

ENER·G EFFICIENCY

American Standard taps into lower fuel bills with ENER·G EFFICIENCY

ENER·G Efficiency has set the standard for energy management following the installation of one of its systems at a Brassware factory in Wolverhampton, reducing heating bills by an impressive 40%.

The American Standard Brassware site incorporates a dedicated foundry, manufacturing and plating plant, stores, tool rooms, offices and employee rest room facilities within three distinct buildings.

As manufacturing at the factory has developed and changed over the years, so a combination of different plant items have been installed to provide the necessary heating and hot water services for the workforce. These include three small boilers connected to conventional radiator and hot water circuits while heating in the many manufacturing cells is provided by over 40 direct fired industrial warm air units, supplied by a range of different companies.

'We realised that our mixed bag of independently controlled, heating equipment and systems was not the most energy efficient of solutions' explains Robin Theobald, Works Engineer at the factory. 'If we could find a way to control all the heating plant on the site from one point then we were sure that a 25% reduction in fuel bills was achievable. The ENER·G Efficiency system has exceeded our expectations in every way'.

Following a detailed audit of existing energy usage, ENER·G Efficiency specifically tailored its intelligent control system to the heating plant at the site. Local on/off switching of the warm air units resulted in working conditions that were either always too hot or



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too cold. The new ENER•G Efficiency control system uses 21st century building controls technology to ensure that the space temperature is just right, automatically compensating for ambient weather conditions.

Time scheduling of the entire system has also been introduced so that the heating need only operate when required, again significantly boosting energy efficiency.

The control system is centrally monitored from a PC where the graphical site overview allows Works Engineers to make any time and temperature adjustments quickly and easily eg to account for holiday periods.

The system is also controlling, much more efficiently, the operation of the site's boilers and hot water calorifiers, in addition to the fans which provide summer ventilation for the factory. Using a remote connection to the control system, ENER•G Efficiency is able to monitor system performance effectively and

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provide savings reports to the client on a regular basis.

‘A 40% saving on fuel costs in the first six months of this year speaks for itself’ says Robin Theobald. ‘We are delighted with the ENER•G Efficiency system – it has already more than paid for itself, and will continue to keep our fuel bills down in future years’.

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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