

Success Story

Supplied Air Line Quality

The Problem

Assets and infrastructure components placed out of reach sometimes fall victim to the 'out of sight, out of mind' problem. Left unmonitored, these assets can have issues caused by in-line and ambient conditions.

In the case of lines that supply compressed air to assets throughout the facility, leaving issues unresolved can have a damaging impact on other assets over time, leading to unplanned downtime and high repair costs.

Humidity can lead to excessive moisture in the air line that, when unchecked, will be distributed to all connected precision measuring equipment. This leads to reduced product quality and, over time, equipment damage, downtime, and additional repair costs.

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

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 that's most important to you and be alerted when your measurement thresholds are exceeded. Exporting of data is done with a click of one button, which sends a .csv file right to your email.

The Solution

Parker's solution was to install a SensoNODE™ Blue Humidity Sensors at the dryer line to easily monitor the humidity levels in the air line. Pairing SensoNODE with the Voice of the Machine™ Mobile App allowed maintenance staff to observe the recorded data wirelessly with a mobile device. Monitoring the sensor's readings periodically allowed maintenance staff to notice rising humidity levels and respond accordingly.



Success Factors

Direct, accurate monitoring of air line humidity with immediate or historic data trends.

Advanced condition monitoring to identify and resolve issues before they escalate into problems that lead to downtime and equipment damage.

When used with the Voice of the Machine Mobile App, user-defined alarms warn of dramatic changes in humidity levels with alerts appearing on a user's mobile device.

Customer Value

Allows maintenance staff to address potential humidity-related issues before they result in downtime and equipment damage, saving companies the associated labor and inventory costs, as well as lost revenue.



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