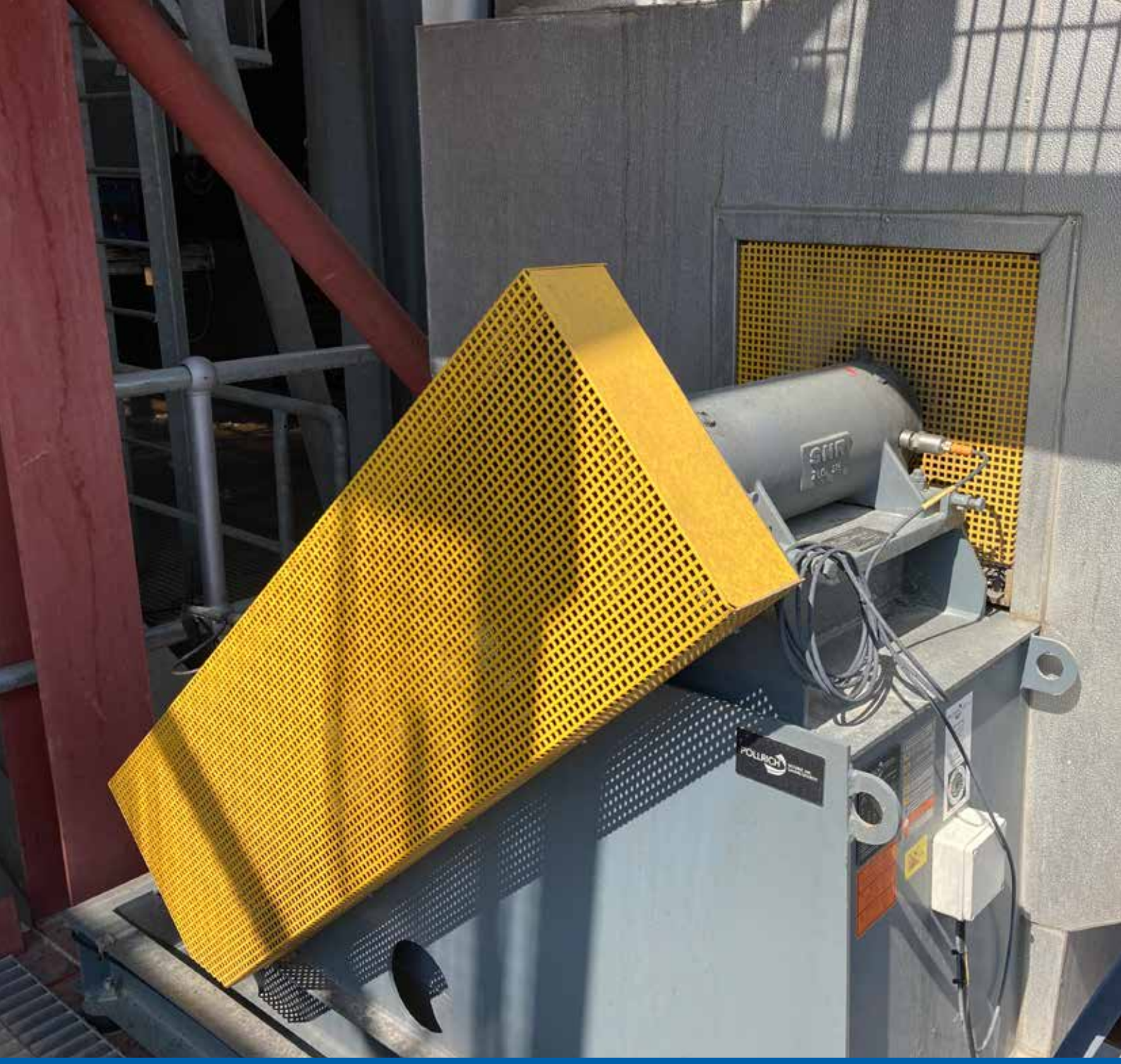


Total Fan Solutions

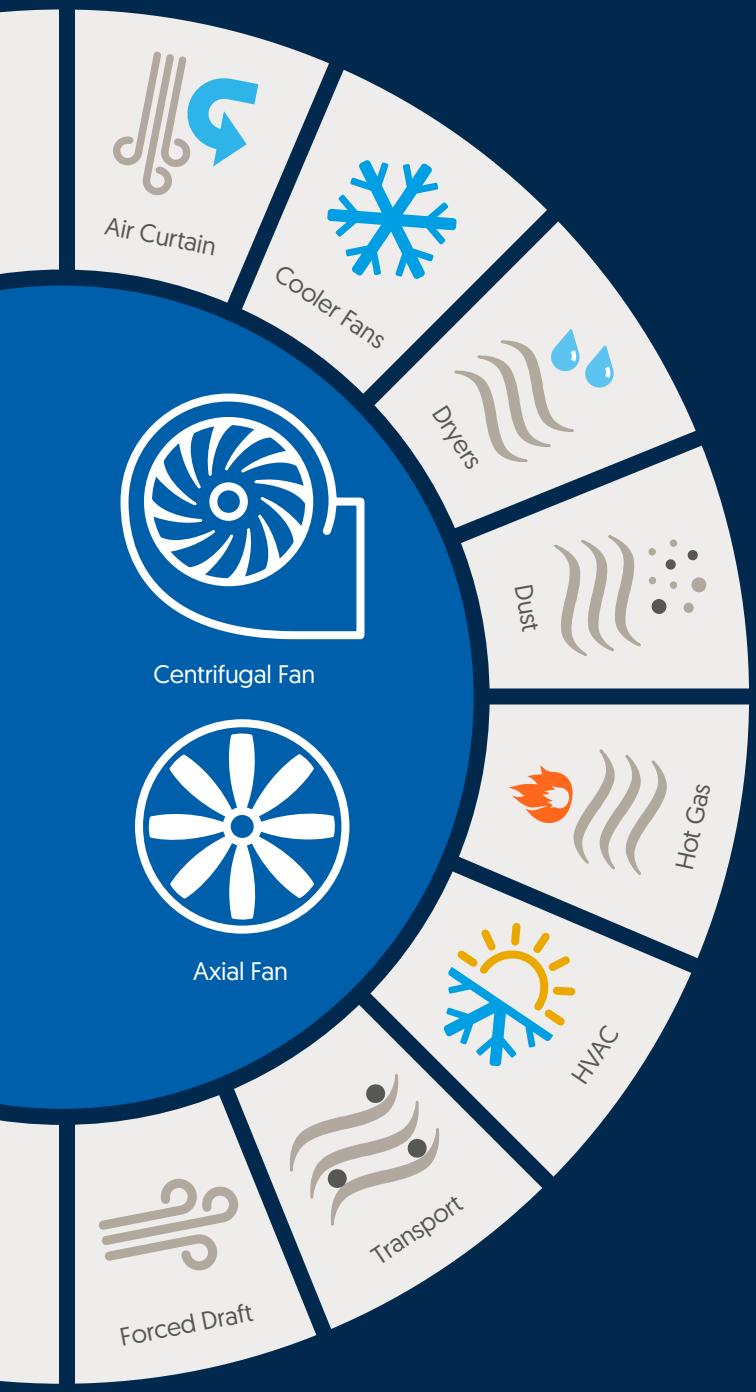
Supply, Support & Sustain

ERIKS

Let’s make industry work better

ERIKS Solutions:
Optimising your Assets

With expert advice, the latest technology, and the most effective maintenance regime, ERIKS Fan Services can help you increase the efficiency, reduce the energy use and minimise the costs involved in operating many of your assets.



Reliability

A more reliable fan system not only means less unscheduled downtime for repairs, but also longer maintenance intervals, leading to less scheduled downtime too. A more reliable fan can also work harder – increasing the throughput of air for your application. And it will operate for longer, helping to reduce your Total Cost of Ownership.

Efficiency

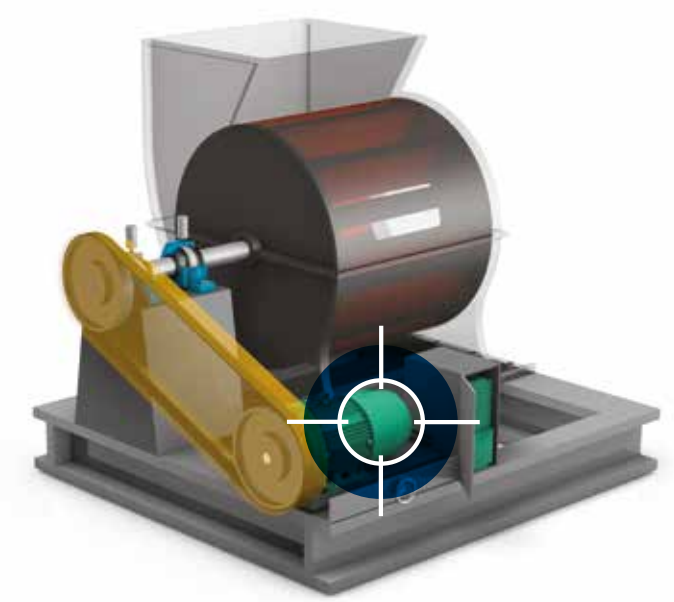
Greater efficiency leads to lower energy use. And since energy costs hugely outweigh the initial purchase cost of a fan, the resulting savings can be significant – especially when your asset operates 24/7. Efficiency gains can be realised through upgrading to the latest high-efficiency equipment, which not only has fewer losses, but can also maintain your required throughput with a lower operating speed.

Maintenance

The latest asset designs are engineered to enable safer, quicker maintenance using less equipment. This not only minimises downtime – so productivity is less affected – but also reduces costs. Some regular maintenance tasks such as greasing can even be automated, so that maintenance inspections can be less frequent.

SKF Fenner® Reliable | Trusted | Connected weg

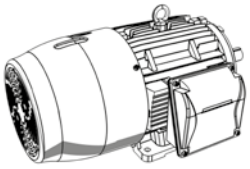
Drives



You have legal energy-efficiency obligations to meet, but with the right advice and information you could save even more.

Will you save more energy costs by simply meeting your legal obligations with an IE3 motor, or should you invest in a next-generation, higher-efficiency IE4 & IE5 motor? ERIKS can calculate payback periods to help you decide. Our engineers can also offer expert advice on adapting your drive system for greater energy efficiency, with central or asset-based inverter control.

Upgrades:
Correct Specification and Installation

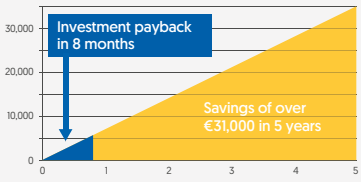


Click/scan to view the ERIKS Total Cost of Ownership Calculator

Fenner® Variable speed drives

Fenner® QD Series variable speed drives (inverters) allow speed adjustment of industrial motors - used in variable demand applications - to achieve reduced RFI emissions and optimised energy usage throughout the operating cycle, resulting in lower energy use and operating costs.

Instant savings: A reduction of motor speed by 20% can result in cost savings of up to 50% .



WEG IE3/IE4 Motors

WEG IE3, IE4 & IE5 Motors are next generation high efficiency prime movers used in fixed speed and or high efficiency applications.

The optimised design and materials meet the latest EU legal requirements and ensure optimum drive efficiency resulting in lower energy use and operating costs.

Fenner® IP55 and IP66 Variable Speed Drives

Fenner® QD Series IP55 and IP66 variable speed drives are self-contained and protected, for use where the inverter must be mounted locally to the asset.

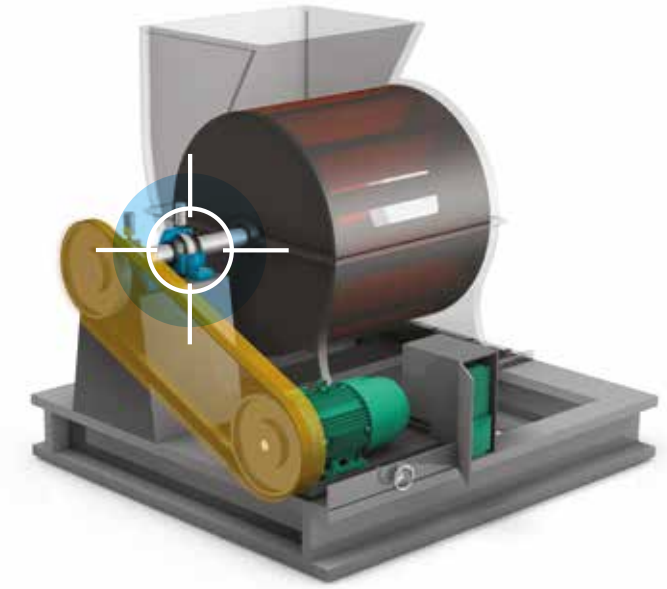
Providing a level of protection from the surrounding environment and enabling a cheaper and more economical installation or retro-fit compared to a cabinet mounted unit resulting in lower installation and replacement costs.

WEG ATEX Motors

WEG IE3, IE4 and IE5 hazardous area motors are prime movers designed to be safe for use in explosive environments.

Constructed to ensure any sparking or flames are contained within their structure reducing risk and ensuring personal and operational safety resulting in lower exposure to unplanned downtime.

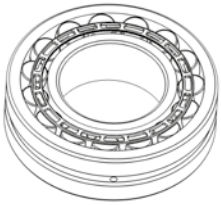
Bearings & Reliability



You have legal energy-efficiency obligations to meet, but with the right advice and information you could save even more.

Are your bearings optimised for your specific application? Do they take advantage of major advances in bearing technology over the last decade? If not, then you could almost certainly realise reliability improvements to reduce maintenance, minimise downtime, and cut your total cost of ownership.

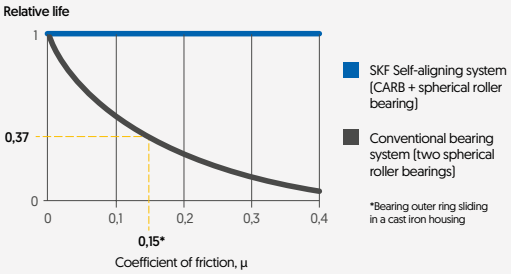
Upgrades:
High Quality Manufacture



SKF CARB

SKF CARB toroidal roller bearings are used in the floating (free) bearing position and accommodate axial displacement within the bearing itself leading to reduced heat generation and even load distribution resulting in extended bearing life.

Boosting bearings system life:



SKF Explorer Class Bearings

SKF self-aligning roller bearings are effective even with high levels of contamination or poor lubrication, by extending the time from initial failure through to fracture, allowing more time to detect, plan and order parts.

Lasting approximately twice as long as their predecessor in challenging operating conditions, resulting in extended bearing life and lower exposure to unplanned downtime.

SNL Housings & TXL Seals

Using SKF SNL bearing housings and TXL seals in an industrial fan application offers several benefits.

These include extended service life due to enhanced bearing protection and optimized heat transfer, as well as reduced maintenance costs and longer relubrication intervals. Additionally, the improved reliability comes from effective sealing against contaminants and water. The ease of installation allows for simple mounting and dismounting, and the energy efficiency is achieved through low friction and reduced energy consumption.

These features ensure reliable and efficient operation in demanding environments.

IMX-1 Wireless Sensor

SKF IMX-1 wireless sensors include increased monitoring frequency from months to days or hours, making automated data collection easier and more affordable. The sensors provide data from inaccessible locations, enabling quick and scalable deployment.

They help reduce unplanned downtime by identifying and resolving issues before they lead to costly failures.

Additionally, the sensors offer reliable vibration and temperature monitoring, ensuring efficient and continuous operation.

IMx-8 Online System

SKF Multilog IMx-8 devices offer early fault detection, improving reliability and performance of rotating equipment. They feature 8 analog and 2 digital channels, with mobile and network connectivity for easy monitoring. IMx-8 data aids proactive maintenance, reducing downtime and costs.

They integrate with SKF Cloud for expert diagnostics and can be DIN rail mounted or housed in IP65 cabinets.

By using an IMx-8 online system, users of industrial fans reduce unplanned downtime and maintenance costs and simplify monitoring processes.

SKF TLDD Connected Automatic Lubricator

SKF TLDD connected automatic lubricators increase workplace safety by reducing the need for manual lubrication checks, and enhanced reliability through consistent and precise lubrication.

The system allows for remote monitoring and control via a web interface, ensuring timely maintenance and reducing downtime. Additionally, it optimizes lubrication schedules, leading to lower maintenance costs and improved machine performance.

These features contribute to efficient and reliable operation in demanding environments.

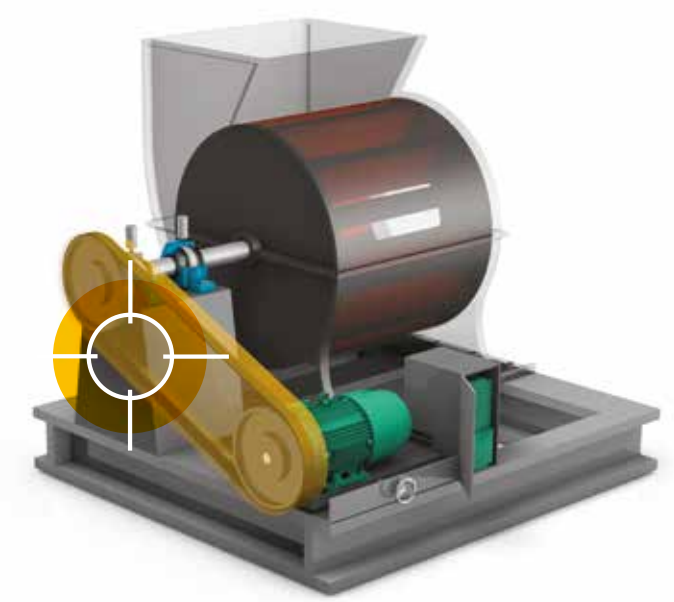
SKF Cooper Split Bearings

SKF COOPER split bearings reduce maintenance and repair downtime, as the split design allows for easy installation and removal without dismounting associated equipment.

The bearings are ideal for tight, inaccessible locations, enhancing operational efficiency. Additionally, they provide high load-carrying capacity and improved reliability, ensuring continuous and efficient operation.

These features contribute to lower maintenance costs and increased uptime in demanding environments.

Power Transmission



Maintain efficiency to reduce your energy costs, and improve reliability to reduce your Total Cost of Ownership (TCO).

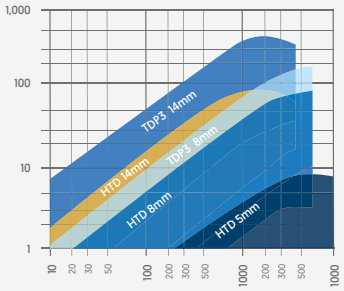
Installing a lower-cost but less robust power transmission system may show short-term financial gains, but its operating efficiency will rapidly deteriorate. However, a more robust, more reliable system which continually performs at its optimum will deliver reduced energy costs throughout its life. ERIKS can help you obtain the greatest reliability and efficiency gains, for the lowest energy costs.

Upgrades:
Drive Design and Maintenance

Fenner® Torque Drive PLUS 3

Fenner® Torque Drive PLUS 3 high torque drive (HTD) synchronous belts are used where optimum efficiency is essential by ensuring no speed loss (slip) in the belt drive. Low maintenance and extreme efficiency (98% vs 95% for a wedge belt) resulting in lower operating costs.

Extend operating life with synchronous:



Fenner® Couplings

Fenner® shaft couplings link drive and impeller shafts on direct drive fans allowing separation of the drive line for maintenance while absorbing shock loads and vibration during operation resulting in lower operating costs.

Fenner® Quattro PLUS

Fenner® Quattro PLUS advanced Cogged Raw Edge (CRE) wedge belts are used when reliable, quiet running is essential.

By transmitting more power than a conventional CRE belt, a reduction in the number of belts and/or an increased life is achievable resulting in extended belt and pulley life.

Fenner® Laser Alignment Tool

Fenner® Drive Alignment Laser is a simple pulley and sprocket alignment aid to ensure correct installation of chain and belt arrangements to maximise drive efficiency and service life.

It improves reliability and reduces energy consumption resulting in lower operating costs and lower exposure to unplanned downtime.

Total Fan Solutions: **Maintenance Optimisation**

Reliability Engineering

Keep Your Fans Running at Their Best – for Longer

Fans are vital to your operation, but like all rotating equipment, they're prone to wear and failure. Downtime doesn't just disrupt production – it impacts efficiency, safety and costs. ERIKS Reliability Engineering helps you avoid unplanned failures by identifying early warning signs and enabling proactive maintenance to keep your fans running smoothly, for longer.

Our service is available in three tiers. The Standard tier is a simple, entry-level solution using SKF sensors.

Ideal for basic condition monitoring needs, it offers self-installation and app-based alerts, with data collected every 1 to 4 hours – perfect for businesses not requiring integration with our Smart Asset Management (SAM) platform.

For enhanced insight, the Advanced and Professional tiers include Online Vibration Monitoring, Temperature Monitoring, and access to our SAM platform. This enables deeper analysis of both real-time and historical data, helping to spot trends and plan maintenance before problems arise.

Additional Services

Fan Balancing

An out-of-balance fan will lead to excessive vibration, which causes noise at best, and damage and premature, unpredictable failure at the worst. ERIKS ElectroMechanical Services division can expertly balance your fan and shaft on site before the worst happens.

Repair and Overhaul

Whether your asset needs a specific repair or a general overhaul, ERIKS ElectroMechanical Services division can help – from decommissioning to removal and refit. Our range of competences is wide, and includes electric motors, and bearing fitting and aligning. So contact us with details of your asset and problem.

Shaft Repairs

A worn or damaged shaft needs quick attention as it can lead to potentially catastrophic asset failure. Depending on the extent of the work required, our engineers can carry out repairs on or off-site.

Asset Management

From motor management contracts to condition monitoring of the complete drive system, ERIKS Fan Services can put together a bespoke service to monitor, service and repair your assets, to keep them performing at their optimum.

ERIKS is the first-ever accredited SKF Maintenance Partner in the UK & Ireland

This new partnership recognises our ability to deliver expert support and services beyond supply, helping customers improve reliability, reduce downtime and get more from their assets.

SKF AUTHORISED DISTRIBUTOR Maintenance Partner

Additional Products

- Shaft couplings (direct drive)
- Insulated bearings
- Lubricants, lubricators and lubrication systems
- Industrial cleaners
- Sensors and basic machine condition indicators
- Maintenance and bearing fitting tools
- Anti vibration mounts
- Machine shims
- Filters, bag and panel
- Personal Protection Equipment

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