System 1™

Plantwide monitoring with clarity and context for complex manufacturing businesses

Cordant™

Your business has challenges

Your assets	Your knowledge	Your insights	Your priorities
are well understood but in fragments	can be extensive but hard to leverage and transfer	are tough to deploy and scale across your plant and beyond	can conflict with your asset strategies

System 1 brings it all together

Baker Hughes' Cordant™ Asset Health offering provides condition monitoring solutions for every industry

Oil and Gas

Upstream offshore
Upstream onshore
Pipelines
LNG
Refining
Petrochemical

Power

Wind
Hydro
Fossil
Nuclear

General Industry

Fertilizer
Steel
Mining
Pulp and paper
Marine
Food and beverage
Automotive

System 1's comprehensive capabilities

Visualization

Desktop app
Plant and machine HMI, trend analysis, diagnostics, alarm management, case history

Analytics

Core
Condition monitoring (CM) alarming, state analysis, core extractions

Decision Support
Custom algorithms, advanced extractions

Performance
Thermodynamic efficiency, machinery performance

Failure Mode Detection

Connectivity

Secure OT/IT Data Transfer

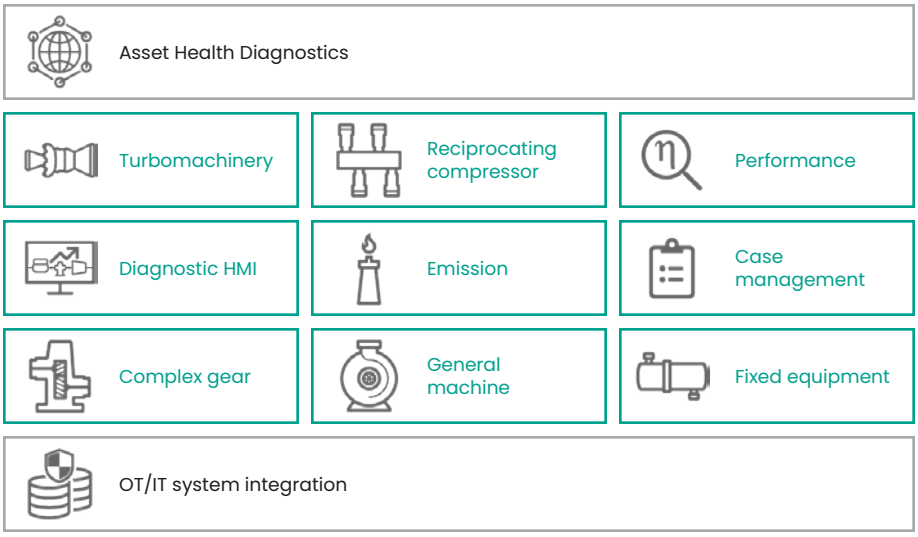
Comprehensive Asset Health Data
Collect Vibration, Control, Process, and Emissions Data in a single platform

Extensive Data Interfaces
Online, Wireless, Scanning, Portable, and Industrial Protocol Sources

Tested, trusted, and built on a legacy of machinery know-how and customer engagement

- Over 20 years on the market as a pioneer in machinery condition monitoring software
- The result of input from end users in ~35 of the biggest industrial companies in the world across 15 countries and 50 sites
- 12 remote monitoring centers
- Thousands of System 1 users globally
- 300 field and diagnostic engineers to provide unmatched support worldwide

Seamless plantwide monitoring that connects processes and assets so you can run without unplanned downtime



System 1 and Decision Support: supplying information from the edge to the cloud

- Gain new insight into equipment and process behavior
- Reduce time spent performing manual diagnostics
- Use Decision Support rules to qualify and derive data for root cause analysis associated with simple or complex scenarios
- Capture, document, and share knowledge

Asset Health as a Service: an end-to-end solution to unlock the power of plant wide condition monitoring

- Full benefits of well-managed condition monitoring system with less infrastructure for a fixed yearly fee
- Lower total cost of ownership (no servers, IT personnel needed)
- Real-time and historical data from any type of equipment aggregated in System 1 datacenter
- Analytics and continuous expert support with prescriptive advisories
- Data is secure and compliant with industry and regional cybersecurity standards
- Customer retains ownership of the data

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