



Case Study

Large AHU DX heat pump upgrade on a number of units

Unit reference

Pharmaceutical manufacturing environment

Scope of works:

Various

Scope of works: Upgrade AHU to utilise DX heatpumps, EC fans, and mixing dampers, allowing the removal of the existing gas burner and assisting with the site decarbonisation scheme. BMS upgrades to suit heatpump design were carried out by the incumbent controls company with assistance provided by AHS-SS technical support.

Within the wider commercial sector there is an increasing demand for decarbonisation and removing sites from the gas networks where possible.

AHS-SS were asked to provide a cost for modifying existing AHUs to remove the existing gas burner's and install a DX heatpump system.

The existing AHU internal components were approaching the end of its life cycle, however with the main framework being in good order, along with a number of the original fixed panels, the upgrade option was far more economical than a full replacement. Carrying out refurbishment rather than replacement reduced the production downtime for each AHU.

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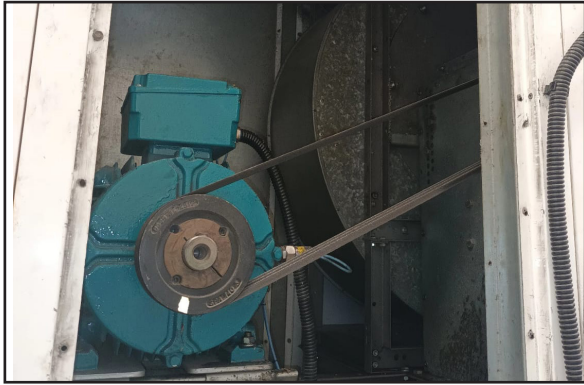
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Before Upgrade



During Upgrade



Completed Units

