

# The Discovery Mill

## ESOS & Energy audits through people

### Case-study

#### Identifying a university's energy opportunities through people



Key components to help make the process *Friction Free*:

- 1 **Strategy** & Energy Reviews are about taking the time to understand where you are and help establish your local strategy and catalyst for action.
- 2 **Training** & workshops provide the skills, capability and mind-sets for champions and significant energy users to drive continual improvement. Training is accredited through ESTA.
- 3 **Apps & Toolkits** provide passive support and quick management systems to make the process as easy as possible for everyday champions to deliver at scale.
- 4 **Hands on support** provides specialist / technical skills, as required, for example for energy audits, behaviour change campaigns, project support, ISO 50001 energy management systems, etc.

People solutions are often the quickest and most cost effective way to deliver energy savings and sustainability at scale

The Discovery Mill and our team have been successful pioneers of energy & sustainability management through people solutions for many years across different industry sectors.

Working in partnership with our clients often involves a combination of strategic, technical & behavioural joined-up thinking, with hands-on or more passive support as required.

Success is often down to the everyday champions involved, based on the understanding that:

- > People are key to delivering better buildings and sustainability improvements aligned to business needs.
- > Collaborative approaches enable people to better connect up technical and behaviour solutions and deliver best results.
- > Making the process as friction-free as possible makes it desirable, focused, integrated and continual, but most importantly owned by the people involved. .



“Businesses in the UK waste on average 20-30% of the energy they buy” **Carbon Trust**

Proud to help mill the hard work out of energy management

[www.thediscoverymill.co.uk](http://www.thediscoverymill.co.uk)

**300 opportunities identified to save energy for the university.** “Working with the Discovery Mill and James has enabled us to deliver a fantastic programme of ‘Big green’ events to help our university client reinforce key messages and generate enthusiasm and involvement in an innovative way”. **John O’Brien, Managing Director, LCMB**



Work with LCMB, Birmingham Airport and their team of energy champions, through training and energy treasure hunts, won **Highly Commended at the Energy Awards 2015**



**Energy management through people**

### **ESOS Energy Audits**

Audits and lead ESOS assessor undertaken for many clients such as the Carbon Trust, commercial & public sector organisations; audits are aligned to BS EN 162471, the standard for energy auditing.

ESOS is UK legislation that requires all large enterprises to audit their energy performance and identify energy opportunities every four years – this applies to all businesses and not-for-profit organisations with 250+ employees (or) €50m+ turnover and a €43m+ balance sheet.

The UK Government estimates these energy opportunities are potentially worth 196 TWh; that’s equivalent to £19.6bn cost savings to the UK economy by 2020.

### **Energy treasure hunts & Big Green events & sweeps**

Undertaken for many clients such as FM service partners, airports, universities, retailers, hospitals, etc.

Using workshops connecting up local colleagues, a hospital team found they could switch off some of their HVAC systems for two or three hours a day without affecting comfort; These quick wins meant the hospital quickly saved £83,000 a year (for little investment) and set up an approach for identifying more improvements in the future.

These events are about raising awareness about energy performance, cultivating local responsibility and empowering people to get involved through treasure hunts and other ways to identify the best opportunities to save energy. Based on systematic methods, tailored tools and training.

### **Identifying a university’s energy opportunities through people. CASE-STUDY, 2012**

**Requirement:** To reinforce the University’s carbon management objectives, engage & involve college staff in identifying energy savings projects and to empower local ownership.

#### **Big idea:**

- Big green events/ energy opportunity sweeps for each department facilitated with the estate team.
- ‘Win Win’: making the events interactive, fun & informative, as well as delivering business benefits.

#### **Key challenges:**

- “Why should I get involved?” “It’s not part of my day job”. “What can we do?”
- Savings delivered by some projects previously lost over time due to local engagement and priority issues.

#### **Motivators & Results:**

1. Energy leadership workshop for the senior estates team to develop and champion the change management strategy, vision and success criteria to deliver carbon targets.
2. Energy review and accompanied energy opportunity sweeps involving the wider team.
3. Series of 5 Big green events run across departments.
4. 300 energy saving ideas generated and bespoke local plans built and owned bottom up.
4. 80% of people actively volunteering to get more involved.
5. On-going support, promotion and development of M&T interfaces and devolved carbon budgeting.

#### **Contact:**

JamesBrittain@thediscoverymill.co.uk  
07970 221 251