**Key benefits**

- Get continuous monitoring to maintain pipeline integrity and security
- Improve detection of almost any sized leaks
- Reduce false alarms
- Prioritize preventive actions
- Increase safety
- Access 24/7 support from global leaders, BHGE and Hifi Engineering

---

**Safeguard your pipelines, and your operations**

The more you know about your assets, the better you can protect them in critical situations. It’s time to prevent leaks, avoid false alarms, and save valuable resources with Vigilant.

The premier distributed integrity monitoring and management solution, Vigilant combines advanced fiber optic technology from Hifi Engineering with the power of Predix from Baker Hughes, a GE company—delivering the most reliable readings with the most actionable insights.

And with continuous, real-time leak detection and easy-to-understand recommended actions, you can prevent asset problems faster than ever before, better prioritize resources, and most importantly, gain peace of mind.

**Better data for better decisions**

**High-fidelity fiber optics**

Hifi fiber optic sensors are installed on, near, or inside pipelines to capture and securely send comprehensive data from the pipeline to the control room at the speed of light.

**Actionable insights in real time**

False alarms are avoided by checking current conditions against expected activity, which is captured with a baseline survey. In the case of any unusual activity, operators are notified immediately through Predix* with critical information needed to identify the cause for the alarm, and avoid or minimize impact. This includes the type of event detected, its GPS location, a recommended corrective action, and other helpful details.

**Faster, more informed decision-making**

With these real-time, actionable insights and an intuitive software interface, control room operators can quickly analyze comprehensive data to more easily make critical decisions about whether or not to shut down operations.
Reduce Risk
Detect leaks of almost any size, in any location on your pipelines to avoid costly events and maintain integrity.

- Increased safety for employees and for the public
- Improved security against external threats
- Faster detection for faster action

Improve Uptime
Make better operational decisions with a dependable monitoring and alarm system.

- Real-time continuous monitoring for better response times
- Fewer false alarms by understanding what activity is expected
- Robust data with advanced reporting capabilities
- Intuitive interface designed for control room operators
- 24/7 expert support for all components from BHGE and Hifi Engineering

Minimize Costs
Save more by gaining better insights around every inch of pipeline, faster than ever before.

- Fiber optic sensors for greater long-term value over traditional sensors
- Cloud-based software for easy implementation and updates
- Reduced labor resources associated with false alarms
- Greater ability to prioritize preventive actions

Vigilant monitors thermal, acoustic, and kinetic energy (strain and vibration) to alarm on multiple types of events, including:

- Abnormal temperatures
- Pipeline strain and movement
- Hillside erosion
- Intrusions (hot-tapping or line strikes)
-Leaks

bhge.com