System 1
Plant-wide 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 nearly 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
- Web app
  Fleet awareness, first line analysis

Analytics
- Core
  CM alarming, state analysis, core extractions
- Decision Support
  Custom algorithms, advanced extractions
- Machinery paks
  Thermodynamic performance, predictive emissions

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
Seamless plant-wide monitoring that connects processes and assets so you can run without unplanned downtime

- Fleet management
- Turbomachinery monitoring
- Reciprocating compressor monitoring
- Performance monitoring
- Diagnostic HMI
- Emission monitoring
- Case management
- Complex gear monitoring
- General machine monitoring
- Fixed equipment monitoring
- OT/IT system integration

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

Bently HOST: all the power of System 1 plant-wide condition monitoring at a lower cost of ownership

- Full benefits of well-managed condition monitoring system with less infrastructure
- Lower total cost of ownership (no servers, IT personnel needed)
- System 1 software connects real-time and historical data from any type of equipment to help identify machinery failures before they occur
- System 1’s simple and intuitive interface enables users to create, manage and fully leverage plant-wide machinery condition monitoring programs
- Data is secure and compliant with industry and regional cybersecurity standards
- Customer retains ownership of the data