

We offer a unique Predictive Maintenance and Energy Optimisation System

We transform your **electric motors** into **predictive sensors of behaviour** of your **entire machine**

(supply, motor, transmission, driven machine and process).

We identify and **diagnose faults**, and **advise on appropriate maintenance** and timing.



Geoff Walker
Operations Director



Save energy costs.

Avoid unexpected downtime.

Where we can help you:



Electric motor-driven machines
Eg pumps, fans, compressors etc

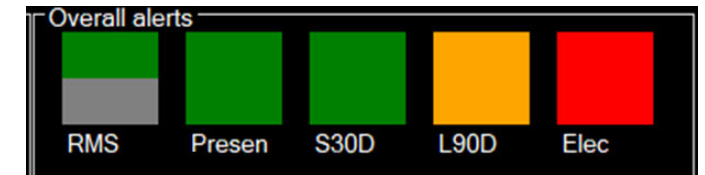


Generators
Turbine or diesel driven



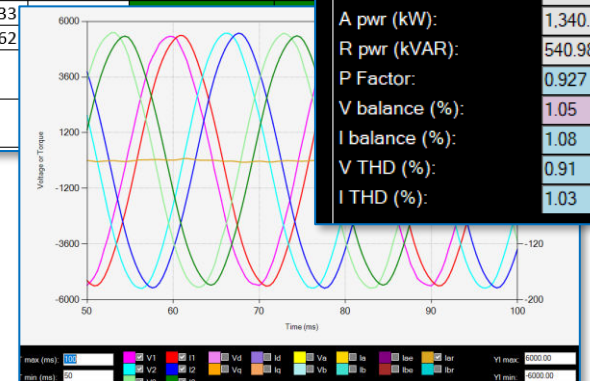
Our system offers you great benefits:

- Reduction towards **zero unplanned downtime**
- Direct **maintenance costs reduced** by up to 90%
- **Return on Investment of up to 2500%** and more
- Reduced **disruption to production** boosts profits:
 - improved production schedule compliance
 - reduced stress levels!
- Equally suitable for **inaccessible or difficult** machines
- **Energy saving** potential identified
- **Rapid deployment** – no long model-training process
- **Cyber Secure** – no need to send data to cloud



Energy usage:	1.340.234kW	£3,991,754/yr
Energy wastage:	29.812kW	£88,793/yr
Unit energy cost:	£00.34/kWhr	

Fault level	Energy loss	Current condition	Pre (1M)
Elect Rotor: -0.40	0.00%		
Elect Stator: 3.20	0.61%		
Motor Unbal/misal: 2.38	0.36%		
Motor Bearing 1: 1.33			
Motor Bearing 2: 2.62			
Motor Found loose: 2.15			
Motor Trans loose: 4.49			



Proven.

Successfully deployed in critical industries:

- Oil and Gas
- Power Generation
- Nuclear
- Water Utilities
- Infrastructure, etc

Successfully deployed on many machine types:

- Pumps
- Fans
- Compressors
- Conveyors
- Cranes, etc



**HAPPY
CUSTOMERS**



Our unique capabilities come from the talent and capabilities of our team

The company was **created by maintenance experts**, for maintenance experts.

The technology is the result of **decades of experience** in condition monitoring and automated fault diagnosis.

The technological development was led by **industry experts** and **academics from Cambridge University** Mathematics Department.

Ongoing Research and Development, both **industrial** and **academic**, keeps us at the forefront of this domain.



Geoff Walker
Operations Director



Andy Bates
Technology Director



Myles Bannister
Operations Manager



Anthony Jones
Industrial Software Specialist



Jeremy Monroe
Former IBM Global Industry Leader



David Gill
Managing Director,
St Johns Innovation Centre



Mark Guinan
Head of Sales,
BAE Digital



Simon Mills
World-leading expert
in Condition Monitoring



Stephanie North
Cambridge University
Maths Department



Peter Tavner
Professor
Durham University



How can we help you?

Operations Managers / Maintenance Managers / Engineers / end users – we offer a proven solution that can be installed and giving benefits within days

For permanent installation

- **S200** series of units, complete kit of all necessary items (including Current Transformers, Power Packs etc) supplied for easy installation in motor switchrooms by your own teams

For portable testing

- **P100** series of portable test kits, for short term use on virtually any of your machines, can give results in minutes

For more info

- Contact us via any of the methods shown below



LinkedIn



Website



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LET'S WORK
TOGETHER

