

Climate Change Agreement Monitoring and Reporting System Yule Catto

Industry recognises the significant environmental benefits and variable cost savings that are possible through improved energy efficiency management. In 2001, Climate Change Agreements (CCAs) were introduced by the Government to provide industrial operators with an 80% rebate on the Climate Change Levy (CCL) on fossil fuel use in return for meeting demanding energy efficiency and greenhouse gas (GHG) emission reduction targets. Yule Catto required a robust and auditable monitoring and reporting system so that it could manage its CCA over the period January 2002 to December 2010.

The objectives for this work were therefore to:

- Gather information on energy use profiles and key performance indicators for the 10 chemicals manufacturing sites covered by the group's CCA;
- Determine the group's requirements in terms of monitoring and reporting of performance against the CCA targets, including forecasting of future performance; and,
- Develop a user-friendly software tool

to implement the CCA monitoring and reporting system across the group.

The project was fast-tracked over a 3 month period to allow Yule Catto to gain the full benefit of using the system before the end of the first CCA compliance period.

The tool was developed in Microsoft Excel, making use of advanced features to improve the user-interface. Specific energy use curves for production at each site were developed to allow forecasting of energy use.

The system automatically generates monthly progress reports for individual sites and for the group. A financial analysis of energy savings measures is also produced. The system allows site and group managers to identify problems and opportunities, including the potential for emission trading.

Entec successfully rolled-out the system across the group to ensure that the CCA reporting, auditing and verification requirements were met. This helped secure a £0.5 million/year CCL rebate.

Facts and Figures

Project

Development of a Climate Change Agreement Monitoring and Reporting Tool

Client

Yule Catto

Entec Services

Key services associated with delivery of this project included:

- Determination of Yule Catto's energy use profile and key performance indicators for energy efficiency and greenhouse gas emissions.
- Review of the group's Climate Change Agreement (CCA) including requirements for reporting, auditing and verification.
- Development and roll-out of a user-friendly software tool to allow CCA monitoring, reporting and verification, including forecasting of future performance, financial analysis of savings and potential for emissions trading.

*Enabling management
of climate change
agreements for UK
chemicals business*

