

# AHU Motor Replacement

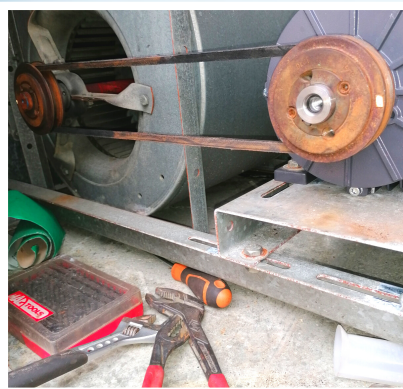
## CHALLENGE



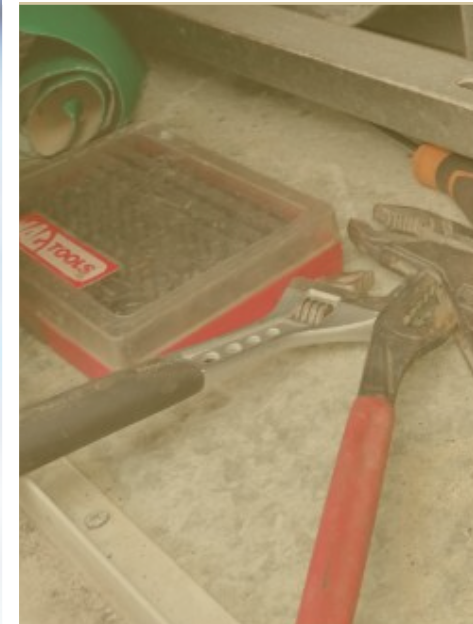
HVDS looks after the air handling units (AHUs) and local exhaust ventilation (LEV) systems for a large bakery in the East Midlands. A motor in one of the air handling units was coming to the end of its useful life and was running less efficiently.

Having left the old motor in place would have seen a rise over time in the energy consumption of the AHU. For this reason, the engineering manager was keen to get the motor replaced.

Energy efficiency improvements such as this would also help the factory lower its carbon emissions.



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## CASE STUDY

### AHU Motor Replacement

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### SOLUTION

Our experienced engineers removed the old motor from the AHU and replaced it with a high efficiency AC motor, which took half a day to complete.

The bakery benefits from our comprehensive FUSION™ 4D service, so we spent the next day and a half on site carrying out routine work. This included changing air filters in the AHU and cleaning the interior of the AHU to remove debris, inspecting and cleaning ductwork, changing a fan drive belt and carrying out a thorough examination and test of (TExT) of their LEV units.

All work undertaken over the two days served to improve the energy efficiency of the AHUs and the LEVs, as well as maintaining good indoor air quality on site.

