

## The Complete Motors Solution

AC and DC, LV and HV, Repair and Replace

know-how makes the difference

**ERIKS**

# WHY CHOOSE ERIKS?

**Choosing ERIKS as your motor supplier means you still have choices. A choice of whether to repair or replace. A choice of whether to replace like with like, or upgrade for greater efficiency.**

ERIKS' repair or replace neutrality, backed by unrivalled motors' know-how and extensive resources, means you always get more than just a short-term fix. Instead, you get the most cost-effective, most efficient, long-term holistic solution, supported by hard figures from ERIKS' unique Total Cost of Ownership online calculator.

## Complete capabilities

- AC, DC
- HV, LV
- Repair, replace, upgrade
- On and off-site repairs
- Full installation service
- Broad product range
- The only approved repairer for Fenner
- TCO online calculator
- All open drive requirements



# WHAT MAKES ERIKS DIFFERENT?

**ERIKS motor solutions are different because they're based on a close look at the whole picture. Our experience and comprehensive expertise means we have the know-how to offer application and selection advice, and to go beyond the motor if required – even including asset management.**

We can conduct Root Cause Failure Mode analysis, and – if a problem is identified outside the motor itself – we can analyse and advise on the load the motor is handling, the bearing arrangement, and how to address these issues to avoid a repeat failure.

Our repair and replace capabilities also offer extensive advantages to ensure you get the best possible service and solution.

## Repair

- 24/7/365 emergency call-out service
- Most standard AC machines repaired within 24 hours
- To best practice standards (including AEMT and EASA)
- Controlled burn-out ovens
- Solvent-free varnish
- AC/DC/slip ring
- LV/HV
- Single phase/three-phase
- Up to 13.8kV
- On-site repair if possible (overhauls, bearing changes etc.)
- 12-month warranty

## Specialist motor repairs

- AC/DC servos
- Spindles
- Steppers
- Electronically-controlled

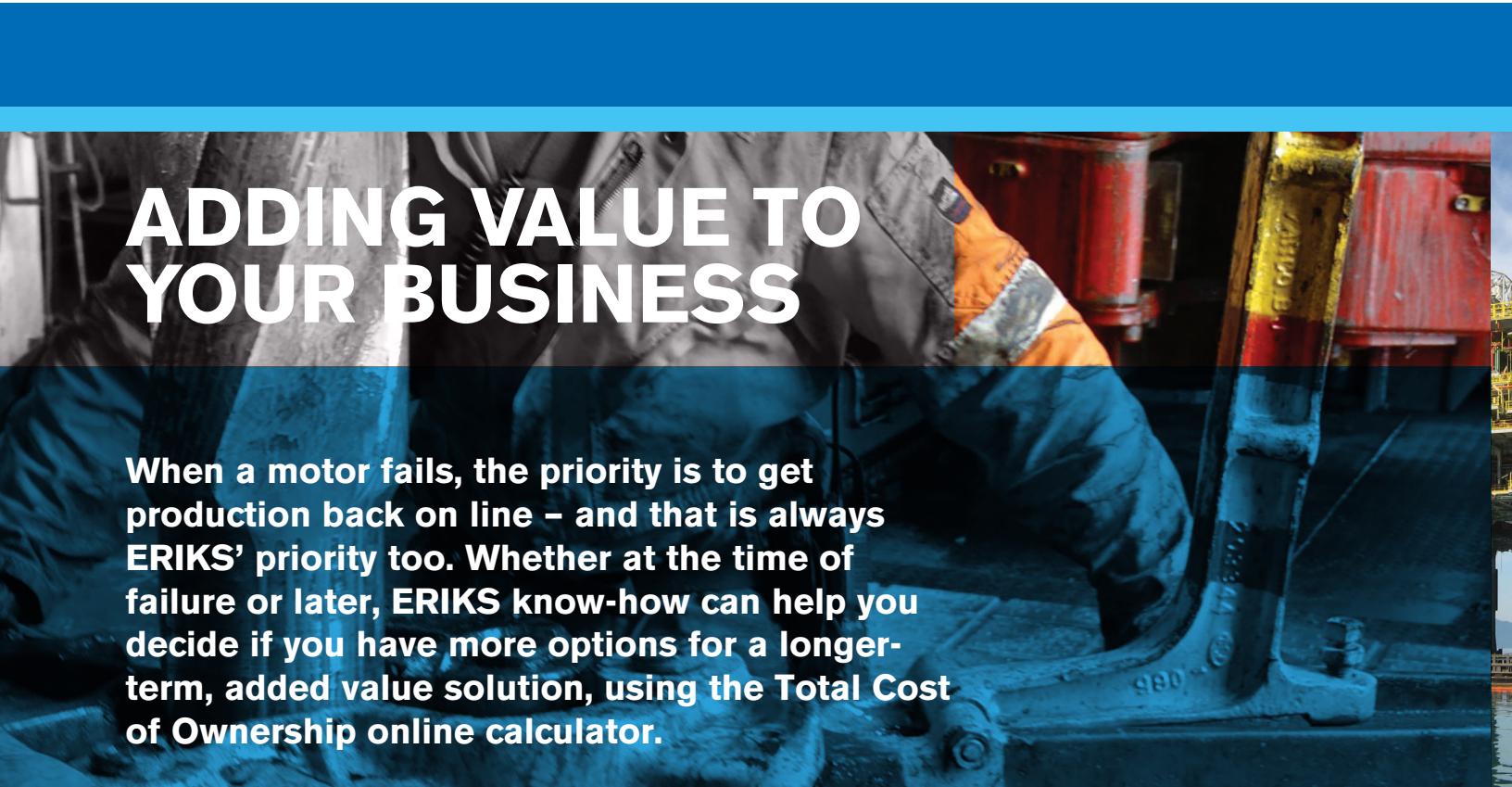
## Replace

- Any manufacturer's motor available
- Huge central stocks
- Large range of IE3 high-efficiency motors
- Next-day standard delivery
- Same-day courier service
- Workshops with stocking profile to suit local customer base – delivered within hours
- Full installation service – electrical, mechanical, laser alignment
- DC to AC conversions
- Inverter installations

## Accreditations

- BINDT Level II accredited engineers
- Qualified in vibration testing, thermography and laser alignment
- ATEX certified

# ADDING VALUE TO YOUR BUSINESS



**When a motor fails, the priority is to get production back on line – and that is always ERIKS' priority too. Whether at the time of failure or later, ERIKS know-how can help you decide if you have more options for a longer-term, added value solution, using the Total Cost of Ownership online calculator.**

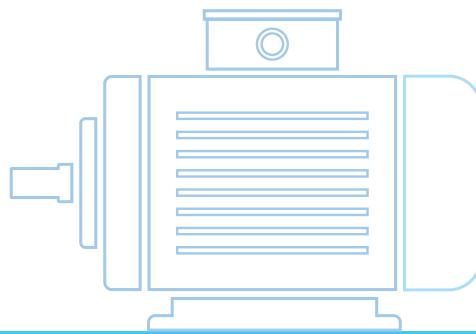


The calculator uses data about your current motor (Motor Power and Motor Speed, Annual Operation Hours, Load Percentage etc.), to calculate annual running cost, carbon footprint (tonnes of CO<sub>2</sub> tonnes/annum), and energy usage (kWh). It then extrapolates these figures – over any term from one year to twenty – to provide the costs of several different options. These are: repairing and continuing to run the existing motor; replacing it with a standard IE2 motor; replacing it with an energy-efficient IE3 motor.

As of January 2015, an IE2 motor can only be fitted with an inverter, so the calculator will also take this additional cost into account.

An even higher efficiency standard of IE4 (Super Premium Efficiency) has been defined, but is not yet included in legislation. Where, for example, an IE3 4-pole 7.5kW motor running at its rated load must achieve 90.4% efficiency, an equivalent IE4 motor will need to be 92.5% efficient. Some manufacturers are already designing motors to exceed IE4 standards.

The ERIKS Total Cost of Ownership calculator even takes into account the Enhanced Capital Allowance claim value and the end-of-life scrap value, to give you a set of figures to help you make a fully-informed repair, replace or upgrade decision.



## CHOOSE FROM THE MARKET LEADERS

**ERIKS offers a range of motors from Europe's market-leading manufacturers, with motors up to 250kW in stock for rapid service.**

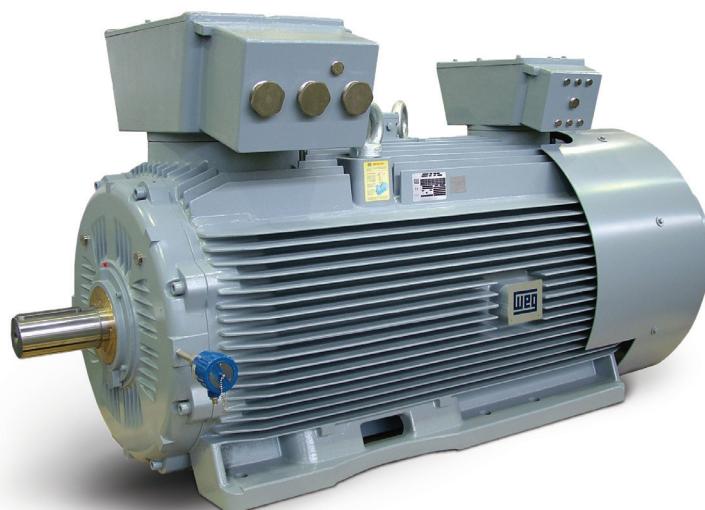
As well as being the largest distributor in the UK for WEG, Brook Crompton and Fenner, ERIKS can offer short lead times on ABB, VEM, Leroy Somer, Siemens and other leading brands.

In fact, ERIKS only ever recommend the right product and the right brand for your specific requirements – regardless of manufacturer – and offers in-house stock modifications if required.

### Why choose WEG?

As the largest WEG distributor in the UK, ERIKS holds extensive WEG stock and offers comprehensive support:

- Approximately £5m UK and 34m European mainland stock
- Technical and after-sales service support teams
- In-house stock modifications
- Online resources
- Market-leading R&D
- Global manufacturing locations





# ALL THE SERVICES AND FACILITIES



ERIKS has a network of 26 workshops nationwide, offering state-of-the-art repairs for all brands and types of electric motors. Work carried out by around 450 highly trained, skilled and certified engineers covers:

- Extraction
- Installation
- Commissioning (all aspects, both electrical and mechanical)
- Alignment
- Maintenance

Our engineers are available to work on-site or in the ERIKS workshops. In either case, they will operate as an extension of your own team, to achieve the most efficient working processes and most effective results.





# YOU NEED

## CASE STUDY

### Award and rewards

Helping British Gypsum Barrow to save tens of thousands of pounds and reduce their CO<sub>2</sub> emissions also helped ERIKS win a sustainability award from Saint-Gobain.

The proprietary Total Cost of Ownership Calculator enabled ERIKS to offer the company an energy use and CO<sub>2</sub> emissions comparison between repairing their existing motors, switching to IE2 motors or switching to IE3 versions.

Making the decision – based on the TCO data – to replace a 185kW motor – rather than repair it as they had been planning – helped British Gypsum Barrow to achieve a predicted cost saving of £41,000 over seven years, in addition to reducing their CO<sub>2</sub> emissions by approximately 40 tonnes over the same period.



## EMS Divisions

ERIKS offers a complete range of Electro-Mechanical Services. So you can benefit from the option to repair, replace, or upgrade – to increase your productivity and your cost-efficiency – across any or all of:

- **Gearboxes**
- **Condition Monitoring**
- **Pumps**
- **Electronics**
- **Motors**

**Call 0845 006 6000**  
**[www.eriks.co.uk](http://www.eriks.co.uk)**



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