



## Energy Efficiency Case Study June 2008



A Technical Energy Survey of the Air Handling plant at ATS Euromaster's Head offices in Birmingham revealed that there were potential savings by installing inverters and modifying the existing BMS (Building Management System) to reduce the running costs of 3 Air Handling units by 48%, saving £15,122 in electricity.

Original AHU Fan running costs:	£31,000.00
per year	
New AHU Fan running costs:	£15,878.00
per year	
Saving:	£15,122.00 per year
Project Cost:	£19,185.00
Payback:	1.25 Years
Energy saved:	164 MWh
CO2 saving:	70 Tonnes

BMS software re-written to allow the plant to operate between selected high/low temperatures only. Installation of Motor speed control Inverters to reduce motor power consumption.

**(On going savings of £15.0K every year & increasing)**

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