



Manage, maintain and maximise your assets

Installed Condition Monitoring and Process Control
with ERIKS e-Connect cloud-based systems

know-how makes the difference

ERIKS



ASSET RELIABILITY THROUGH GREATER INSIGHT AND SUPPLY CHAIN PARTNERSHIP

e-Connect offers a number of benefits and insights;

- **Predictive maintenance support**
Providing specialised knowledge and insight into the possibilities of equipment and its utilisation. ERIKS insight also helps identify and remove the root cause of failure
- **Preventive maintenance support**
Providing advanced warning of failure or under performance of equipment
- **Remote Process control support**
Assistance with commissioning and fault finding using e-Connect as a virtual gateway
- **Predictive stocking**
Linking warning of failure to parts and labour supply to pro-actively manage resources. Offers reduced delivery time and lower the working capital requirements
- **Real-time system information**
Live online status reporting for multiple assets across all locations via ERIKS e-Connect
- **Near miss analytics**
Analysis of near misses or provision of data to run risk management
- **Big data analytics**
For process optimisation, ERIKS know-how supporting process development to improve your systems

With e-Connect from ERIKS you also benefit from access to the ERIKS Know-how Cloud

This opens up access to ERIKS many cloud based tools and technical support team who can help you run and maintain your assets

- Understand the issues and take the relevant precautions to ensure optimum asset performance and protection
- Ongoing monitoring and maintenance advice
- Data interpretation for diagnosis and prognosis using sophisticated monitoring algorithms and the best technical know-how available





CRITICAL MEASUREMENTS FOR **CRITICAL ASSETS**

RIGHT DATA, RIGHT TIME, **RIGHT DECISION**

The design of your sensor system makes a significant difference to the effectiveness of asset monitoring eliminating background noise whilst providing early accurate identification of impending problems. Designed correctly by ERIKS experts, our e-Connect systems can measure a wide range of attributes:

- Position
- Temperature
- Flow
- Vibration
- Level
- Pressure
- Torque
- Speed
- Current
- Voltage
- Cleanliness
- Viscosity
- Ferrous content
- GPS location

And any other measurable attribute



How data **HELPS**

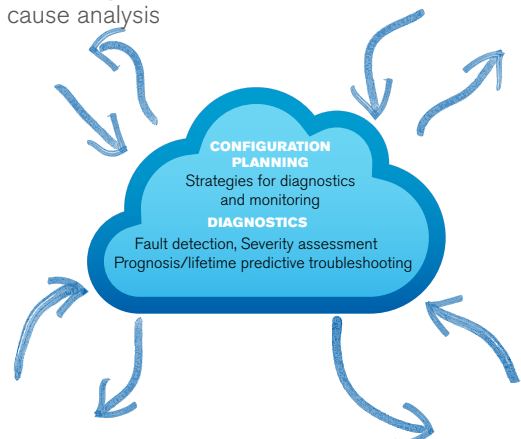
Data collected by a correctly set-up system is valuable to more than just maintenance engineers, and can be used for much more than just early-warning of asset failure.

Technical Advice

- Failure alerts, prognosis and diagnosis
- Troubleshooting
- Root cause analysis

Financial Department

- Running and repair cost statistics



Engineering Team

- Remote supervision
- Asset statistics

Plant Manager

- Production and maintenance scheduling



CHOOSE YOUR LEVEL OF CARE

ERIKS e-Connect installed systems are available in five versions, fully extendable depending on application.

The e-Connect family

	Digital	Analogue	Drives	Trending	Diagnostics	
Series 5	●	●	●	●	●	Advanced Diagnostics
Series 4	●	●	●	●		Standard Diagnostics
Series 3	●	●	●			Trending with Remote Control
Series 2	●		●			Status Monitoring
Series 1		●				Log and Alert

Series 1 (Log and Alert)

- Battery powered
- Up to 4 analogue sensors
- Wake up, test and sleep
- Text on alarm and periodically

Series 2 (Status Monitoring)

- Permanently powered
- Continuously Monitors the state of devices – on/off, duty/standby/tripped
- Alert by text and/or email
- Web-viewer available

Series 3 (Trending)

- Permanently powered
- Connects to majority of sensors (analogue or BUS outputs)
- Trending over time
- Monitors the values and alerts when a threshold is triggered
- Alert by text and/or email
- Web-viewer
- Remote connectivity

Series 4 (Diagnostics)

- As Series 3
- Local algorithms for multi-dimensional alarms
- Local history storage

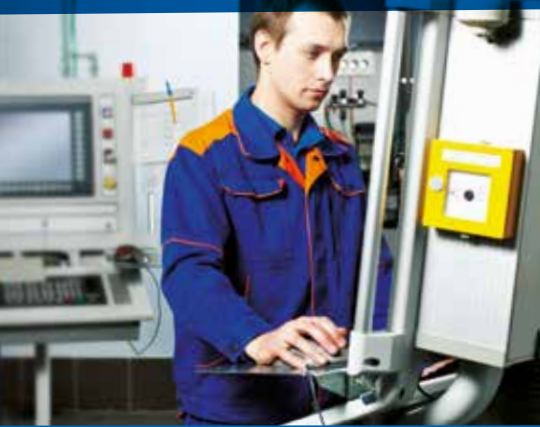
Series 5 (Prognosis)

- As Series 3
- Local algorithms for multi-dimensional alarms
- Full analytical data stored on cloud
- Ability to overlay data from various machines
- High-end analytical techniques

Easy installation

Install as standalone, mobile, wireless, or wired-in to your existing SCADA system using the standard MODBUS protocol. Panel or rugged IP rated casing mounting options.

- No IT expertise required
- No programming
- No firewall issues
- No VPN or static IP required



WATCH AND LEARN

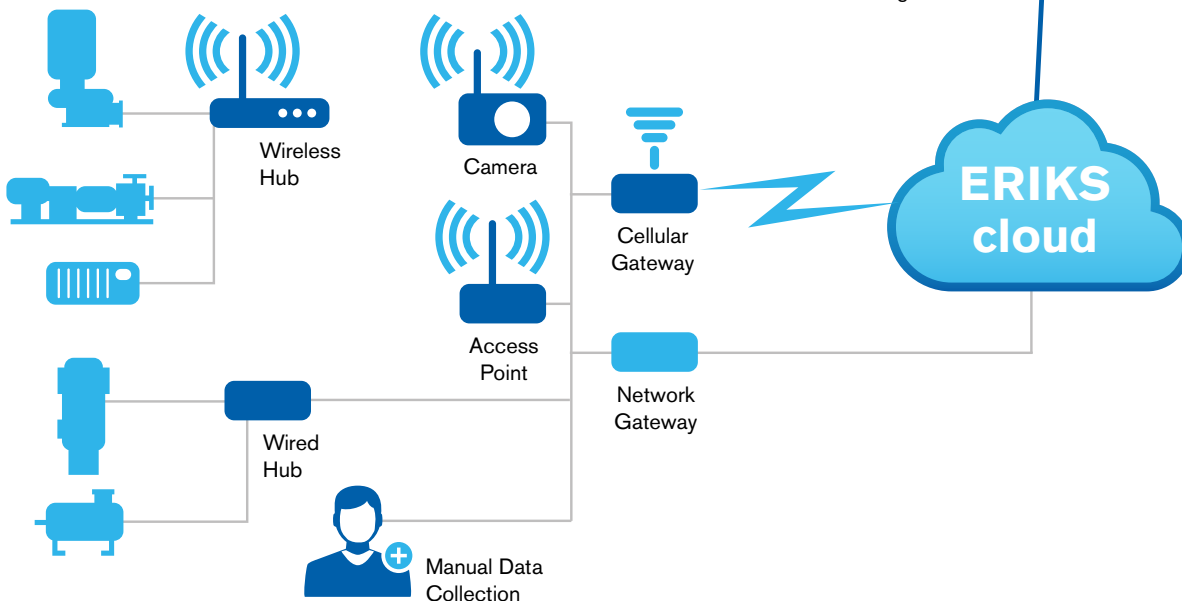
Monitoring your critical assets to learn about their condition, behaviour and performance is one of the most cost-effective ways to minimise downtime, maximise uptime, and reduce repair and maintenance costs.

Reading THE SIGNS

ERIKS' comprehensive engineering and process knowledge means we know how machines fail. So we also know how to design the most effective systems to protect customers' vital assets.

Our expertise means we:

- Know what and where to monitor for the most effective early-warning of failure
- Use the correct predictive algorithms to provide exactly the right level of engineering and process
- Can interpret the data gathered for the most complete insight into your assets including diagnosis and prognostics



ERIKS UK & Ireland

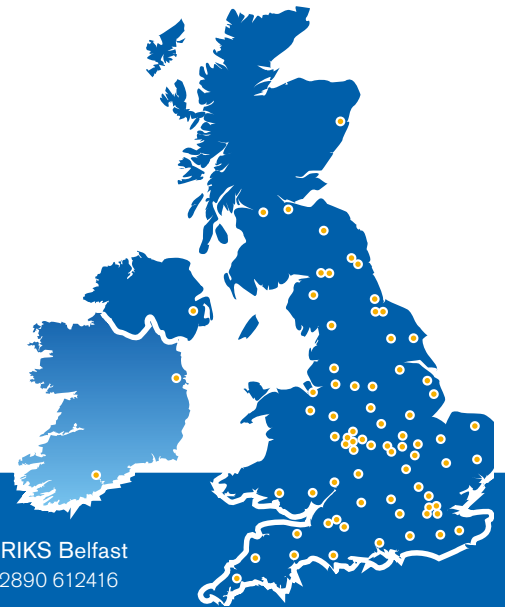
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