Case Study

Electro Mechanical Services

Summary

Industry:	Metals
Application:	Cooling Water Pumps
Actual Saving:	£n/a
Payback Period:	

Obsolete Water Cooling Pumps Replaced With Efficient Solution

Energy costs reduced with the introduction of an inverter to control system demands

ISSUE

The customer, a large steel manufacturer, had a split case of cooling water pumps that dated back to the 1960s. The requirements of the plant had changed over the years and in order to satisfy the plant demands, both the duty and standby pumps had to be used to achieve the required flow rates.

This is not energy efficient, but also meant if there were any issues with either pump the plant would have had to be shut down.

SOLUTION

Working with the customer we determined what the peek flow rates were and also what both the static and frictional head were. This then gave us a duty point to specify new pumps so they could be a true duty/standby. Following detailed discussions it was decided to replace the obsolete pumps to avoid unecessary, prolonged downtime if they were to fail.

As the system demands vary with the process we also suggested fitting an inverter linked to a flow meter - this would also provide them with significant savings on their energy costs.

OTHER BENEFITS

- Reduced downtime
- Significant savings on energy costs

FURTHER COMMENTS...

Working directly with the customers engineers we were able to provide them with a tailor made solution to match their exact requirements.

MORE INFORMATION

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