

Case Study

Solar PV

Project

Keele University



m³ : Measure; Monitor; Minimise

At npower we recognise that energy management is a journey. We have designed our products to help businesses with each stage of this journey – from initial measurement of the energy, to understanding how it is being used, right through to looking at options for sustainable energy generation.

For further information email
es.sales@npower.com

Like many higher education institutions Keele University has a well defined Renewable/Sustainable Energy Strategy. The aim of this plan is to reduce the University's carbon emissions in line with Government targets and to provide a modern environment for both current and future students.

As part of this strategy npower Energy Services was contracted by Keele University to supply and install solar PV systems on its campus in Staffordshire. The project involved three 50kW systems being installed on the Holly Cross and Lindsay Halls of Residence as well as the Darwin Building - home to the Keele Management School.

As part of the project the npower Business and Social Housing engineers complete design specifications and supply and install the solar PV systems. As well as a comprehensive staff training programme npower is also responsible for ensuring the systems are certified and registered under the Feed-in-Tariffs (FiT) scheme. Estimates are that the three solar PV systems will enable the university to reduce its carbon emissions by up to 70 tonnes per year.

Work to install the 636 Winaico premium panels started in late March 2013. Despite the unseasonably adverse weather the work to the two accommodation blocks and the Darwin Building were completed by the end of April.

Andy Parry, head of operations at Keele University, commented: "Since 1990, Keele's estate has expanded by approximately 25 per cent and we are already planning future growth. Although we are committed to improving the energy efficiency of current and future buildings, on-site renewable energy generation is key in achieving our carbon reduction targets. npower are an important partner for us in working to achieve this."

Graham Ryott, development manager at npower, added: "Many universities like Keele are focused on creating a sustainable environment which will provide a first-class student experience, so it is crucial they work with expert partners who can recommend the best approach and provide a quality, cost effective service.

"npower Energy Services was pleased to have been chosen by Keele University to deliver this solar PV project. Our dedicated team has a wealth of expertise and works in close collaboration with the University to ensure the installation causes minimal disruption to university life and exceeds expectations."

npower Energy Services has a track record of success in the higher education sector with the Keele PV project being the latest in a number of high profile projects it has undertaken with leading universities, such as Oxford Brookes and Aston University in Birmingham.

