



Summary

Industry:	Food and Drink
Application:	River Water Pumps
Actual Saving:	£3,244 pa
Payback Period:	26.65 months



Inverter Driven Pumps Increase Efficiency

Energy usage reduced by almost half with new installation

ISSUE

A customer had old inefficient pumps installed, pumping water from a river to their factory for cooling purposes. The installed pumps were using 22kW of power and are fixed speed.

SOLUTION

Following an initial inspection of the application ERIKS suggested that the incumbent pumps should be replaced two more efficient pumps that, when used in conjunction with inverters, would provide a more effective solution.

The pumps only run when the factory has the demand. The new pumps will supply the water equally as fast as the old pumps but will ramp down or stop when there is less demand from site. Even before the inverters are used, due to the pumps being a more modern and efficient equivalent, the motor power being used is only 12.1kW compared to 22kW.

OTHER BENEFITS

- Energy savings - less installed power and even less used when connected to the inverter
- Cost savings - customer energy bill is reduced

FURTHER COMMENTS...

The customer is very happy with the new installation, they have now been successfully running for over 8 months, reducing his carbon footprint and saving on his energy bills.

MORE INFORMATION

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