



ENERGY SAVING FILE - CLOSE CONTROL SYSTEMS

PROJECT	HVAC ENERGY SAVING PROJECT
CLIENT	DATA CENTRE FOR FINANCIAL ORGANISATION
RESULT	£36,917 ENERGY SAVINGS ON 22 CLOSE CONTROL UNITS

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PROJECT: HVAC ENERGY SAVING PROJECT FOR LEADING FINANCIAL ORGANISATION



THE BRIEF

Targeting large HVAC energy consumers has highlighted Efficient Air's innovative project management skills to produce considerable savings in fan power and cooling. Close Control Units are common place around data centres, telecommunication exchanges and where temperature controlled environments are crucial to maintain information infrastructure.

THE CHALLENGE

Once identified and whilst maintaining current critical operational air conditions, Efficient Air were set the task of reducing the energy consumption of 22 Close Control Units by 35%. These units served a common computer suite that control financial information and data transfer.

THE RESULT

The airflow rates were matched and could be reduced to give energy savings of up to 73%. It was also found that the cooling load provided by the chilled water circuit had reduced due to an improved airflow pattern across the coils.

THE BOTTOM LINE

Proven Energy reductions of over 38kW/hr have produced annual savings of £18,300 when matching existing airflows. Meeting the required cooling levels has produced a fan energy saving of 76kW/hr which equates to almost £37,000 and a payback of 23 months.



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A PARTNERSHIP THAT WORKS....

"The work carried out by Efficient Air has proven significant energy savings by fan replacement. This has inspired us to carry out further fan replacement projects throughout our portfolio..."
Energy and Facilities Management.

Efficient Air is an independent energy consultancy, dedicated to achieving significant energy savings on it's UK customers' bills by evaluating all aspects of the HVAC system. By retrofitting technically advanced products into air handling units and air conditioning systems energy saving can amount to between 20 and 75 percent for large and medium size energy users.

Our independent evaluation service is based upon a proven knowledge of all types of air handling systems, and our ability to quickly calculate the percentage energy savings by installing the latest air movement technology.

By investigating thoroughly all aspects of the air conditioning systems, fan installations and related equipment we can guarantee our clients a maximum payback.

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Certificate number 3785/03

INVESTOR IN PEOPLE

PLEASE FAX 01825 748151 FOR FURTHER DETAILS

- PLEASE CONTACT US TO ARRANGE A FREE ENERGY AUDIT ON A FAN SYSTEM.
- PLEASE CONTACT US TO ARRANGE AN HVAC SYSTEM INSPECTION
- PLEASE CONTACT US TO ARRANGE A VISIT BY ONE OF OUR ENGINEERS TO DISCUSS THE INITIAL SAVINGS

NAME:.....JOB TITLE:.....

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