



Summary



Industry:	Automotive
Application:	Motors
Actual Saving:	£100,000
Payback Period:	2 Years



ERIKS TCO Calculator reveals big savings

TCO Calculator reveals savings to automotive customer leading to replacement of current motors with WEG IE3 motors

ISSUE

A leading automotive component manufacturer wanted to address their energy usage as manufacturers are constantly being challenged to reduce energy costs and their carbon footprint.

At the customer's Belfast site the annual electricity bill is around £3 million. Electric motors account for approximately 70% of electricity usage and these were identified as one of the main focuses for a site wide energy efficiency initiative. As a major supplier to this customer ERIKS offered their assistance.

SOLUTION

ERIKS introduced their web based Total Cost of Ownership (TCO) Motor Calculator which provides a unique summary of the life time operational cost of any installed electric motor asset. The customer and ERIKS exchanged key information, agreed a competitive pricing policy and the Calculator was set up for internal use by all appropriate personnel.

Using the TCO Calculator for each motor, the customer was able to identify a comparison of annual running cost and tonnes of Co2, on both the existing motor and its potential IE3 replacement. This data was then used to provide a justification report for upgrading the asset.

The process for replacement includes a two week test with an energy meter to understand the actual energy usage of the existing motor. Once the new WEG IE3 motor has been installed the same test is undertaken to confirm that the information provided by the TCO Calculator is correct.

Currently the customer has replaced 15 of their motors with a new WEG IE3 equivalent. Capital payback has been achieved for all motors within two years. 30 more are due to be replaced during the coming months, which will complete phase one of the motor upgrade project.

The customer commented that, "All the stakeholders within our business are fully committed to this project. Our Senior Management, Purchasing Department, Maintenance Teams and Energy Engineer have embraced the work we have done. The ERIKS TCO Motor Calculator has provided robust and reliable information to enable our business to make the right energy saving decisions".

OTHER BENEFITS

- Reduced carbon footprint
- Qualifies for enhanced capital allowance

FURTHER COMMENTS...

"With over 100 hits to the secure website it is obvious that the customer has fully utilised the TCO Calculator which is delivering a real benefit. We have been more than happy to provide the ongoing local support from our Belfast Service Centre and are now working with them in reducing their motor running costs".

Jon Sansom
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MORE INFORMATION

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