

ERIKS

Putting the Service into

Engineering Services



When more is less

By offering you more experience, more expertise and more support, ERIKS gives you less to worry about. Our three-fold approach to Engineering Services helps you to get the most out of your motors, gearboxes and pumps.

- Being smart, we apply our expertise to your engineering issues, in the most intelligent and effective way.
- Being close, we work with you to be sure we understand your problems – then we take care of them.
- Being hands-on, we make sure we get the job done when you want it: now.



Prepare to repair

The only thing worse than a failed asset is an unexpected failed asset.

ERIKS VibraConnect remote asset monitoring gives you insight into the condition of your assets, so you can have the foresight to resolve issues when it suits you, with minimum disruption and minimum downtime.

Service your way

ERIKS' expertise gives you more options.

We have the know-how and resources to repair, replace or upgrade your motors, gearboxes and pumps. So we don't force you to choose. We help you to make an informed decision.

Repaired the right way

If it's a repair you need, with ERIKS it doesn't matter where you need it. We have a nationwide network staffed by time-served engineers:

- Trained to industry standards
- Accredited and authorised by leading manufacturers
- Fully versed in health and safety
- Working to the same structured and proven ERIKS procedures, across all our sites

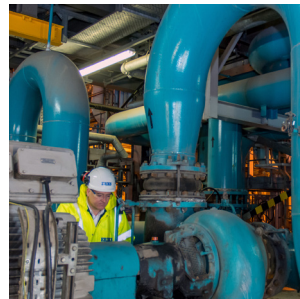
And our ongoing apprenticeship programme ensures that ERIKS quality and service is secured for you for the future.

Quality guaranteed

Our engineering skill and know-how ensure every repair is completed to the highest quality.

We test every single repair at predefined stages in the process to be certain its right in every aspect, every time! You can even come and witness testing as part of your quality procedures!

Wherever possible, we repair back to 'as new' and in many cases, to even better than new.



How we make industry work better

Any motor, gearbox or pump is only part of the bigger picture. And that bigger picture is production, productivity – and profit.

So, we don't focus only on making your assets work. We take a wider view to make them, and industry, work better.

Here's how.

Your asset, your choice

Our expert engineers will carry out a comprehensive on-site inspection to assess and report on the asset's condition.

You will then have all the information you need to decide whether to repair, replace or upgrade.

Our network, at your service

We have a nationwide network of workshops operating to the same fully documented procedures and ISO standards.

So your asset will always receive the same expert attention and quality repair, wherever you are. And more workshops mean less waiting.

Specialist facilities

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Repair, don't repeat

Recurring electro-mechanical problems can cause repeat failures.

If you would rather invest in a solution than spend on a repair, you can use our expertise to provide Root Cause Failure Analysis to help eliminate bad actors once and for all.

Predict, pinpoint, prepare

Being aware of impending failures can save unplanned downtime, lost production, and wasted money.

ERIKS VibraConnect Online Vibration Monitoring collects and analyses machine vibration and temperature data.

Combined with ERIKS' experience and know-how, this gives you insights into the current and likely future condition of your motors, pumps, gearboxes and fans.

So you can plan maintenance, prevent breakdowns, and optimize production.

Making the world work better

Environmental responsibility is a key consideration for every industry. ERIKS Engineering Services' solutions always take into account the need to:

- Reduce emissions
- Minimise waste
- Optimise energy efficiency
- Maximise sustainability
- Meet your CSR goals and KPIs



AC & DC Motors

Motors power profitability. Accounting for up to 65% of a site's electricity use, optimising their energy efficiency can have a significant impact on your bottom line.

ERIKS Engineering Services has the expertise, experience and resources to repair, refurbish and maintain any electric motor. So you can keep them running more reliably and more efficiently for longer.

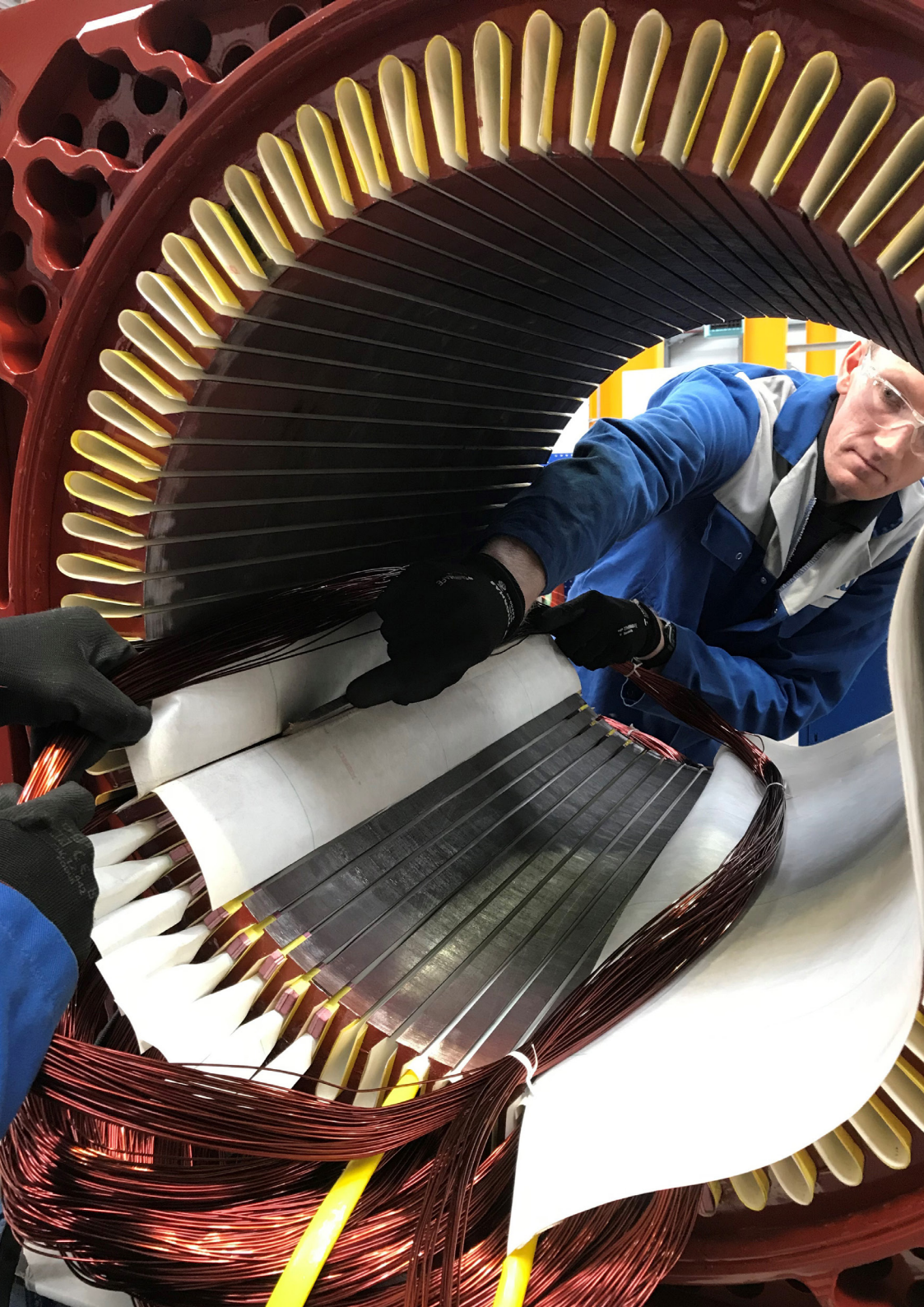
Root Cause Failure Analysis can also help to eliminate and avoid problems (such as misalignment or bearing failure), to minimise downtime and reduce repair costs.



Facilities and Resources

- Fully equipped workshops with specialist equipment for quality repairs and rewinds
- In-house machining for reverse engineering of parts and general machining
- Comprehensive testing throughout the repair process and after final assembly
- In-house machining for commutator skimming and under cutting [DC Motors]
- Commutator and Slip-ring repair and manufacturing facility [DC Motors]
- Experienced electrical and mechanical engineers and active Apprentice Scheme to future proof and enhance or service
- Dynamic balancing machines
- Certified to the following management systems, ISO9001 and ISO45001
- ERIKS own transport for collection and delivery
- AEMT & EASA membership





AC & DC Motors

Capabilities

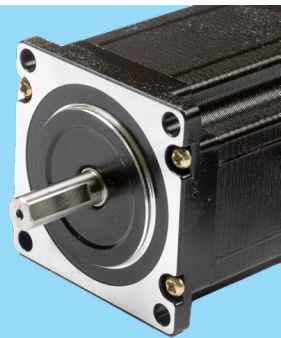
- High-quality overhauls and rewinds
- Technical support and advice
- On-site inspections of brush gear and brushes (DC Motors)
- Photographic inspection reports
- Root cause failure investigation
- Removal, refit and laser alignment services
- In-situ inspection and testing of motors
- Unbiased repair/replace advice
- Full static and run tests
- Authorised repair centre for many OEM's
- ATEX motor repairs

Servo Motors

Backed by an experienced team of engineers, ERIKS offers a specialist servo motor repair service out of our Regional Hub in Haydock.

Our capabilities include:

- Purpose built servo motors/repair cell
- Full fault assessment and overhaul/ rewind capabilities
- Motors stripped, test and aligned
- Spindle motors, water cooled generators, AC/DC servo motors, resolver servo motors
- Encoders including SRS, ERN and EQN



HV Motors and Coils

Solving HV Motor problems effectively starts with identifying the problems accurately.

We analyse your motor using the latest technology, to make it quicker and easier to find the real issues and provide the right solutions.

Then we repair to ISO9001:2015 standards, for guaranteed quality and service life.

ERIKS' resources include transport up to 10 tons, and dynamic balancing upto 15 tons (min G6.3, target G2.5).



Facilities and Resources

- Fully equipped workshop with specialist equipment for quality repairs and rewinds
- In-house machining for reverse engineering of parts, slip ring slimming and general machining
- Vacuum Pressure Impregnation (VPI) tank
- Dynamic balancing
- Comprehensive testing throughout the repair process and after final assembly
- Diamond, hairpin and traction coil manufacture up to 12.8kV
- Class F, Class H, resin rich, VPI and hybrid installation systems
- Experienced electrical and mechanical engineers and active Apprentice Scheme to future proof and enhance or service
- Dynamic balancing machines
- Certified to the following management systems, ISO9001 and ISO45001
- ERIKS own transport for collection and delivery
- AEMT & EASA membership

Test Area

- Partial discharge
- Tan delta
- Insulation resistance
- Polarisation index
- Surge testing
- IMCA broke rotor bar

HV Motors and Coils

Capabilities

- High-quality overhauls and rewinds
- Technical support and advice
- In-situ inspection and testing of motors
- On-site offline partial discharge testing and tan delta testing of 6.6 and 11kV motors
- Photographic inspection reports
- Root cause failure investigation
- Unbiased repair/replace advice
- Full static and run tests
- Authorised repair centre for many OEM's
- ATEX motor repairs



Commutators and Slip Rings

ERIKS commutator and slip ring service team is on hand to remove, repair, and re-install as standard, but can if necessary manufacture a special or redesign your existing commutator to overcome recurring problems.

Our capabilities include:

- Commutator repair and replacement service
- Commutator manufacturing up to 1000mm diameter
- All types of AC Slip Rings up to 700mm in diameter
- Made to original drawings, samples or re-designs



Gearboxes

Repair or replace? Scheduled or emergency?

Whatever the gearbox problem, we have the most effective solution.

All units are stripped and inspected first of all to ascertain what work is undertaken required.

If a repair is judged uneconomical, we will offer you a replacement drive or an alternative selection to get you back up and running as soon as possible.



Facilities and Resources

- Fully equipped dedicated gearbox repair and test centre
- Smaller regional repair centres for even faster response
- Large scale-overhead craneage
- Ability to reverse engineer and manufacture difficult to source parts
- Experienced mechanical engineers and active Apprentice Scheme to future proof and enhance or service
- Certified to the following management systems, ISO9001 and ISO45001
- Comprehensive warranty
- AEMT membership



Gearboxes

Capabilities

- Comprehensive maintenance and support service
- Assessment, rebuilding and testing
- Root cause failure investigation
- Obsolete and non-standard spares manufacture
- Unbiased repair/replace advice
- Comprehensive warranty
- Repair centre for many major suppliers
- SKF authorised gearbox partner



VibraConnect, online, monitoring

By including Online Vibration Monitoring in your maintenance strategy, you can remotely monitor the condition of your assets around the clock.

You gain insight into how your processes affect the machine's condition and it helps identify important factors, e.g. what maintenance is required, how quickly a measure needs to be carried out and how well a measure has been completed.

- State-of-the art IOT technology
- World class reliability engineering algorithms
- Simple alarms with easy to follow recommendations
- Gain foresight to plan ahead

Pumps

All pumps are not the same. From water abstraction to food and beverage settings environments, and from wastewater treatment to highly specialist applications.

All of these applications they demand different specifications, different capabilities, and different repair and maintenance expertise strategies.

ERIKS offers not only the most effective solutions for every situation, but also know-how that goes beyond the pump alone – to sealing technology, drives and more – for a comprehensive solution to all your pumping issues.



Facilities and Resources

- Fully equipped workshops with specialist equipment for quality repairs and rewinds across the UK
- In-house machining for reverse engineering of parts and general machining
- Comprehensive testing throughout the repair process and after final assembly
- Experienced mechanical engineers and active Apprentice Scheme to future proof and enhance or service
- Certified to the following management systems, ISO9001 and ISO45001
- ERIKS own transport for collection and delivery
- Pump centre membership





Pumps

Capabilities

- Maintenance, overhaul, uprating, repair
- Technical support and advice
- Site maintenance and shutdowns
- In-situ inspection of pumps
- Comprehensive photographic inspection reports
- Root cause failure investigation
- Fault diagnostics
- Unbiased repair/replace advice
- Pump energy audits
- Obsolescence support
- Authorised repair centre for many OEM's
- ATEX repairs

Adding Value: Pump Audits

ERIKS' pump audits, data logging and condition monitoring services will reveal a wide range of information about your pumps, including:

- Their energy efficiency
- Their actual performance
- The efficiency of the complete hydraulic system

With these facts and figures to hand, we can work with you to determine whether you should continue to support your existing plant – even through obsolescence – or carry out replacements.

We will calculate Whole Life Costs and provide payback analysis, giving you factual evidence on which you can base your final decision.

Valves & Actuators

Standard, specialist or customised, our valve and actuation solutions will meet all of your needs.

Replacement or repair? Emergency or planned?

We have the best solutions for any challenge you may be experiencing. From a single stocked item to a specially built or modified complete system, we have the supplies and the know-how to help you get the job done.



Facilities and Resources

- Fully equipped dedicated valve workshop
- Comprehensive testing throughout the repair process and after final assembly
- Experienced mechanical engineers and active Apprentice Scheme to future proof and enhance or service
- Valve and actuation automation cell
- 4 Hydratron valve testing rigs
- Armoured testing enclosure with remote CCTV monitoring
- Dedicated hygiene-controlled workshop environment
- Full NDT testing
- Certified to the following management systems, ISO9001, ISO14001 and ISO45001
- Lloyds approved

Capabilities

- Complete valve repair and refurbishment capability - gate, ball, globe & check valves from ¼ inch to 24 inch valve sizes
- Actuator repair and refurbishment
- Actuator function testing
- Bidirectional seat tests
- Valve body tests
- PRV/SRV valve testing
- Onsite testing from 7 bar to 1000 bar (HP gas and hydro pressure testing)
- Comprehensive computer generated reports
- Root cause failure investigation
- Fault diagnostics
- Full test certification
- Technical support and advice
- Unbiased repair/replace advice
- Obsolescence support
- Asset management support
- Authorised repair centre for many OEM's

Dedicated Workshops Nationwide

ERIKS offers all the products, all the service and all the support – all over the country.

Providing additional specific engineering capabilities, for our core range of repairs including motors, pumps and gearboxes.

In addition our specialist engineering service centres include HV motors repairs, coils, commutators valve repairs etc., and are supported by specialist application engineers.



 Fulfilment Centre of Expertise/HQ

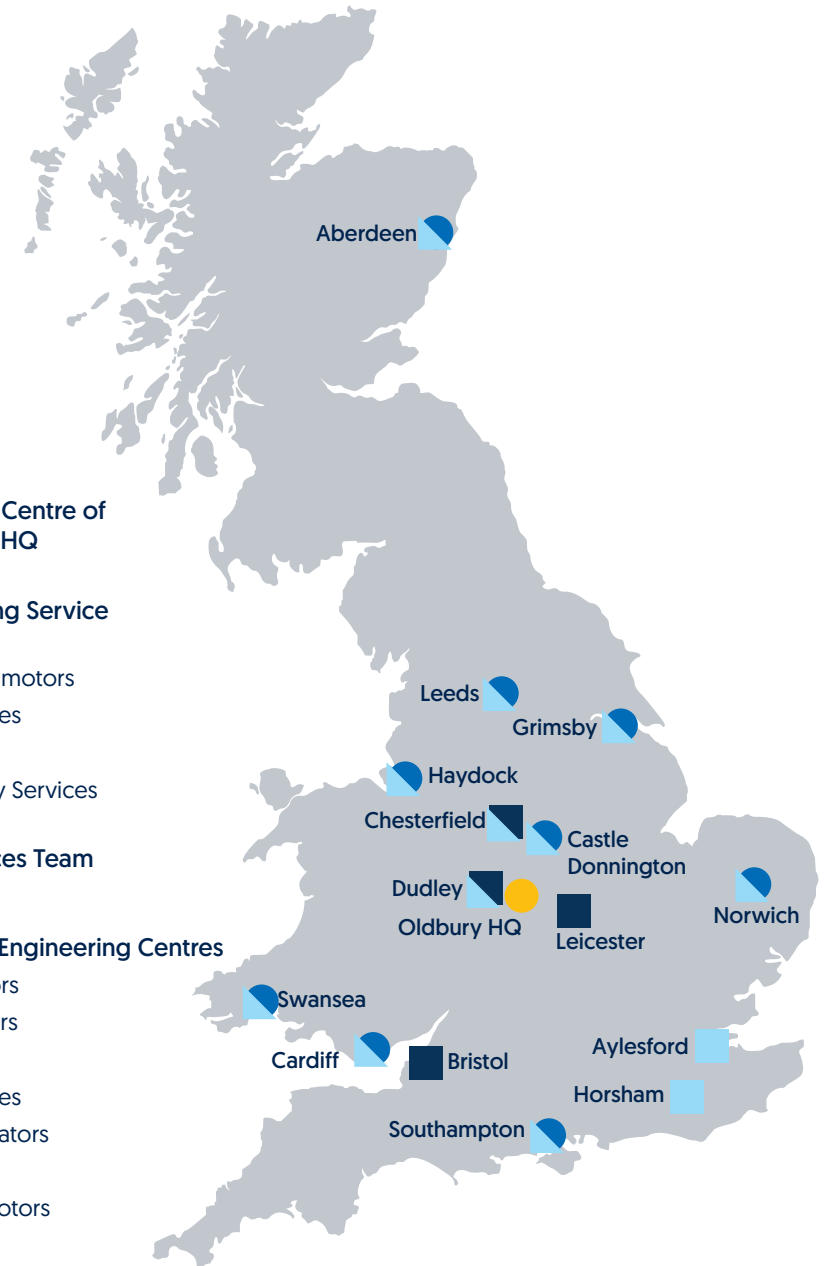
 Engineering Service Centres

- AC & DC motors
- Gearboxes
- Pumps
- Reliability Services

 Site Services Team

 Specialist Engineering Centres

- HV motors
- DC motors
- Coils
- Gearboxes
- Commutators
- Valves
- Servo motors





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