

# Case Study

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## Aluminium Castings Manufacturer

### *The Challenge*

Following the Kyoto Conference in 1997, the UK government agreed to reduce carbon dioxide levels by 20% by 2010. The Climate Change Levy was introduced in April 2001 to help and encourage businesses to respond. As a manufacturer of finished aluminium castings for the automotive industry, the company is a high user of energy it was considered affected by the Climate Change Levy.

### *The Solution*

A Site Energy Audit was undertaken and related to production output to establish baseline energy efficiency values. A strategy was outlined which included procedures for the management of energy and the reduction of waste. Replacement of equipment and systems was recommended where technology improvements would contribute to energy efficiency.

### *The Outcome*

An application to the Sector Association representing the foundry industry to the government was prepared and submitted. This was accepted for participation in the Sector Climate Change Agreement, and resulted in a significant reduction in the levy in exchange for commitments agreed with the Sector Association to improve energy efficiency and achieve reduction targets by 2010.



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