



Summary



Industry:	Food - Bakery & Cereals
Application:	Air Handling Units
Actual Saving:	£13,000
Payback Period:	6.2 months



Fenner Inverter Decreases Costs

Biscuit Manufacturer sees efficiency savings from Fenner

ISSUE

The production of one of the countries most popular snack foods used 18 individual 4kW air handling units in the cooling process. The system struggled to cope with the production demands and required additional mobile units to be hired in during hot summers.

ERIKS identified that part of the problem was the belt drives; so during the process of upgrading these to Fenner Quattro PLUS, ERIKS offered the customer the option of saving energy with inverter control. This was evaluated with a cost savings calculated and presented.

SOLUTION

The project to retro fit 18 Fenner 4kW QD:HVAC IP55 inverters was quickly approved, with the ERIKS team installing and commissioning the drives.

With the damper system now removed, the drives can be easily controlled at around a 70% flow range. The benefits of this include time saving and increased accuracy in the control of airflow and an overall cost saving by opting for the IP55 unit that could be installed near to the AHU's eliminating the need for additional panels.

The customer now saves money producing enough biscuits to stretch from London to Australia and back!

OTHER BENEFITS

- Removed the need for additional mobile units during hot summers creating additional savings.

FURTHER COMMENTS...

The simplified but more accurate control of the AHU's has improved the product quality.

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ERIKS, CCC Drives & Power
Transmissions

MORE INFORMATION

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