

ENER·G EFFICIENCY saves over 40% on fuel consumption at Ceandess

Engineering company Ceandess Ltd has cut annual fuel consumption by over 40% at its Wolverhampton factory through the hire of a 'guaranteed performance', energy management system from ENER·G Efficiency.

Employing over 60 staff, Ceandess manufactures a range of components for the automotive, engineering and allied industries using the latest laser profile cutting machinery, CNC punch presses, press brake facilities and robotic welding equipment. The site features two main production shops and a two storey building with offices and a toolroom.

The new ENER·G Efficiency control system at Ceandess ensures that this heating and ventilation plant is now fully integrated and efficiently managed from one central point.

'Control of our H&V equipment left plenty to be desired' says Ceandess Managing Director, Clive Davies. 'We had six independently programmed controllers regulating heater operation. Something had to be done'.

Ceandess's own employees were constantly changing the controller settings, resulting in inconsistent temperatures and high fuel bills. At the same time, if employees were in on a Saturday or the site was closed on Bank Holidays, then re-programming the controller settings also took time, and plant would sometimes be left running wasting more energy. Effective energy management was compromised by two other factors: the extract fans taking heat out of the building whilst the heaters themselves worked even harder to keep it warm; and huge roller shutter doors left open



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unnecessarily in both shops, allowing heat to escape outside.

'The attraction of the ENER•G Efficiency solution was two fold' explains Clive Davies. 'They actually guaranteed a level of annual energy savings and then carried out installation at their expense – all we pay is a monthly direct debit, effectively to hire the control system. This saves us making any capital outlay and ensures that we end up paying for the control system out of the fuel savings we gain. It also means that if we're not satisfied we can just cancel the agreement and ask for the control system to be removed'.

Using a remote connection, ENER•G provides constant monitoring for Ceandess. This provides technical support and is also the source of monthly reports shared with the customer. The graphical site overview on a PC allows the Ceandess site manager to make any time and temperature adjustments quickly and easily eg to account for holiday periods.

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results in accurate time and temperature control. Sensors monitor outdoor air temperature and roller shutter door operation, enabling heater operation in line with ambient weather conditions and switching the heating off when the doors are left open for long periods. Automatic control of the air extraction fans also ensures optimum efficiency.

'Since its installation in September 2002, the ENER•G Efficiency control system has proved its value to us. We've reduced energy consumption by over 40%.'

ENER•G Group is a leading distributed power generation and energy management company, providing clean energy initiatives with visible benefits to the environment.

As well as ENER•G Efficiency, the group's business activities include small-scale combined heat & power, renewable power generation from landfill gas, and, energy from waste.

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