



April 13, 2022

PRESS RELEASE

IOT PLATFORM CAPTURES DATA FROM NEARLY ANY LEGACY MACHINE TO SIMPLIFY THE MOVE TO INDUSTRY 4.0

Banner Engineering's Snap Signal line enables users to harvest machine monitoring data without disturbing existing controls

MINNEAPOLIS — (Business Wire) — Industrial automation manufacturer, [Banner Engineering](#), introduced a new IIoT product line — Snap Signal — that captures data from nearly any industrial machine's device and converts it to a common protocol, enabling an upgrade to Industry 4.0 and higher productivity.

[- Skip to Multimedia press release -](#)

Monitoring industrial equipment can be difficult. End users may not have access to PLCs that contain data, or may not want to risk altering these systems. Machine components, like sensors, rarely speak the same language. This makes it challenging when a manufacturer wants to start monitoring their equipment to gain more insight into machine performance. Snap Signal products can be used to build a brand-agnostic IIoT platform that's composed of modular hardware and software. The system can capture and convert machine signals and protocols, such as Modbus, Analog, Discrete, Serial, or IO-Link, among others.

A Snap Signal platform can capture both condition- and process-monitoring data from existing devices such as sensors, motor controllers, and lights by using a splitter connection to monitor the signals. When used in this way it's called an "overlay network," meaning signals are captured without having to disturb the existing control infrastructure, reducing both the time to deploy it, and overall risk.

Data can be sent to various locations, including a cloud dashboard or SCADA system, which enables remote monitoring, or to other PLCs and HMIs. The solution is highly scalable and allows facilities to pilot an IIoT project by monitoring just one sensing point. This approach of starting small helps manage costs and prove future ROI with real data from the pilot. The Snap Signal portfolio includes, signal converters, wireless networking, IO-Link masters and hubs, and an industrial controller, all of which use industry-standard M12 connectors for simple installation. An optional cloud data platform, Banner Cloud Data Services, is available for users who do not have a dashboard solution already in place.

"Manufacturers are seeking a move to IIoT to increase productivity," says Banner Director of Global Business Development, Luke Karnas. "They need data on the process improvements they're making. Instead of having workers walking around writing numbers on clipboards, Snap Signal sends data from machines 24/7. It can be implemented at any point along your data flow chain, and it can take the complexity out of a move to Industry 4.0."

Application Examples

View application examples to see how Snap Signal can be used to unlock facilities' potential:

- [Vibration Monitoring System](#)
- [Adding IIoT with Ease](#)
- [Monitor Conveyor System & Set Alerts in The Cloud](#)
- [Increase Injection Molding Productivity](#)
- [Temperature Data to The Cloud](#)

- For six [more applications](#), follow link and scroll to page bottom.

Banner Engineering manufactures industrial automation products that include sensors, LED lights and indicators, machine safety components, and industrial wireless devices. These products help produce the cars we drive, the food we eat, the medicine we take, and many of the things we touch every day. Headquartered in Minneapolis since 1966, Banner is an industry leader with over 30,000 active products, operations on six continents, and over 5,500 employees, factory and field representatives, and application engineers. Every 3.5 seconds a

Banner product is installed somewhere in the world. Online at: www.BannerEngineering.com

###

Snap Signal is a registered trademark of Banner Engineering Corp.

Media Contact:

Joe Hiemenz

JHiemenz@BannerEngineering.com

763 - 595 - 3773