



# The Complete Pumps Solution

Audit, Design, Supply, Install, Maintain, Repair and Replace

know-how makes the difference

**ERIKS**

# WHY CHOOSE ERIKS?

**ERIKS Pump Services is a comprehensive and cost-effective solution to all your pump requirements, whatever the application. From abstraction, through the production process, to the final discharge, we offer a complete service to take care of every aspect.**

Of course, a complete service is not only about the supply, installation, maintenance and repair of the pumps themselves. It's also about ancillary equipment, such as drives and controls, sealing, hose and valve technology.

And it's about looking far beyond the pump at your entire process, to identify energy efficiencies or water usage reductions, designing systems to achieve them, and providing the components to build them.

## Complete capabilities:

- Design
- New supply
- Spares
- Installation
- Maintenance
- Repair
- Reverse engineering
- Pump and system energy audits







# WHAT MAKES ERIKS DIFFERENT?

**ERIKS Pump Services is different because we're impartial – in more ways than one.**

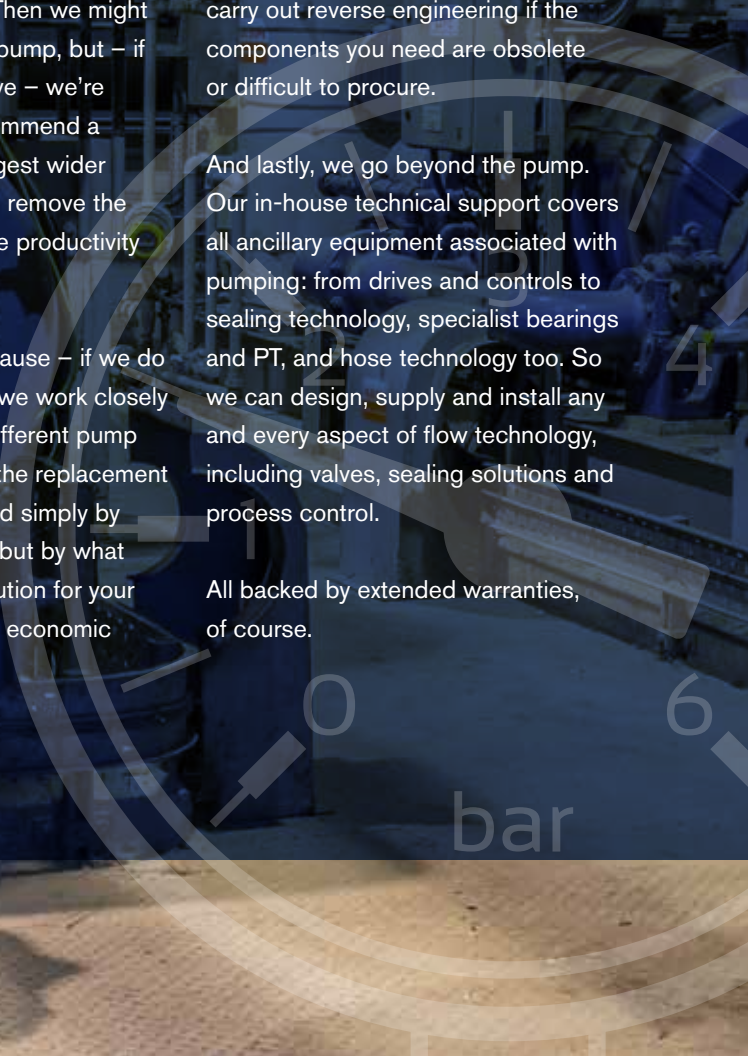
We're impartial because we don't decide the solution before we've assessed the problem. Then we might propose a replacement pump, but – if it would be more effective – we're impartial enough to recommend a repair. Or we might suggest wider system improvements to remove the root cause or to enhance productivity or reliability.

We're also impartial because – if we do propose a new pump – we work closely with no fewer than 20 different pump partners. Which means the replacement we offer won't be defined simply by what we have available, but by what is the right technical solution for your application and the right economic choice for your budget.

If, on the other hand, we suggest a repair, we also have the expertise to carry out reverse engineering if the components you need are obsolete or difficult to procure.

And lastly, we go beyond the pump. Our in-house technical support covers all ancillary equipment associated with pumping: from drives and controls to sealing technology, specialist bearings and PT, and hose technology too. So we can design, supply and install any and every aspect of flow technology, including valves, sealing solutions and process control.

All backed by extended warranties, of course.





# ADDING VALUE TO YOUR BUSINESS

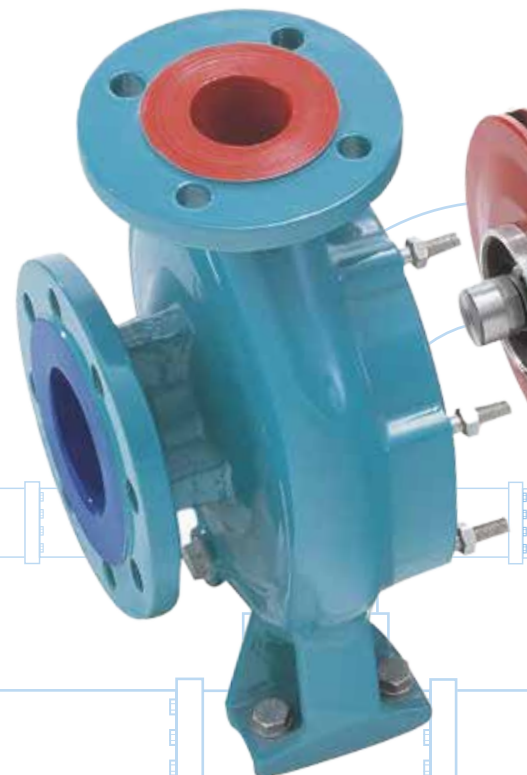
A failed pump is obviously a problem – and one that's easy to identify. But a failing pump – or an inefficient pump – is not so easy to spot. Yet in the long-term it could have almost as great an effect on your productivity and your costs.



## CHOOSE FROM THE MARKET LEADERS

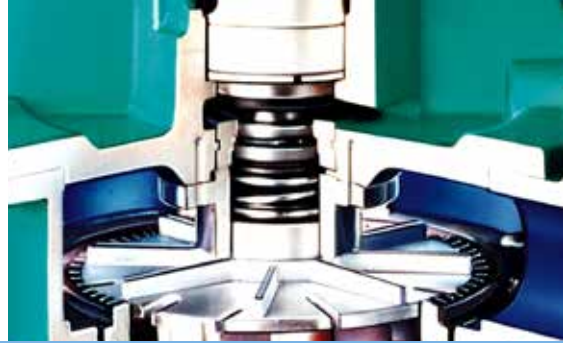
**ERIKS Pump Services offers a range of pumps covering all of the configurations and applications you could need.**

A broad range of pump industry experience enables us to put forward solutions on the basis of impartiality and fitness for purpose. We are not constrained by the limitations or range of products. Our focus is clearly aimed at increasing Efficiency, Reliability, Durability, Ease of Maintenance and product support while reducing operating costs.



### Pump partners

- |              |               |            |           |
|--------------|---------------|------------|-----------|
| ■ ARO        | ■ Gorman-Rupp | ■ Mono NOV | ■ Wanner  |
| ■ Alfa Laval | ■ Grundfos    | ■ Munsch   | ■ Wallwin |
| ■ Allweiler  | ■ Hilge       | ■ Seepex   | ■ Xylem   |
| ■ Cornell    | ■ KSB         | ■ SPP      | Lowara    |
| ■ Flux       | ■ Milton Roy  | ■ Tuthill  | Flygt     |
|              |               |            | Jabsco    |



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

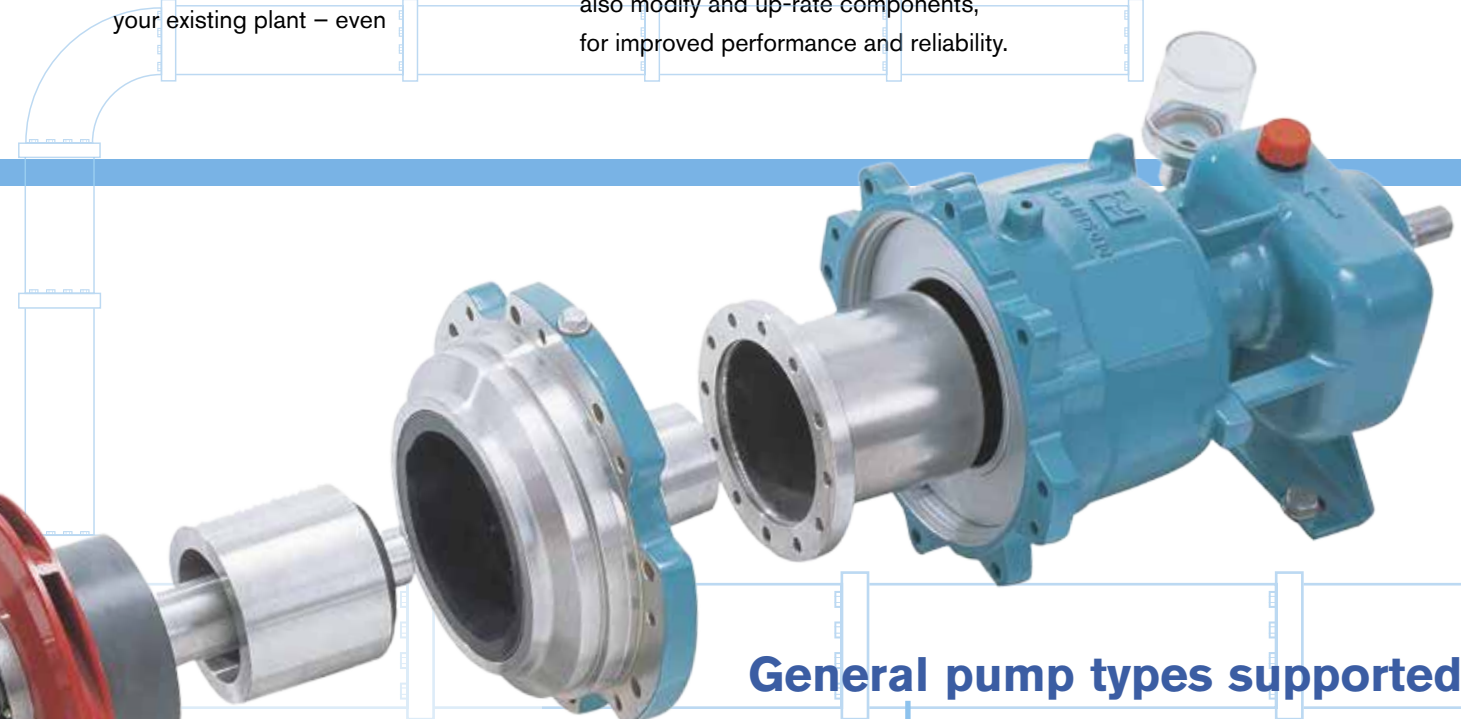
- Their energy efficiency
- Their actual performance
- The efficiency of the complete hydraulic system

With these facts and figures to hand, we can work with you to determine whether you should continue to support your existing plant – even

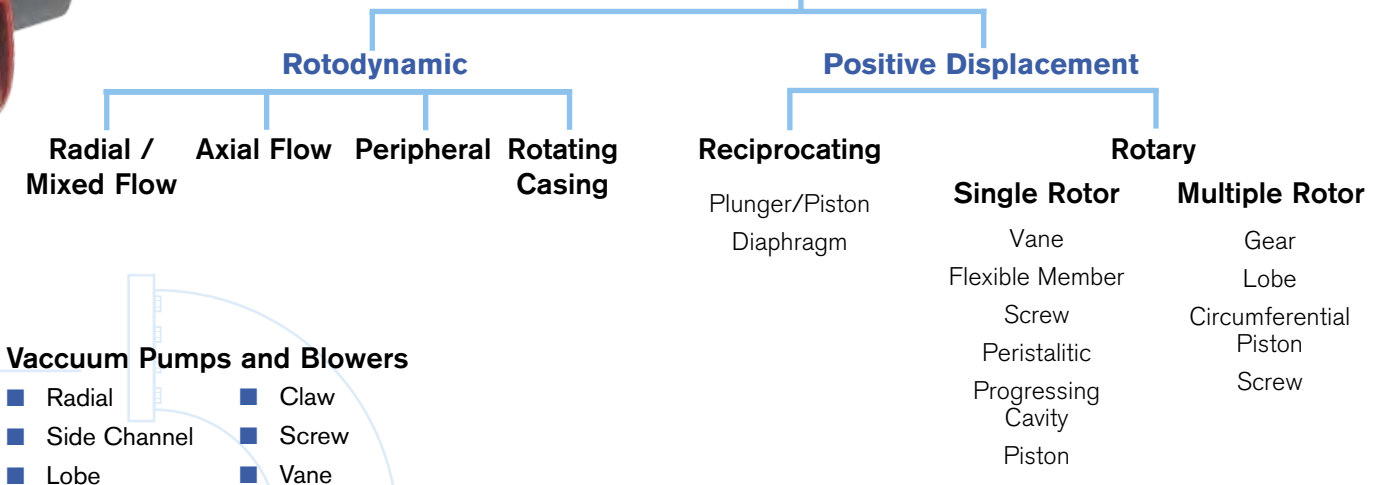
through obsolescence – or carry out replacements. We will calculate Whole Life Costs and provide payback analysis, giving you factual evidence on which you can base your final decision.

If maintaining existing pumps proves to be the most cost-effective solution, ERIKS Pump Services reverse engineering capabilities mean we can help you to keep your pumps running even after parts obsolescence, and can also modify and up-rate components, for improved performance and reliability.

This procedure can include a full material upgrade, with the ability to engineer out any wear or damage to the original components. There will be no need to carry out extensive plant modifications to accommodate the renewal, and pumps and spares will be fully interchangeable with existing units.



## General pump types supported



### Vacuum Pumps and Blowers

- Radial
- Claw
- Side Channel
- Screw
- Lobe
- Vane



# ALL THE SERVICES AND FACILITIES



**ERIKS aim to provide a focal point for all pump services to our customers, not only as a supply partner but also as an independent technical resource.**

**We are able to offer this through:**

- Pump industry technical team with local support
- Technical and trading partnerships with all major pump suppliers
- Full national coverage for pump support in the field
- Active members of the Pump Centre and BPMA

**We are focussed on:**

- Delivering pump repair and refurbishment to a high standard
- Reliability improvements as collaborative projects
- Obsolescence risk auditing
- Site services
- Repair and maintenance contracts
- Asset management contracts

- Supply, installation and commissioning
- Reverse engineering
- Energy efficiency testing and system diagnostics
- Training schemes

We are able to conduct pump performance and system testing in our workshops and on site. Our ATEX accreditation qualifies us to carry out work on rotating equipment operating in all hazardous and explosive environments and we have experience of operating on COMAH tier 1 sites.

We carry out system design, supply, service and repair for a wide range of industries including:

- Food and Beverage
- Pharmaceutical
- Chemical
- Water
- General Manufacturing
- Steel Industry
- Paper and Pulp
- Mining and Quarrying
- HVAC - Facilities Management
- Power
- Nuclear
- Marine





# YOU NEED

## CASE STUDY

### ERIKS' Experts Reduce failures in Waste Water Pumping

A direct correlation can be demonstrated between pump efficiency, reliability, and the total cost of ownership.

#### SITUATION

In this case, the client was experiencing a significant level of catastrophic failures that resulted in unsustainably high repair costs, frequent un-planned call-outs, and the risk of pollution to the environment.

#### SOLUTION

Having established the failure mode in the pumps, ERIKS carried out a full hydraulic system audit on site to establish a root cause of the problem.

Analysis of the site tests revealed that the existing pumps were unable to overcome the system head and were operating far to the left of their design envelope. This resulted in reduced flow allowing the impellers to clog and "rag up" causing severe vibration and re-circulation cavitation.

A major concern was the fact that these pumps were unable to meet the minimum statutory flow required from this site

ERIKS were able to select the correct pump by establishing the hydraulic system characteristic and provide significant energy savings.



# ERIKS repair and maintenance services cover

ERIKS offers a complete range of 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



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