Success Story

Preventing Shutdowns and Equipment Damage with SensoNODE

The Problem

A customer that operates an aluminum forming business in the automotive industry runs 16 lines daily, three or four of which would consistently overheat and shutdown, costing thousands per minute in downtime. Access to equipment and Hydraulic Power Units (HPUs) depends on whether they are located inside the security barrier, making maintenance a challenge.

If the hydraulic fluid gets too hot (up to 130°F), the internal heat exchanger shuts down the machine. The company used fans to keep the equipment cool, but sometimes would have to risk disabling the exchanger's sensors. If lines moved too slowly, workers would increase the pressure of the hydraulic fluid to speed them up, creating additional heat.

and delivers the information to your mobile device.

The Solution

To eliminate shutdowns, the customer needed a solution to accurately monitor the internal temperature and pressure of hydraulic equipment to:

- Better optimize the heat exchanger temperature
- Quickly identify and diagnose pressure issues

Using wireless SensoNODE™ Blue Sensors (10 temperature and 10 pressure) with the Voice of the Machine™ Mobile App technology, workers instantly viewed the data they needed without having to manually check asset conditions, including those that require a shutdown.

Two humidity sensors in the Coordinate Measuring Machine (CMM) room allow workers to keep the air dry and clean.



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SensoNODE™ Blue is Parker's series of Bluetooth-powered sensors. Compact, energy-efficient, and	ре
wireless, they are designed to provide simple and useful solutions for diagnostic and condition monitoring	sh
applications. SensoNODE Blue Sensors monitor assets to help predict problems and prevent downtime,	0.

Optimized heat exchangers to keep machines running.

Success Factors

Stopped "workarounds" that caused performance issues.

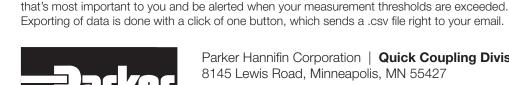
Reduced planned downtime and increased productivity.

Customer Value

Security barrier doesn't limit echnician's ability to analyze equipment performance, minimizing planned shutdowns.

Eliminated emergency shutdowns and improved equipment performance.

SensoNODE Blue Sensors and Voice of the Machine™ Software give workers the ability to monitor asset conditions, efficiently perform diagnostics, and trend asset history for preventive maintenance efforts. The customer plans to add more SensoNODE Blue Sensors to its network, eventually working up to 100-150 sensors.



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Voice of the Machine™ Mobile App gives access to machine and process measurements right

on your mobile device. The user-friendly interface makes connecting to sensors uncomplicated and

measurements easy-to-read. With customizable dashboards and alarms, you can focus on the data