System 1™
Plantwide monitoring with clarity and context for complex manufacturing businesses

Your business has challenges

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

System 1 brings it all together

An asset condition monitoring solution 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 Bently Nevada 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

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

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

Bently HOST: 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