

Product Information

AHS Specialist Services HVAC System Energy Upgrades and Refurbishment

New AHU's have to be designed to meet stringent regulations, the 2016 Building Regulations Part L2.

These regulations demand a limit on the specific fan power (SFP) of each component in the AHU. As well as making the new AHU relatively expensive, it also has to be larger to limit the air pressure through each component. Where possible, existing AHU's can be refurbished and upgraded to make them considerably more economical to run, and at the same time reduce maintenance costs.

Our team of experts carry out initial technical evaluation to enable you to make an informed decision on your HVAC plant.

The reports include:

- Comparison of refurbishment and replacement of AHU's and other equipment to include capital cost, carbon, energy saving and running costs.
- Energy surveys and reports on complete AHU systems, including leisure centres, retail stores, cinema's, office blocks, universities just to name a few.
- High specification site reports such as hospital surgical and ward standards, pharmaceutical and clean room applications.



Contact us

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ahs 
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Reduce Operational Costs and Increase Efficiency

The biggest savings can be achieved by replacing forward curved double inlet centrifugal fans with single inlet backward curved 'plug' fans or EC fans. These will usually have a smaller motor for the same duty requirement, and with inverter fan speed control or built in electronic control on EC fans there is the possibility of demand led control of the ventilation, or accurate commissioning with the minimum power requirement. Night setback and air quality monitoring are possible with inverter installation providing major opportunities for energy saving. Other good payback areas are for the latest type of condensing gas burner's we install, inverter controlled DX system and compressor's, along with our inlet screen's for inlet louvre's & chillers.

AHS Specialist Services can provide a spreadsheet illustration of the energy saving with the introduction of 'plug' fans into AHU's.



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