

# Cutting costs with DEDICATEDengines eFM web based energy management and control

Schools and universities have a great opportunity to save energy and set benchmarks for communities as a whole. DEDICATEDengines eFM web based energy management and control in education buildings is playing a vital role in this area with its real-time monitoring and control systems. It offers a proven opportunity for educational establishments to quickly and simply reduce costs, lower their carbon footprint, comply with environmental regulations such as the [CRC EES](#), and report on sustainability to Ofsted.

NESS works with DEDICATEDengines to provide eFM systems through its **NESS Share™** programme, so enabling savings to be made with no front end cost and paid for through a share of savings achieved.

## Cleeve Park School

Cleeve Park School, Sidcup, Kent, 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. For the two zones, the overall boiler run time reduction was over two thirds. This has resulted in boiler gas savings averaging 17.5%. The use of the DEL eFM system was made possible through the **NESS Share™** programme, which incurs no front end cost and is paid for through a share of savings achieved.



## Barnfield College

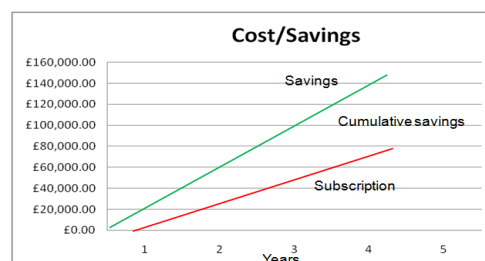
Gas energy savings and carbon reduction have been achieved at Barnfield College, Luton, with eFM, the internet based building energy management system from DEDICATEDengines. In the first month actual gas kWh savings of 34.2% were achieved, compared to the same month in the previous year. This is equivalent to 39.6% gas kWh savings when (degree days) adjusted for weather, from an independent consultant's report. Projected annual savings of between 20 to 30% are expected



## Pilot site

In a pilot site for PFI schools in London, DEDICATEDengines is being used (through a managing agent partner solution) to remotely monitor and alarm the HVAC (Heating, Ventilation and Air Conditioning), environment. For example, space temperatures and client specific assets and, importantly, to override the HVAC plant for energy savings and carbon reduction.

### How NESS Share works



NESS UK Limited works with a growing pool of supplier partners covering a wide range of specialist technologies to provide their energy saving technologies as a managed service.

DEDICATEDengines Limited is a leading provider of remote carbon management hardware and software solutions. Systems are used in the public and private sectors, including universities, colleges, high schools and junior schools.



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