



Case Study

## London Hospital

Unit reference

Day theatre AHU's

Scope of works:

HTM upgrade & Refurbishment

**The trusts' units are reaching the end of their life expectancy with many internal components in poor condition. A consultant's study had been put into place to replace the AHU's, however due to the limited space within the existing plantroom along with the long period of downtime connected to the replacement option, a full HTM refurbishment option was suggested by AHS Specialist Services.**

The existing units were fitted with motor out of airstream (MOAS) designed backward curve fans with damaged panels, corroded filter, coil, and damper sections.

The works on each of the theatres was completed over a planned two-week programme in conjunction with the trust & trust appointed contractor to keep downtime for the theatres to a minimum. This included extended hours and weekend working.

New EC fans were fitted to reduce the energy and maintenance cost. HTM layout was improved by relocation of the new components within the existing spaces. New HTM stainless steel framed coils, dampers, filter frames and filters, corrosion treatment c/w stainless steel flooring, new access panels c/w portholes and door furniture, LED lighting were fitted and the AHU case & framework externally painted. Pipework layout was changed to improve access to key components, along with BMS improvements made by the trust appointed contractor.

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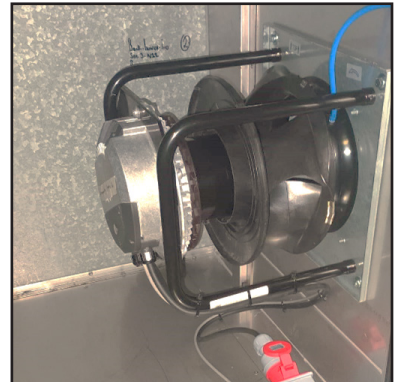
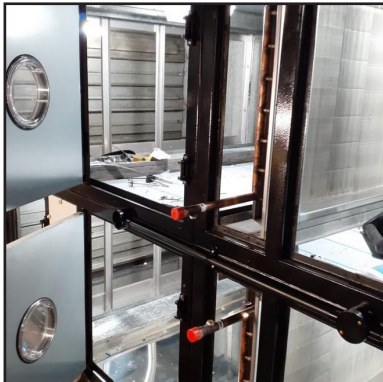
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## Before Upgrade



## During Upgrade



## Completed Upgrade

