

# Success Story

## Monitoring Pressure of Pot Carrier Vehicles

### The Problem

Pot carriers are used for transporting and dumping slag. When these large machines are not working properly it usually takes at least two technicians to diagnose and find the issue, one of whom is usually working underneath the vehicle. This can put a technician in an inconvenient and potentially dangerous situation.

Diagnostics usually require the use of wired condition monitoring systems which can be difficult to use with mobile equipment. Excessive wiring can get wrapped or pinched in a mobile asset's moving parts. The service technicians were looking for a better and more efficient way to service these vehicles.

### The Solution

SensoNODE™ Blue Sensors and the Voice of the Machine™ Industrial Mobile App allowed the technician to apply the pressure sensors to multiple ports and then work from the cab using his iPad while running the hydraulics and validating system pressure. By eliminating the need to install and remove each wired sensor, this solution reduced the time to find the issue. It also removed the second technician from a dangerous situation.



**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 monitors assets for changes in pressure, temperature, and humidity to help predict problems and prevent downtime, and delivers the information to your mobile device.

**Voice of the Machine™ Industrial Mobile App** allows users to connect their mobile devices to the SensoNODE sensors and receive diagnostic data and analytics. The Voice of the Machine Industrial Mobile App compiles the data and presents it in a way that makes sense to a user's operation, allowing them to track data in real-time and also review historic trends.

### Success Factors

Direct, accurate monitoring of line pressure with real-time or historic data trends.

Reduced time diagnosing issue allowing technicians to get equipment back and running quicker.

### Customer Value

Allows maintenance technicians to diagnose issues with their asset's pressure lines more easily and in less time, reducing labor and inventory costs, as well as lost revenue associated with downtime.



Parker Hannifin Corporation | **Quick Couplings Division**  
8145 Lewis Road, Minneapolis, MN 55427

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