

Energy Management - Additional Services

Why Choose TEC?

INTRODUCTION : NESCOL & PowerNow – A Case Study

TEC Member North East Surrey College of Technology (NESCOL) wanted to reduce their consumption and energy costs to release those savings back into the curriculum. By utilising the PowerNow product, which is delivered by EDF Energy and is available as an additional service via TEC's Flexible Frameworks they've been able to monitor, report and manage their energy consumption enabling them to reduce their costs whilst simultaneously saving carbon and supporting their strategic sustainability goals.

The technology uses a cloud-based analytics platform that gives customers an itemised view of their energy consumption and spends across different sites, office floors, research zones and even specific lighting or heating circuits. This provides complete transparency on where and when energy is being used and can show return on investment through accurate measurement.

In addition, PowerNow can also act as an alert system to inform businesses if equipment starts using more energy than it should. This can be a sign of a maintenance issue and when this happens PowerNow can act as an early warning system before a full breakdown.



"We would recommend implementing this product to organisations who are keen to reduce their energy consumption and costs and to release those savings into delivering their core mission."

Maria Vetrone
Deputy Principal Finance and Resources, NESCOL

KEY BENEFITS DELIVERED:

- Able to monitor and report energy usage.
- Easy to use and understand live central dashboard.
- Shows how, when and where energy is being used and reports CO2 output.
- Supports strategic carbon reduction sustainability goals.
- Able to utilize data to identify changes needed in human behavior to reduce energy consumption.
- Enables NESCOL to make decisions and take action on strategic energy reduction.
- Trusted expert energy insight and advice available from team.



THE RESULT:

- PowerNow was implemented at NESCOL on the 10th June, 2019 and so far has identified a lot of energy use outside normal operation at night and at the weekend. The potential to reduce wastage through good housekeeping programmes but also spreading the accountability across the site would deliver more than a 10% reduction in out of hours consumption across non and term time.

“As the UK commits to becoming carbon neutral by 2050 and there is added scrutiny towards higher education centres for their green credentials – with league tables such as the People and Planet University League – many education providers are worried about hitting carbon reduction targets. Starting by making simple changes, organisations can create meaningful indents on their current emissions.”

Vincent De Rul
Energy Solutions Director, EDF Energy

CONTACT US

The Energy Consortium, Innovation Centre, 1 Devon Way,
Longbridge Technology Park, Birmingham B31 2TS

Email: enquiries@tec.ac.uk • Tel: 0121 483 1963 • www.tec.ac.uk

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