Automatically Test Mission-Critical Assets

Remotely, Consistently, and on Your Schedule

WATCHMAN
ONLINE SYSTEMS

Track the Health of Your High-Value Assets

Protect your vital machinery with WATCHMAN Online Systems™— securing detailed vibration diagnostic results for your operation-critical assets, remotely or on-premises.

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This key component of WATCHMAN Solutions works with the WATCHMAN Reliability Portal™ to deliver fully trendable assessments of your critical machinery through the WATCHMAN Diagnostic Data Center. Configure the testing schedule and parameters—which machines to test, in what order, and how often—to exactly match your tracking needs. Then deliver analytical results to plant personnel and all key decision makers through a secure website interface. When machine health is paramount, WATCHMAN Solutions provides the monitoring you need.

Online Data Acquisition
Match the Monitoring Devices to Your Program

WATCHMAN Online Systems offer remote, automated, persistent monitoring—wired or wireless, 4 and 16 channels, simultaneous or sequential—through their family of data collection devices. With ALERT Online Engine™ configuration utility, you can configure your own testing schedule using a simple setup method. Installed on a local central server, the online system can be set up to collect data at established intervals, based on time of day and/or machine status. Integral components of WATCHMAN Online Systems include:

- SPRITE™ i1600—16-channel data acquisition devices with IP-66 rated enclosures (used with accelerometers and 4-20mV connections)

- SPRITE i400—4-channel simultaneous vibration + 4-channel process parameter wireless data acquisition devices with IP-67 rated enclosures

- Single or triaxial sensors

- Local network WATCHMAN Online Systems and ALERT™ Database Servers—physical or virtual

- Network cabling or wireless network connections
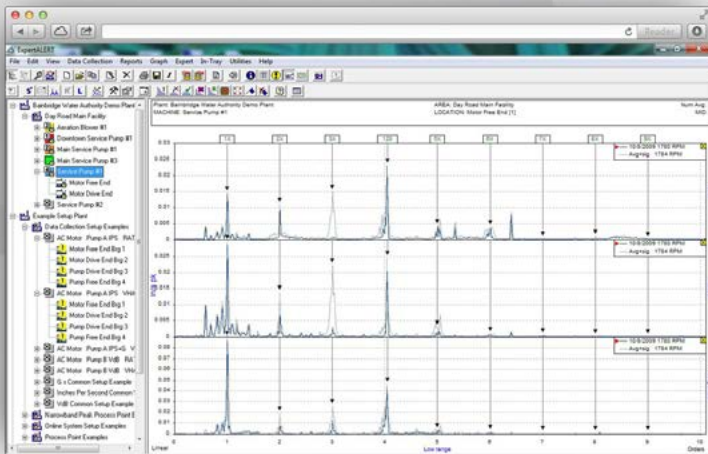
WATCHMAN Reliability Portal
Collaborate Across Your Team

The Portal can add real-time visibility to your WATCHMAN Online Systems. Collaboration between analysts, plant managers, executives, and other key decision makers is vital when the health of critical assets is on the line. Dashboard metrics keep managers and executives informed and involved without requiring them to decipher technical data, and historical information helps users understand the true status of their plants. Events can be tracked to ensure planned maintenance and repairs are completed in a reasonable timeframe.

ExpertALERT

Track the Trends that Matter

At the heart of WATCHMAN Online Systems is ExpertALERT™, an automated diagnostic software solution that analyzes data, maintains historical records, and reports the findings to your team by applying thousands of unique rules to identify hundreds of individual faults in a wide variety of machine types.

Get real-time notifications of changes in machine health that provide your team with an actionable diagnosis, fault severity, and repair priority. Our test-point variation feature extends beyond simple monitoring of alarms on peaks or spectral bands to capture and compare complex patterns detected from the entire set of locations on your machine.

Vibration Analysis Services

Reduce Risk, Improve Safety, Increase Production

Early retirement, inconsistent knowledge and training, and restricted budgets are making it challenging for many plants to retain the necessary in-house expert resources. With WATCHMAN Online Systems, you have the option to add access to expert analytical resources.

The expertise of WATCHMAN™ Services division can help ensure long-term reliability benefits for industrial plants with programs tailored to your company's specific needs and objectives.

Keep Your Plants Running Smoothly

With WATCHMAN Online Systems and the powerful ExpertALERT diagnostic software, manage the health of your critical assets.

» **Persistent monitoring**
Collect data automatically, at established intervals, based on time of day and/or machine state.

» **Remote capability**
Ensure safety for isolated installations or hazardous environments.

» **Automated diagnostics**
Know immediately when monitoring detects changes in machine condition.

» **Lower cost of entry**
Grow at your own rate, according to your business requirements, *without* major infrastructure expenses.

The completely scalable, flexible, and sustainable WATCHMAN Solutions predictive maintenance programs cover all your critical assets. Pair your portable data collectors with your online data collection and combine results with visual inspections, infrared analysis, oil analysis, and other diagnostic technologies and then view them in one location on the WATCHMAN Reliability Portal for a complete picture of the health of your plant.