

Hospital Air Handling Unit Refurbishment and Upgrading



Repair
Refurbish

VES has provided air handling products and services to over 200 hospitals in Great Britain to the exacting standards of either the old HTM2025/CO4 or the current HTM03 specifications and have considerable experience and knowledge in this specialist area.

VES Specialist Site Services division is the market leader in the energy efficient refurbishment of existing equipment and can work on ANY make of existing unit. This is far more cost effective than a new unit.

VES can also reconfigure existing theatre AHUs to cope with the latest operating procedures, again at a fraction of the cost of new.

Recent Hospital Works



Moorfields Eye Hospital



Salisbury Hospital



West Middlesex University Hospital



Addenbrooke's Hospital



Blackpool Victoria Hospital



Nottingham Hospital

Casework



Before



After

Benefits

- ▀ Refurbish or repair any existing packaged air handling unit
- ▀ More cost effective than new
- ▀ Less disruption and more flexibility
- ▀ Can give up to an additional 15 years working life to existing equipment

Premium Efficiency Fan / Motor



Before



After



Benefits

- ▀ EC, Energy Plug and EC+ available
- ▀ Complete energy solution for all fan types and sizes
- ▀ Improve fan efficiency
- ▀ Demand control
- ▀ Auto commissioning

Changing Heating Coils



Before



After

Benefits

- ▀ Change existing AHU heating coils to suit lower water temperatures during energy saving initiatives
- ▀ Replace expensive electric heaters with gas or LPHW
- ▀ Modify existing units and controls to improve energy efficiency such as adding night-time free-cooling

Barnet Hospital Case Study



Severely corroded coil



Completed installation

Specialist Site Services surveyed existing AHUs and amongst other issues, identified that many of the AHU heating coils were either clogged or severely corroded and therefore these were all successfully replaced.

Moorfields Eye Hospital Case Study



Installation of the large AHU



VES have designed, manufactured and assisted the contractor with the installation of many AHUs on this site over the last 15 years.

These pictures were taken during the installation of one of the larger AHUs feeding the clinic areas.

Addenbrooke's Hospital Case Study



Installation from flat packed HTM-03 unit

Addenbrooke's Hospital, Cambridge is a world-renowned teaching hospital with strong affiliations to the University of Cambridge. Specialist Site Services manufactured two HTM-03 specification air handling units and assisted the contractor by flat pack installing them in situ. Another unit was ordered by Addenbrooke's NHS Trust for the new Rosie Hospital fit out.

Demand Ventilation



Air Quality



Demand Ventilation

Benefits

- Reduce energy consumption
- Slower fan speed
- Lower heating and cooling demands to suit current occupancy and ambient conditions
- Many occupancy sensing options
 - PIR/Time clock/Switch
 - CO₂ / VOC
 - temperature override

Specialist AHU Maintenance



VES' energy efficient refurbishment will leave your air handling equipment in peak condition, consuming the minimum amount of energy. It will only remain that way if it is regularly maintained. The components within an air handling unit will gradually consume more energy over time. VES Maintenance Agreements ensure that these valuable assets remain 100% efficient, 100% of the time. VES provide a cost-effective service that clients can rely on, keeping costs and downtime to a minimum.

Ask us for a free, no-obligation quotation, which can be completely tailored to your needs.



Maintenance

VES know air movement, helping to save you money