

HOW UTILIZING SENSORS CAN BENEFIT YOUR MANUFACTURING OPERATION

The rising usage of IIoT sensors comes from an ongoing need among industrial manufacturers to prolong equipment life and lower costs without sacrificing efficiency.

WHY SENSORS?

75% of manufacturers surveyed plan to retrofit at least **20%** of their assets with sensors.

And **82%** plan to leverage a sensor partner to provide data collection, analysis and actionable insights.

Utilizing sensors to monitor machine health in real time, provides predictive insights for proactive maintenance improvements.

Forrester Study, 2020

THE ROLE OF SENSORS IN PREDICTIVE MAINTENANCE

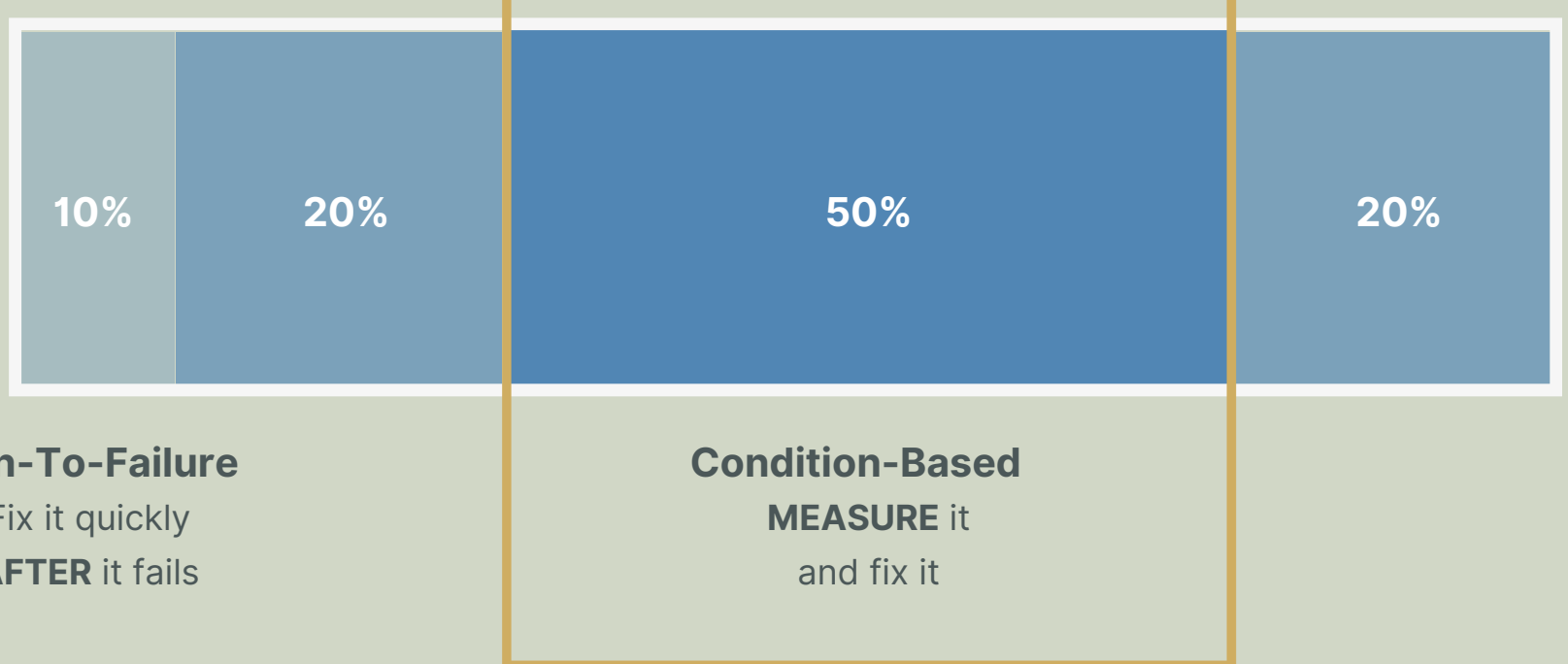
An effective equipment strategy includes all four of these realms:

Interval-Based

Fix it **BEFORE** it fails

Root Cause-Based

Don't just fix it - **IMPROVE** it



Run-To-Failure
Fix it quickly **AFTER** it fails

Condition-Based
MEASURE it and fix it

PLACE SENSORS WHERE THEY MATTER MOST

You can monitor anything, but where are the most valuable areas to place sensors?



Safety Hurdles



Critical Assets



Chronic Failures



Accessibility Constraints

CASE STUDY SPOTLIGHT



Sensor Implementation: A leading building products manufacturer had ATS install sensors on a critical rotating asset for a **minimal investment**.

Alerts Future Failures: The vibration sensors provided early indication of pillow block bearing degradation and fouling from process.



Improved Performance & ROI: Numerous proactive corrections avoided downtime due to failures and **reduced machine vibration nearly 69%**.

Overall, ATS provided the manufacturer an **initial cost savings of \$158,000 resulting in a 440% ROI!**

Interested in the **ATS Machine Monitoring System?**
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