



### Summary



<b>Industry:</b>	Food - Prepared Foods
<b>Application:</b>	Cooling Water Pumps
<b>Actual Saving:</b>	£44,000 per annum
<b>Payback Period:</b>	Undisclosed

# Fenner®



## Precise, Efficient Control Helps Reduce Carbon Footprint

Fenner QD:HVAC Inverters Reduce Energy Consumption by 38%

### ISSUE

The manufacturer of a well known vegetarian meat substitute, uses a lot of cold water for cooling the product during the production process.

The water is pumped to key parts of the production site using large centrifugal pumps. It was recognised, that the three pumps, which consumed over 200kW of electricity, were a good starting point in the mission to reduce the site's energy usage.

### SOLUTION

ERIKS were able to advise the customer on the potential issues and best practices for integrating variable speed drives into the existing computer controlled systems.

Various brands of inverter were considered, but the clear winner was a suite of three Fenner QD:HVAC inverters.

The simplicity of the product, rugged construction, and the comprehensive backup and support from ERIKS was of huge appeal to the customer.

The three Fenner QD:HVAC inverters were installed, and now deliver the exact flow of cooling water to precisely where it is needed.

### OTHER BENEFITS

- Built in Energy Optimiser - Automatically adapts the motors power consumption to match the actual load.
- Easy to set-up - The FENNER QD series inverters have some of the shortest instruction manuals of any other inverter in it's class.
- Closed Loop Control - A pressure sensor can be fitted, to allow the inverter to automatically regulate the pump's output, saving even more energy.

### FURTHER COMMENTS...

This fully automated control has reduced the energy consumption of the water pumps by some 38% over the year.

### MORE INFORMATION

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