

Bearing Fault Monitor

AssetScan Solution



The power of analytics. **Delivered.**

AssetScan is a complete solution of hardware, software and data analytic services that fully enable owners, operator and users to unlock the intelligence of their devices. As the Industrial Internet of Things comes to life, AssetScan provides a way for all manufacturers to improve their asset management with condition-based decision making. An array of variables can be measured and transferred up to the cloud. The newly-intelligent device data is available on any internet connection via the web-based ATEK Intelligence Platform. The all-in-one monitor includes cellular connectivity and battery power to insure easy installation anywhere.

Imagine being able to provide analytics that help eliminate unplanned downtime by supplying predictive maintenance information or improving customer efficiencies by optimizing operations. The possibilities are endless with the sensor-agnostic AssetScan solution.

ATEK Access Technologies provides the end-to-end solution for OEM and service provider partners, giving them a cost-effective and quick way to market. Highly experienced and knowledgeable engineers and program managers work closely with every partner to insure that each program is successful.

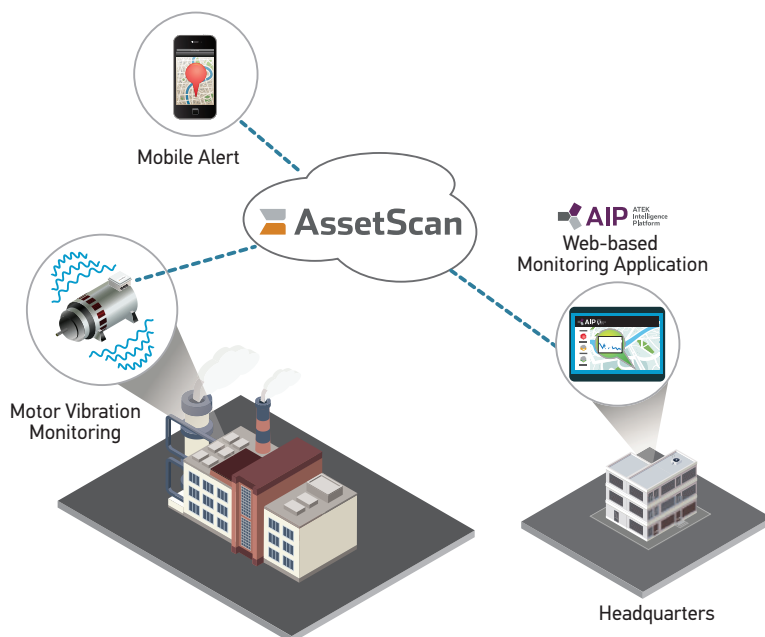
The AssetScan solution delivers the power of analytics, insuring every partner is seen as a technology leader in their served market.

AssetScan Capabilities

- Fully-contained battery-powered sensor monitoring solution
- Built-in cellular connectivity
- Analog and digital channels
- ATEK Intelligence Platform and ATEK Service Platform data services
- Condition-based Alerting

AssetScan Fault Monitoring

- Bearing fault detection
- Cavitation
- Lack of lubrication
- Imbalance
- Misalignment
- Looseness



ASSETSCAN BEARING FAULT MONITOR SPECIFICATIONS

MODULE TYPE

Carrier	Verizon, AT&T, T-Mobile
2G Bands	Dual Band 850/1900 MHz CDMA 1x Data (Verizon)
3G Bands	HSPA/GSM Band B1, B2, B4, B5, B6, B8 (AT&T, T-Mobile)
Antenna	Internal Patch

MANAGEMENT

Configuration	ATEK Intelligence Platform (AIP)
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SENSING TECHNOLOGY

Sensor	ICP 100 mV/G Accelerometer with Magnet Mount, 30 ft Armored Cable
Bearing Fault Detection	Emerson AMS 9330VP

POWER

Battery	Rechargeable, 12 VDC, VRLA, 7Ahr
Battery Life/Charge	Approximately 2000 Readings

PHYSICAL

Dimensions	11.8 in x 8.5 in x 3.8 in (without cable glands)
Weight	10.5 lbs (with battery)
Enclosure Material	Polypropylene
Rating	IP67

ENVIRONMENTAL

Operating Temperature	0° C to 50° C (32° F to 122° F)
Storage Temperature	-40° C to 75° C (-40° F to 167° F)
Humidity	90% Non Condensing

DATA CENTER

Certifications	SAS70 Type II and SSAE 16 Certified Data Center, Reports Available Upon Completion of a Non-Disclosure Agreement
Encryption	Sensitive Personal Information - Stored Encrypted, Two Way Data Encryption Utilized for Device to Data Center Communications, Encrypted Data Storage Available.
Disaster Recovery	AIP Application and All Data Backed Up to Offline Data Storage at Data Center and to Offsite Secure 3rd Party Storage Facility



ATEK Access Technologies will be there every step of the way, ensuring seamless installation and integration with every asset and enterprise system. And ATEK will continue to provide full-time support with award-winning ATEK Service Platform (ASP). ASP continuously monitors the health of devices in the field, preventing dead batteries, missed reports and data over usage. ATEK service personnel are alerted if any of these areas need attention, and will contact and troubleshoot to eliminate problems. Keep the focus on asset condition monitoring knowing that ATEK Service Platform is monitoring the devices.



SPECIFICATIONS

ATEK INTELLIGENCE PLATFORM

Viewing Platform	Mobile, Tablet, PC, Any Internet Connection
Notifications	<ul style="list-style-type: none"> • Multiple Levels of Alerts • Tailored to Each Monitored asset • Based on Any Measured Variable
Users Accounts	<ul style="list-style-type: none"> • Unlimited Accounts • Roles Based on Level of Accessibility
User Notifications	<ul style="list-style-type: none"> • Configured for Unlimited Number of Users
Alert Notification Methods	<ul style="list-style-type: none"> • Text • Email
Reporting	<ul style="list-style-type: none"> • Historical Data is Viewable and Downloadable