



Summary

Industry:	Water & Waste Water
Application:	Liquor Transfer System
Actual Saving:	£2,100
Payback Period:	



Inverter Increases Reliability and Reduces Costs

Unreliable belt drives replaced with Inverter and Fenner Motor

ISSUE

A large Utility customer was experiencing frequent reliability issues with belt driven drives on positive displacement equipment used for transferring liquor from the belt presses to the primary settlement tanks on a sewage treatment works. Repairs were expensive and time consuming, as belt driven equipment can be ineffective when not maintained properly. ERIKS were asked to make recommendations for a solution.

SOLUTION

ERIKS fabricated adaptor plates to facilitate installing a replacement system of Helical Bevel Inverter and Fenner GT Motor. This solution removes the need for belts, and reduces mechanical wear through a controlled start up. The replacement unit is F1 efficient, reducing the long term costs for the customer.

OTHER BENEFITS

- Faster turnaround for spares or repairs
- Energy savings with an inverter
- Mechanical wear reduced due to inverter

FURTHER COMMENTS...

Using the inverter on start up has greatly reduced the mechanical wear, reduced the energy usage and improved reliability.

MORE INFORMATION

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