

ISO 50001 Energy Management Systems Implementation Case Study Camfil Farr



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Camfil Farr is the global leader in providing air filtration and clean air solutions.

The company's filters are manufactured at 23 production plants across the world and are used in offices, mines, factories, hospitals, nuclear power stations and more. The company is run from a 160,000 sq ft manufacturing plant in Lancashire with more than 200 employees – and the entire workforce is committed to managing and saving energy.

Camfil certified to the ISO 14001 environmental management standard in 2000 and has continued to apply careful energy management, as well as monitor energy use and waste streams. The company leads by example and became the first UK manufacturer to achieve EN 16001, as well as the first organization in the world to be awarded the BSI Kitemark in Energy Reduction Verification. In 2011 Camfil certified to ISO 50001.

Camfil Farr's energy initiatives have led to:

- Energy Awards - Excellence in Carbon Reduction
- Energy Awards – Energy Efficient Product of the Year
- Best Factory Awards - Best Engineering Plant
- MITIE Supplier award - 'Overall Winner' supplier award Carbon Reduction

Background

The company wanted to be seen practising what they promote, for example, their low energy air filters can help customers achieve a 25-50% saving in energy costs. And this led to the launch of a corporate energy reduction programme, Camfil Energy Awareness Saves Environment (CEASE). The programme's key objective was to educate property and building managers about the significant financial and energy saving opportunities that can be made by

replacing existing air filters with low energy air filters – especially in light of the Federation of European Heating, Ventilation and Air Conditioning Association estimate that savings of up to £500 million could be made in the UK alone.

The company established basic management systems for reporting monthly energy consumption across gas, electricity and logistics – including air leak detection surveys and thermal imaging cameras, as well as an online toolkit to monitor progress and calculate savings made.

Getting Started

Camfil were fortunate in that they already had an energy audit procedure in place. They are committed to working with energy management standards and meeting ISO 50001 requirements – and this means overcoming challenges on the way. Brian Haslam, Quality, Environmental and Energy Manager, explained: “The most challenging part of ISO 50001 is the implementation and ongoing monitoring of energy use against other relevant variables. This involves a long-term commitment to monitoring and allocation of resources.” However, this proved beneficial as the company started to look at its energy use in more detail and identified previously

unmonitored areas of energy use. This in turn allowed Camfil Farr to achieve savings that may have otherwise been overlooked. Brian added: “We believe if you can’t measure your energy, you can’t save it.”

Implementation

Camfil chose to integrate its management systems with common procedures that were already in place through ISO 14001 and EN 16001. ISO 50001 helped the company focus on continual improvement of energy performance. Only one new procedure was introduced – an energy management workshop. Key to the company’s success has been engaging and involving every

member of staff. There has been a positive effect on employees to improve energy management. The company has an energy efficient culture and values “least effort / biggest reward”. Camfil staff are continuously rewarded for their energy saving initiatives via a bonus scheme which includes a 1% for energy reduction in pay reviews. Brian added: “Energy savings require the commitment of top management and the whole workforce. There ideally needs to be a champion in the organization who can drive change and savings.” He also noted that the certificate of registration could be amended to reflect the savings that an organization has achieved over the previous years of compliance.

Camfil have reduced
energy costs from
£500,000
in 2008 to
£300,000



Conclusions

The company is proud to be a sustainable organisation in both its operations and the products it manufactures. Camfil has reduced its energy bill year on year, saving carbon and hitting sustainability targets. They have also enjoyed improved PR through certification to ISO 50001 and numerous awards including the Carbon Reduction Award for SMEs, the Kitemark for Energy Reduction Verification (ERV) by BSI and the Best Engineering Plant of the Year presented by Cranfield School of Management.

Managing Director Bill Wilkinson added: “Our energy efficient culture costs us nothing and our employees enjoy it. Having a formal standard like ISO 50001 in place demonstrates our commitment at all levels across the organization. This approach saves money and protects the environment.”

About ISO 50001 Energy management systems, Requirements with guidance for use

What is your organization doing to manage energy efficiency and control energy costs?

ISO 50001: stipulates the requirements for an energy management system. Designed to make the most of energy technology, this standard helps management to reduce their energy consumption, while boosting their overall energy conservation. This includes reduced energy costs and carbon emissions, and a more secure supply of energy. ISO 50001 helps organizations to take on a systematic approach to continually improve their energy performance and establish a credible, certified reputation.

This unique standard also helps improve management techniques by providing a comprehensive scope of requirements to run an efficient energy management system. These include energy policies, planning, legal requirements, as well as energy reviews, baseline and performance indicators. ISO 50001 also explains how to demonstrate competence, operational control and best practice procurement of energy services, products and equipment.

About BSI

BSI is a global independent business services organization that inspires confidence and delivers assurance to over 80,000 customers with standards-based solutions. Originating as the world's first national standards body, BSI has over 2,400 staff operating in over 120 countries through more than 50 global offices. BSI's key offerings are:

- The development and sale of private, national and international standards and supporting information that promote best practice
- Second and third-party management systems assessment and certification in all critical areas of management disciplines
- Testing and certification of services and products for Kitemark and CE marking to UK, European and International standards. BSI is a Notified Body for 17 New Approach EU Directives
- Certification of high-risk, complex medical devices
- Performance management software solutions
- Training services in support of standards implementation and business best practice.

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