

helping to measure, manage & control your energy

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## Instant Energy & CO<sub>2</sub> Reductions at GOEM

The need for significant CO<sub>2</sub> reductions in order to control global warming is clear and with Energy Display Certificates just around the corner one regional government office has taken a lead in reducing emissions.

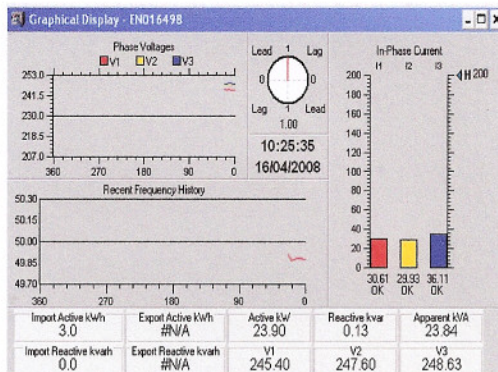
Joseph Baldwin is a Deputy Facilities Manager working at the Government for the East Midlands offices in the Centre of Nottingham. Joseph was tasked with installing electricity meters and an automatic energy monitoring system as part of a campaign to reduce emissions. Joseph called upon the expertise of local metering and monitoring specialists UMS Ltd to provide an effective solution.

UMS Ltd selected and installed Elite meters networked to an EASEII Manager software package. This solution not only provides automatic meter reading and reporting but also offers real-time monitoring of consumption and Joseph put to good use at the commissioning stage of the system.

Joseph noticed that the air curtain heating system in the entrance lobby was using almost 24kW of electricity and was by far the largest single load in the building. On investigation he found that the system was set to full heat output and by reducing this to half there was an immediate saving. Later analysis of the load survey data revealed that the system was not on a timer and was essentially running 24/7 during the heating season. The plan is now to fit better controls to ensure these instant savings are maintained.

Joseph said "being able to see how electricity is being used around the building is very revealing and the system allows me to switch off unnecessary loads and see an immediate reduction in our electricity usage".

Before



After

