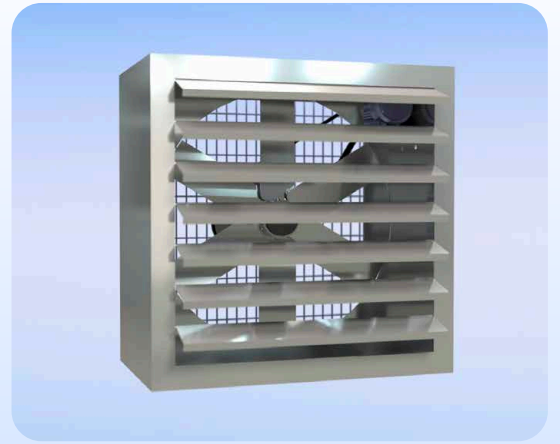


When air is essential: The digital solution for your fans.

Many problems in industrial fans develop gradually. Bearing and shaft wear, aerodynamic changes to the rotor, and thermal overload often go unnoticed for a long time. Our diagnostic services help prevent efficiency losses and unplanned downtime.



The Hidden Risks Within Your Operation

What goes largely unnoticed during normal operation can become a problem at a critical moment. Creeping imbalances, hidden bearing wear, and invisible material damage develop unnoticed until performance, efficiency, and availability are suddenly at risk.



Increasing bearing and shaft problems

Continuous loads, dust, temperature fluctuations, and misalignment lead to increasing wear on bearings or shafts. Inadequate lubrication or overheating also jeopardize operational safety, usually without any audible warning.



Imbalances & aerodynamic changes

Dirty or damaged rotor blades alter the airflow. The result: increased vibrations, reduced efficiency, and higher mechanical stress.



Electrical & thermal overload

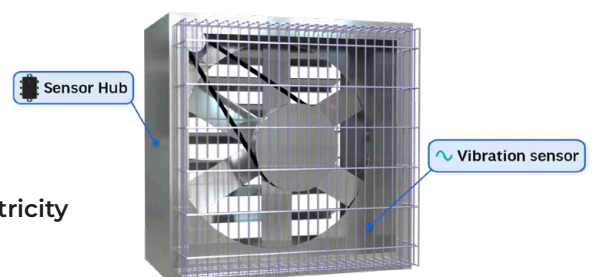
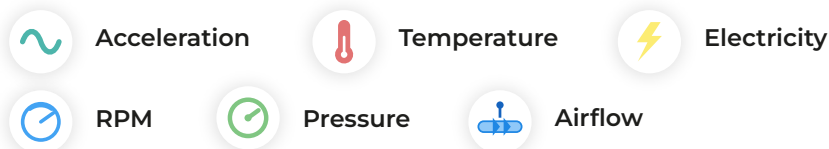
Clogged filters, blocked airways, or shifted load points drive up power consumption and engine temperature, often long before the engine shuts down.

Our Solution

We listen to, monitor, and understand your fan.

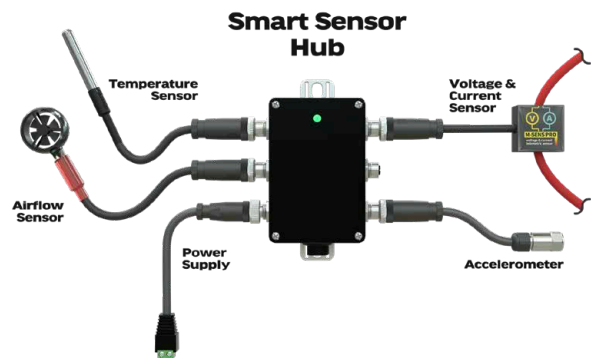
We collect and combine extensive operational and condition data to provide comprehensive condition monitoring, and we integrate our maintenance solution into your system on a customized basis.

Possible sensors



Detectable damage

Imbalance, bearing damage, loosening, misalignment, belt damage, resonance, lubrication problems, overload, blockages, phase errors, rotor faults, contamination, slippage, control errors, filter clogging, flow errors, power loss, leakage, inefficiency



Risks become predictability

Early detection prevents disruptions at airports, terminals, and security checkpoints. Smart sensors and AI turn critical changes into actionable measures.



Detect imbalance early

Through continuous vibration monitoring, sensors detect even the slightest changes in running behavior. AI-powered analyses identify imbalances early on, before vibrations cause damage to bearings or structural components.



Preventing bearing damage

Temperature, vibration, and condition data reveal early signs of bearing wear long before a failure occurs. This allows for targeted maintenance planning and helps prevent unplanned downtime.



Increase security and transparency

Changes in operational behavior serve as early warning signs of erosion, deposits, or corrosion. Our solutions provide you with clear recommendations for action before efficiency losses or damage occur.

Find the right solution with our workshop

Getting started with predictive maintenance often raises many questions. What should be monitored, which technologies make sense, and is it even worth the effort? **Our workshop** will help you answer these very questions and find a clear direction for your project.



Machine & Plant Workshop

Let's work together to design the best predictive maintenance solution for you.



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