



“With rising energy costs, proactive energy management is a necessity for any university these days. As well as helping to manage energy better, focusing on this area also leads to environmental benefits, such as the reduction of carbon emissions, something which prospective students factor into their choice of where to study.”

Martyn Wilde  
Energy Manager  
Keele University

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**How does a University stay on track to make 34% energy reductions by 2020 based on 2005 consumption with a growing Estate?**

**Keele is one of the first universities in the UK to have its Energy Management System certified to the prestigious quality standard of ISO50001:2011, having implemented the system to achieve continual improvement with support from digitalenergy.**

The Estates and Development Department has been committed to a sustainable energy strategy over many years, agreeing a Carbon Management Plan to deliver targets set by HEFCE for the sector. As an early recipient of the Energy Efficiency Accreditation Scheme in 1999 and as one of the first UK Universities to achieve Carbon Trust Standard in 2008, the University has long exhausted quick wins.

When Keele engaged digitalenergy in 2008 the key objectives were set as support in managing compliance and stakeholder engagement. The two objectives soon became one when the full implications of the Carbon Reduction Commitment were understood. It was clear that energy had to be part of the integrated process of running the University.

Applications Implemented

- Energy Management Systems (ISO50001:2011)
- (Energy) Asset Management
- Carbon Reduction Commitment
- Internal Auditing
- Display Energy Certification
- Building Logbooks

Customer Benefits

The benefits of taking a long-term approach to energy management are expected to continue for the University, some benefits to date include:

- Reduced risk from compliance requirements
- #1 in the first Carbon Reduction Commitment League Table published
- Display Energy Certificates driving engagement since 2008
- Increased awareness across campus of energy reduction programs
- Enhanced reputation through external certification

Enhancing internal knowledge of University processes and culture with that of the external knowledge and technical capability of digitalenergy has been a win-win situation from day one.

**About Keele**

With its foundation in 1949 Keele’s history is truly at the heart of the UK with a campus that covers a combination of academic buildings, amenities and accommodation. The estate encompasses the work environments of approximately 1650 staff and 10,000 students.



The foundation and rapid growth has created an intriguing range of buildings on campus ranging from the original Keele Hall dating back to 1851 to the ultra modern new day nursery, opened in early 2013 with many sustainable features including a solar roof.

With a fixed absolute reduction target of 34% linked to University funding it has been essential for Keele to ensure that existing building stock is continually improved whilst new construction is beyond current regulations in terms of efficiency.

However, whilst the assets can effectively be managed through investment, operational reduction is a challenge when staff and students demand more facilities, longer opening hours and research demands more technology.

Contact our solutions team to find out how digitalenergy can put the applications in your hands.

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**Implementation**

Keele’s Energy Management System covers all variables affecting energy performance that can be monitored and influenced by the University. It covers areas as diverse as energy policy, monitoring, measuring, operational aspects and auditing, delivered within a framework developed by digitalenergy.



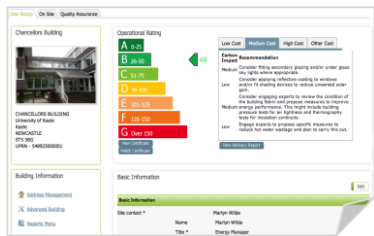
‘Keele University has done a great job in implementing their EnMS with support from digitalenergy in less than 12 months and by opting to have it certified, they’re not only showing that it stands up to scrutiny, they’re also investing in the improvements which continual monitoring brings.’

Tim Watts  
Operations Manager  
CICS

**Continual Improvement**

With the certification of ISO50001 the future is set with continuous improvements and reductions at the heart of all activity.

For digitalenergy the support will be to bring systems together, continuing to deliver efficiency to the operational activity across the University and removing the administration time that has took over a bulk of the working week for many Energy Managers.



“Keele are a prime example of what can achieved with management systems, the natural home for best practice”

Richard Hipkiss  
digitalenergy

Our mission is to empower positive change through greater intelligence in all organisations through the application of energy management software.

We believe that all organisations have the scope to be more sustainable in their operation, where ever they are within their life cycle. Let us share our expertise and call **0845 003 9087**

