



## Summary

<b>Industry:</b>	Drink - Soft
<b>Application:</b>	Pump Asset Management
<b>Actual Saving:</b>	£150,000
<b>Payback Period:</b>	Per annum



## Surpass Industry Targets With Pump Asset Management

## ISSUE

A major global beverage manufacturer had worked with ERIKS - on a repair-only basis - for the pump assets in their UK production plant and over the course of several years.

During the course of the partnership ERIKS also reviewed the asset for Total Cost of Ownership (TCO) including energy use, life and maintenance cost recommending changes to impeller surfaces or complete replacement based on TCO analysis.

It was from this review that ERIKS identified that with Asset Management they would have fewer critical breakdowns, stoppages and repairs.

## SOLUTION

To illustrate the importance of their asset management approach, ERIKS extended its activity to compiled data across a number of key aspects with the support of the customers engineering team. This included Pump Reliability, failure history, together with statistics for Mean Time Between Failures and a criticality/vulnerability study.

The initial assessment convinced the customer to ask ERIKS to investigate risk mitigation through a spares strategy for their pump assets, which totalled 359 across the whole site.

ERIKS began by undertaking a detailed analysis of pump numbers, criticality, spares coverage and spares shortfall. The customer was unaware of the lack of spares for pumps with level 5 criticality, along with a number of other risks with their spares strategy. ERIKS was able to identify high-risk areas and rationalise their spares stock and spares strategy.

This included spares standardisation to optimise the number of spares required to be held in stock, and to reduce the cost of spares sourcing. It also involved proposing changing some pumps specifications to improve energy usage which also used the same spares list proposed.

The repair contract has been expanded to include catastrophic pump failure prevention, through the analysis of condition monitoring data, logging of potential issues and planning of scheduled intervention to minimise production disruption.

This allows ERIKS to act early when a repair or replacement of the pump is all that's required, rather than waiting for a catastrophic pump failure which may lead to damage to shafts, casings or other associated equipment and more importantly put people at risk.

## OTHER BENEFITS

- Average MTBF improved to over 1.5x industry target/best practice
- Cost reduction in spares
- Minimised unplanned downtime
- Improved health & safety
- Plant availability

## FURTHER COMMENTS...

By partnering with ERIKS, the customer was able to achieve an average MTBF of 90 months against an industry standard of 60 months.

## MORE INFORMATION

## ERIKS Industrial Services

Amber Way, Halesowen,  
West Midlands B62 8WG

Tel: 0845 006 6000

Web: [www.eriks.co.uk](http://www.eriks.co.uk)