

Acorn Care and Education – Acorn Park School



Acorn Park

BACKGROUND

Established in 2005, Acorn Care and Education is the UK's leading independent provider of specialist education, foster care and residential care for vulnerable and hard to reach children. Acorn Care and Education provides the highest standards of care to just under 2000 foster children, together with over 800 children in 16 well-resourced Special Educational Needs Schools and specialised residential care.

THE CHALLENGE

The Acorn Estates team are undertaking an effort to reduce the energy consumption across all the sites and engaged Efficient Power Solutions to supply and install their class leading EVO+S Voltage Optimisation

equipment to the two electrical supplies to one of their Acorn Park School facilities in Norfolk.

THE SOLUTION

Following electrical data logging and a full site survey of the site's electrical supplies, the recommendation was to install two EVO+S units rated at 120 kVA and 150kVA. The installation of the EVO+S systems took place in December 2015, with minimal disruption to the normal running of the site.

Acorn then asked us to re-analyse their data for the twelve month period following the installation of the equipment. The electrical

energy consumption has shown impressive reductions attributable to the operation of the EVO+S systems of 20.9 & 20.16 % respectively.

PROVEN SAVINGS

For Acorn Park, this represents a significant reduction in energy consumption of 120,528 kWh per annum. This equates to 49.66 tonnes CO₂e per not being emitted to the atmosphere over the same period.



“ We have a significant energy spend across our estate and we are always looking for ways to ensure we control and reduce this element wherever we can. The Voltage Optimisation units installed by EPS have played a part in this. It was a successful project both from an engineering and savings perspective. ”

Matt Ellis of Acorn

If you would like the Efficient Power Solutions team to help you with your energy reduction projects please contact any member of the team on **01909 569016** or visit **www.efficientpowersolutions.uk**