

Pricing Framework - HVAC Energy Reduction Services

Service Name	Service Description	Charge Rate	Customer Benefit	Maintenance benefit	Guarantee
 Air Handling Unit Energy Audits	Business case proposals for direct drive, high efficiency EC fans, motors and VSD control (pressure, temperature, CO ₂)	No Charge	Identifies projects with 20 to 42% reductions in fan motor input power. Paybacks typically between 18 to 36 months. Reduces CRC tax	Reduced maintenance costs from the elimination of belt drives. Reduced risk of breakdown. New equipment provided with warranty	Energy consumption monitored before & after, reduction guaranteed
 External Heat Exchangers Energy Audits	Business case proposals for high efficiency EC fans and modulating head pressure control	No Charge	Identifies projects with 20 to 52% reductions in CHILLER load, plus 20 to 42% reductions in fan motor input power. Paybacks between 12 to 36 months are typical. Reduces CRC tax	Reduced risk of high ambient temperature trip outs. New equipment provided with warranty	Based on a 7 day system snapshot, before and after, we guarantee to be within ±10% of business case claim
 Data centre Cooling Units Energy Audits	Business case proposals for direct drive high efficiency EC fans, or VSD control on - CRACs, UPS and up-downflow units	No Charge	Identifies projects with 35 to 52% reduction in fan motor input power. May also allow for increased IT density. Reduces risk. Paybacks typically between 18 to 36 months. Reduces CRC tax	Reduced maintenance costs from elimination of belt drives. Reduced filter change regime. Reduced risk of breakdown. New equipment provided with warranty	Energy consumption monitored before & after, reduction guaranteed
 SPHERE DATA CENTRE COOLING OPTIMISATION <i>Quantify - Implement - Verify</i>	Holistic data centre cooling energy optimisation. Analysis and reporting on free cooling opportunities, chillers, air movement, floor void integrity, hot/cold aisle containment and control	Typically £3,600 to £4,800	Reduces energy consumption. Increases IT density available. Increases redundancy of cooling units. Reduces risk of failure. Reduces PUE. Reduces CRC tax	Increased resiliency. Increase redundancy. New equipment provided with warranty	Guarantee of savings identified greater than Survey costs
 CHILLER CHECK	Energy audit of chiller refrigeration circuits & operation, using Klimacheck energy analyser	Typically £1,495 (2 x Chillers)	Report on current energy performance, against manufacturers rating, with advice on how to increase efficiency. Up to 10% energy reduction on 80% of chillers. Reduces CRC tax.	Independent verification of correct set points, flow rates and refrigerant charge. Can also used for checking new assets & assessing risk	NA
 CHILLED WATER System Energy Survey <i>Quantify - Implement - Verify</i>	Energy Survey, 7 day monitoring and holistic analysis of centralised chilled water system	Typically £2,950 to £3,500	As above PLUS - Identification and quantification of quick win energy savings, capital replacement projects for chilled water system components	As above PLUS – System quick win energy & operational savings	Guarantee that the savings identified will be > than the survey costs
 EPBD Air Conditioning Inspections	Compliance with Energy Performance of Buildings Regulations to CIBSE's TM44 methodology	Based on assets	Identification of quick wins. Avoidance of fines by Trading Standards Officers, and negative CSR publicity	Identification of HCFC risk. Quick win energy & maintenance savings action list	NA
 HVAC Energy Surveys (Compliance Plus)	Compliance with EPBD regulations PLUS full energy survey of the heating, ventilation and air conditioning system.	Based on assets	Identification and quantification of Quick Win energy savings and capital replacement projects across all HVAC plant	As above	Guarantee that the savings identified will be > than the survey costs
 HEATCATCHER	Waste heat energy recovery feasibility analysis. Looking at the application of reclaim technology on the site	Typically £3,600	Reduce energy usage. Benefit from government funding and financial incentives. Comply with legislation	Alternative energy source reduced risk. New equipment provided with warranty	Yes, required under the contract.

For all enquiries, contact Julian Jowitt : 01825 748150 mobile: 07525 987004
www.efficientair.co.uk

EFFICIENTAIR
 HVAC ENERGY SAVING SOLUTIONS