



ATS

RELIABILITY 360® MACHINE HEALTH MONITORING



**SEE IT COMING,  
KEEP IT RUNNING.**

Driving Results with  
**Guaranteed ROI**

## THE KEY TO AVOIDING UNPLANNED DOWNTIME

Manufacturers have traditionally relied on scheduled maintenance to address known wear patterns and reactive repairs when failures arise. However, not all failures happen on a predictable schedule. Components wear out without warning, and unplanned downtime can halt production in an instant. As production demands increase and the cost of downtime rises, the question becomes: is there a more effective way to maintain operations?

That's where real-time monitoring and predictive maintenance make a difference. By capturing data on indicators like vibration, ultrasound, and pressure, manufacturers can identify early warning signs—giving on-site teams the visibility to act before small issues escalate. The result? Fewer breakdowns, fewer disruptions, and smarter use of maintenance resources.



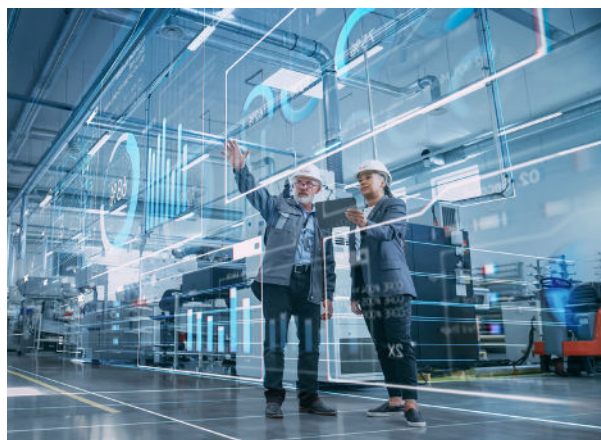
# \$100,000+

THE TYPICAL COST OF  
JUST ONE HOUR OF  
LOST PRODUCTIVITY

Source:  
Predictive Maintenance, Deloitte, 2025

## Why Predictive Maintenance Matters

Unplanned downtime doesn't just disrupt operations—it puts revenue, production targets, and reputation at risk. Predictive maintenance helps prevent those disruptions by identifying potential issues before failure occurs. Compared to traditional approaches, the benefits are clear.



5-15%  
REDUCTION IN FACILITY DOWNTIME

5-20%  
INCREASE IN LABOR PRODUCTIVITY

10-30%  
REDUCTION IN INVENTORY LEVELS WITH  
5-20% REDUCTION IN CARRYING COSTS

3-5%  
REDUCTION IN NEW EQUIPMENT COSTS



## Founded in 1985,

Advanced Technology Services (ATS) is the trusted partner of manufacturers focused on increasing uptime and improving reliability. With **decades of hands-on experience**, we know what it takes to manage critical assets, reduce downtime and optimize performance. This practical, on-the-ground knowledge drives our approach to predictive maintenance—delivering measurable, long-term value to our customers.

Our **Reliability 360® Machine Health Monitoring** solution builds on this knowledge, delivering real-time insights into asset health through continuous monitoring. Integrated AI supports our expert analysts by helping prioritize and address issues before machines fail—enabling preventive action to be taken during planned downtime.

## Why ATS?



**Decades of Experience:** With decades of experience supporting hundreds of manufacturers across a wide range of industries, we bring real-world expertise to every solution we deliver.



**Expert-Backed, Field-Proven:** Our solutions are shaped by seasoned reliability professionals and proven every day on the plant floor.



**One Partner for Uptime:** From early detection to on-site repair, we provide a comprehensive suite of services for proactive maintenance, asset management, and repairs.



**Privately Held, Reliability Focused:** As a privately owned company based and managed in the US, our priorities are aligned with long-term customer success—not short-term gains.

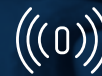
## BUILT FOR LONG-TERM VALUE, CHOSEN FOR PROVEN RESULTS



**3X ROI GUARANTEED**  
for R360® Machine Health Monitoring customers.



**50% OF CUSTOMERS**  
choose to expand sensor coverage within 4 months of seeing initial value.



**20+ SENSOR TYPES AVAILABLE**  
with a growing portfolio built to enhance reliability and meeting evolving customer needs.



**SAME DAY RESPONSE**  
to alerts is our standard—because uptime depends on action, not delays



**OVER 4 IN 5 MANUFACTURERS**  
continue with ATS for long-term, reliable machine health monitoring.

## From Your Machines...

Effective machine health monitoring starts with the right tools—technology designed for manufacturing’s real-world demands.

**Reliability 360® Machine Health Monitoring** combines industrial-grade hardware and software to provide clear, relevant insights at every level of your organization.

Data is collected, stored in the cloud, and available when you need it, whether managing operations on the floor or overseeing multiple sites. This scalable approach provides access to key metrics, driving smarter decisions across your enterprise.



### CORE MONITORING CAPABILITIES

Our **portfolio of 20+ sensors** tracks early warning signs from bearing wear and motor issues to pressure changes and flow disruptions, preventing costly disruptions before they happen. These key asset health metrics are displayed in a clear, intuitive dashboard, simplifying monitoring across single facilities or entire networks.

As factories grow more complex, Reliability 360® Machine Health Monitoring advances with them, continually evolving to support what matters most to your operations.



VIBRATION



ULTRASONIC



TEMPERATURE



ELECTRICAL  
CURRENT



PRESSURE



FLOW



ENVIRONMENTAL  
CONDITIONS

### TOP COMPONENTS MONITORED:



Bearings



Gearboxes



Motors



Fans



Blowers



Pumps



## ...to Our Technology Center

Sensors and data may be the foundation of predictive maintenance, but it's the interpretation and application of that data that drives real results. In today's fast-paced manufacturing environment, turning that data into accurate, relevant insights is key to staying productive and avoiding disruption.

Our state-of-the-art **Reliability 360® Technology Center** was built with that need in mind. Designed as an extension of your operations, it connects your team to the knowledge and tools needed to maintain peak performance. Combining real-time machine data with decades of maintenance expertise, we provide direct access to troubleshooting guidance, expert analysis, and actionable insights.

### RELIABILITY EXPERTISE AT YOUR FINGERTIPS

Beyond technology-driven insights, Reliability 360® connects your team to industry-leading expertise and a full suite of reliability services, ensuring you have the resources needed to maximize performance:



**Reliability Engineering:** Leverage proven technologies and standardized processes to evolve from reactive to proactive maintenance and achieve best-in-class reliability.



**Maintenance Forum:** Connect with maintenance and reliability experts who provide answers, recommend corrective actions or escalate complex cases to subject matter experts.



**Subject Matter Experts:** Get real-time, remote diagnoses from subject matter experts, along with corrective actions to resolve complex maintenance challenges and ensure smooth operations.



**Technician Hub:** Access a vast resource network for field technicians, including *over 150,000 OEM manuals*, troubleshooting guides, and best practices.



**Hot Parts Request:** Secure priority sourcing and expedited repairs for critical components, ensuring fast turnaround to minimize downtime.

**AND MORE.**



### 15 YEARS AVERAGE EXPERIENCE

in vibration analysis per CME, ensuring reliable insight and confident decision-making for your maintenance strategy.



### LOCATED IN

Greenville,  
South Carolina

### INTERESTED IN A TOUR?

855.834.7604  
[info@advancedtech.com](mailto:info@advancedtech.com)



# Your Partner in Maximized Availability

With Reliability 360® Machine Health Monitoring, you gain a fully integrated approach that supports your operations from day one. Our experts collaborate with your team to assess asset criticality, identify risk areas, and build a tailored monitoring strategy that aligns with your operational goals.

We handle everything—from professional installation to seamless platform integration—so your team can focus on running a more efficient, reliable operation.

Once live, our experienced condition monitoring experts and CAT III Vibration Analysts translate complex data into actionable insights that help you resolve issues before they disrupt production. With centralized dashboards and real-time alerts, you gain complete visibility into asset health and a data-driven path to measurable results.

Each recommendation is designed to support your KPIs for uptime, cost reduction, and equipment longevity, with ongoing expert support ensuring your solution evolves with your needs.



**LESS NOISE. CLEARER INSIGHTS.  
100% OF THE RESULTS.**

With 12.5% of the notifications of other solutions, you get the insights you need—without the distractions.

## END-TO-END IIOT SOLUTION:



**CONSULTATION  
& INSTALLATION**



**24/7 MONITORING**



**REAL-TIME ALERTS**



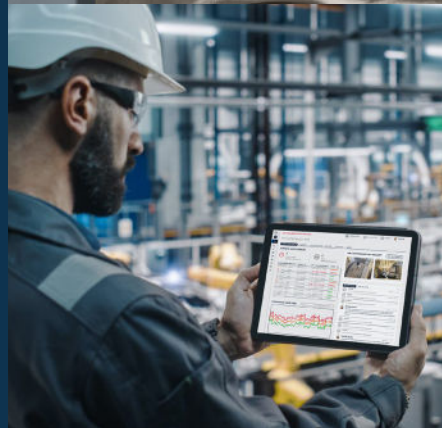
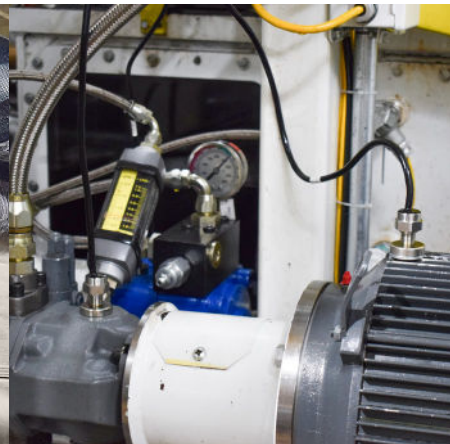
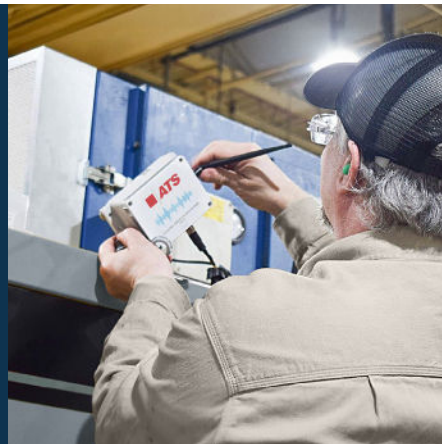
**PRESCRIPTIVE ACTIONS**



**MEASURABLE RESULTS**



**CONTINUOUS SUPPORT**







“Reliability 360® Machine Health Monitoring customer support has exceeded expectations. I'm confident in the knowledge the team brings to analysis.”

- Maintenance & Engineering Manager,  
Fortune 500 Manufacturer

## HOW IT WORKS:

1

**Alert Triggered:** Data flows into the R360® Machine Health Monitoring dashboard, where integrated AI enables condition monitoring experts (CMEs) to analyze and prioritize issues.

2

**Maintenance Recommendation Created:** CMEs create prescriptive actions to guide on-site teams in resolving issues.

3

**Insights & Documentation Shared:** Recommendations, alert data, and supporting materials are accessible through the dashboard or CMMS integration for review and execution.

4

**Expert Consultation:** Maintenance teams can leverage built-in tools to consult with ATS experts before heading to the factory floor, ensuring proper troubleshooting and planning.

5

**Cost Avoidance & Performance Tracked:** Once work is completed, cost avoidance data is logged and aggregated by asset, plant, or enterprise-wide, to show business impact.

## TECHNOLOGY & CONNECTIVITY



Sensor and  
gateway  
hardware



Cloud-based  
software



Ethernet  
or cellular  
connectivity



Secure  
network  
integration

# Integration that Works for You

Reliability 360® Machine Health Monitoring is designed to complement—not complicate—your existing systems. With secure API access and CMMS integration, your team can view, track, and act on insights within familiar systems, ensuring streamlined maintenance execution without complexity.

With an open API and flexible connectivity, your asset data remains secure and fully accessible, making it easy to connect with other business systems or analytics tools. This ensures clear visibility, informed decision-making, and operational efficiency across your organization.

## SUPPORTING 450+ PLATFORM CONNECTIONS:



## OUR INTEGRATION FEATURES INCLUDE:



### REAL-TIME ANALYSIS

ATS condition monitoring experts monitor machine data to catch issues early.



### ACTIONABLE INSIGHTS

Insights are translated into actionable recommendations.



### AUTOMATED WORK ORDERS

Securely integrated, recommendations become CMMS work orders.



### FASTER ACTION, GREATER IMPACT

On-site teams prioritize and resolve critical issues effectively.

## KEY BENEFITS



Streamlined Maintenance Workflow



Optimized Alert Management



Enhanced Operational Efficiency





# Building Value from the Plant Floor Up

FROM REDUCED DOWNTIME TO SMARTER MAINTENANCE STRATEGIES—ATS DRIVES RESULTS.



**3xROI**  
GUARANTEE

We stand behind our technology and services with a commitment to measurable value. Want to see how the numbers stack up for your operations? Talk with an ATS representative to walk through the ROI model.

## MEASURED SUCCESS ACROSS INDUSTRIES:

**32x ROI in  
First 90 Days**

CPG Manufacturer

**35 Hours Downtime  
Avoided in 1 Month**

Heavy Equipment  
Manufacturer

**1,600+ Hours of  
Downtime Avoided**

Building Products  
Manufacturer

**Over \$112K Saved In  
Parts and Materials**

Automotive  
Manufacturer

**\$900K Saved With  
Maximized Availability**

Packaging  
Manufacturer

**Nearly 100 Hours of  
Downtime Avoidance**

Wire & Cable  
Manufacturer

# Seamless Onboarding, Expert Support.



## GETTING STARTED

Implementation begins with an onsite asset walkdown conducted by ATS Solution Development Executives and the plant maintenance team. This assessment informs sensor placement and an onboarding plan tailored to site priorities. Support during this phase includes:

- Assigned Customer Success Manager and Account Manager
- Customized implementation strategy
- Streamlined communication from kickoff through launch



## INSTALLATION & TRAINING

Sensor deployment is completed by ATS-certified installation technicians, following a site-specific technical alignment plan to ensure compatibility and performance. Training resources include:

- Personalized dashboard and program orientation sessions
- Hands-on platform training for site users
- Full access to the ATS machine health monitoring knowledge base, including how-to articles, videos, and Certified Monitoring Expert (CME) scheduling



## ONGOING SUPPORT

Each customer is supported by a CME, along with their Customer Success and Account Managers. Engagement continues beyond go-live with a focus on daily operations and long-term value. Ongoing support includes:

- Monthly/biweekly meetings with plant personnel to review data and address on-site needs
- Quarterly reviews with plant leadership to align on performance goals and measurable outcomes
- Rapid support available—CME meetings can be scheduled directly through the knowledge base

“

**ATS’s biweekly meetings provide clear answers, highlight failure points and explain what’s happening.** Communication is timely, with reminders and quick responses.

— Maintenance & Engineering Manager, Leading Paper & Pulp Manufacturer

”



# Take the Next Step in Reliability

Machine health monitoring is just one part of a smarter maintenance strategy. ATS offers a full suite of solutions designed to improve asset reliability, reduce downtime and extend equipment life.

## INDUSTRIAL MAINTENANCE



### Comprehensive Maintenance Solution

A turn-key program that resolves maintenance and operational challenges to improve asset performance.



### Technical Workforce Solution

We supplement your operations with skilled, multi-craft technicians and on-site technical supervisors at all levels of expertise and across multiple disciplines.



### Short-Term Support & Projects

Short-term support to fill your workforce gaps when needed due to increased production, staff shortages or additional project work.

## INDUSTRIAL PARTS



### Storeroom Management

A robust parts management solution that staffs your storeroom with skilled personnel to optimize your plant's productivity.



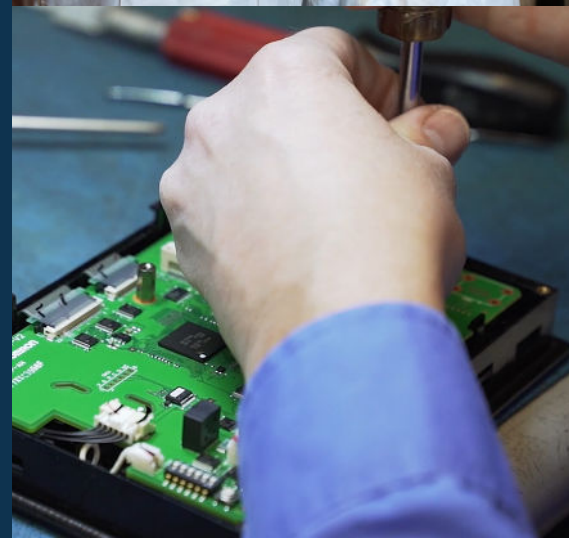
### Repairable Parts Management

A strategic approach for repairable assets to proactively eliminate waste, reduce costs and optimize your manufacturing performance.



### Part Repair, Surplus & New

We provide electronic and mechanical parts repair at our state-of-the-art, ISO 9001 and ISO 17025, accredited service center.



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