Case Study

Electro Mechanical Services

Summary

Industry:	Petrochemical
Application:	Energy saving on Cooling Water Circuits.
Actual Saving:	£22,000
Payback Period:	n/a

Energy Suggestion saves £22,000

ERIKS simple yet effective advice for pump user

ISSUE

ERIKS were called into a plastic pipe manufacturer to investigate the energy usage on their cooling water circuit. The manufacturer had six no. SPP end suction centrifugal pumps installed on site and used on three different water applications.

The pumps were installed on a duty/standby arrangement and only one pump per system was used at any one time, running continuously at full load.

SOLUTION

As the pumps were running continuously at full load, installing variable speed drives would only offer a benefit on starting thereby not offering a substantial cost saving.

However when ERIKS Pump Engineers were on site, it was explained that the pumps are left to run at full load all week, even on weekends when no production is being carried out. By either switching the pumps off manually at the end of a working week or by installing a timer circuit into the existing control panels, the customer would realise a significant cost saving as detailed below.

The combined usage from 3 motors running is 112kw per hour and switching these units off over a weekend would offer a cost saving of £22,000 per year.

OTHER BENEFITS

- Cost saving of £22,000 per year.
- Reduced environmental impact

FURTHER COMMENTS...

The customer was so impressed with ERIKS pumping expertise that they have asked them to overhaul all 6 pumps. The units were previously sent to a different company, however they offered little input to improvements and savings.

MORE INFORMATION

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