology.



NESS UK Limited was formed in 2009. Its personnel have over 25 years expertise in subscription based managed services, which NESS is applying to the energy marketplace through energy saving equipment suppliers. Its focus is to help accelerate energy saving by expanding the capabilities and customer offerings of such suppliers with the development of specialist managed services.

NESS Share™ subscription forms an essential part of its supplier partners' managed services programmes.

NESS supported programmes aim to be zero cost from day one - they enable savings to be made immediately, with an initial start-up period free from any charge

whatsoever. Additional technologies can be quickly implemented to cut energy waste even further.

With supplier partners, NESS reviews customers' managed service solutions on a regular basis to see where more savings might be achieved.

As suppliers introduce new technologies NESS helps add these to users existing services, refreshing the technology and equipment as necessary.



DEDICATED Engines Limited

Dedicated Engines, based in Letchworth, Hertfordshire, was founded by Andy Butler and evolved from an established company which provided industrial computer systems, both hardware and software. Backed by 9 years experience in solving sometimes difficult remote monitoring and control problems with innovative computing solutions.

Dedicated Engines now a leading supplier of remote monitoring and control solutions with many hundreds installations in commercial and government buildings - bringing reduced costs and increased operational efficiency in the management of energy and maintenance of buildings.

DEDICATEDengines has the appropriate skills and resources to project manage and deliver enterprise-wide solutions to corporate and government clients across UK and Europe.

We are an ISO9001 certified company and able to provide full system support to end users and Partners/Distributors.