

# WHAT TO DO WITH ALL THAT DATA?

## How to Derive Actionable Data from 500,000 Data Points per Month

Over the past few years, the strain gauge monitoring team at Pillar Innovations has been responsible for collecting, aggregating, and distributing actionable data from remote sites located across West Virginia, Ohio, and Pennsylvania. These sites stream near real-time data about critical assets to our centralized web application, FieldServices.io, which is responsible for sorting through thousands of records per day.

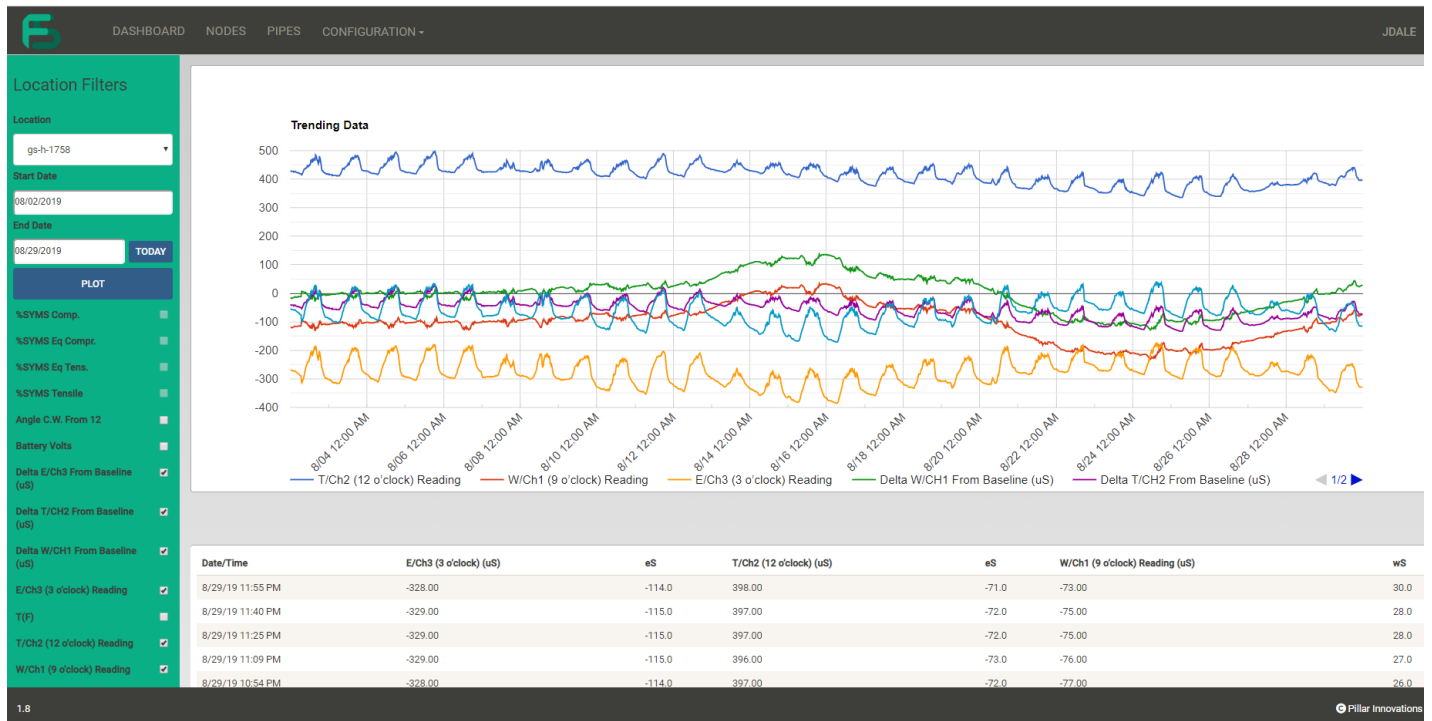
FieldServices.io provides a detailed overview of all managed sites and makes information available to customers via desktops, tablets, and smartphones. Using SMS and email alerts, you can spend more time focusing on critical tasks and less time staring at screens.

### Actionable Data:

- Information that is accurate, organized, of high quality, and accessible when needed
- Information resulting from the aggregation and distillation of a much larger data set
- Information attained through clearly-defined business goals and appropriate analytics in big data environments

### Tips for Doing More with Data:

- Use a web app that works well on any device so you can access your data from anywhere
- Take advantage of normalization, averaging, and smoothing algorithms to reveal your data trends
- Use appropriate data visualization techniques to effectively and efficiently present the data
- Configure SMS and email alerts for a more hands-off approach



# TAKING THE NEXT STEP

## Moving from a Reactive to a Proactive Facility

If unexpected downtime and chaotic execution of work responsibilities plague your facility and staff, you need to convert from reactive to proactive management. The first step in becoming a proactive facility is to put a system in place that can collect useful data such as vibration and temperature.

Once your system is collecting meaningful data, it's important to have a simple and straight-forward way to monitor your facility and alert your team if there is an issue. We provide an easy-to-use dashboard, hosted on our web-based platform, to help sort and visualize data in a way that can be efficiently acted upon.

Many teams stop here - analyzing the collected data to send teams out to troubleshoot issues, adjust alignments, and grease bearings. This is useful and can provide cost savings of up to 18% and minimize downtime of critical equipment, but more is possible.

The next step is learning how to leverage the hundreds of thousands of data points that have been collected to predict machine maintenance schedules, automate component procurements, generate work orders, and achieve an even greater cost savings while spending less time looking at a screen.

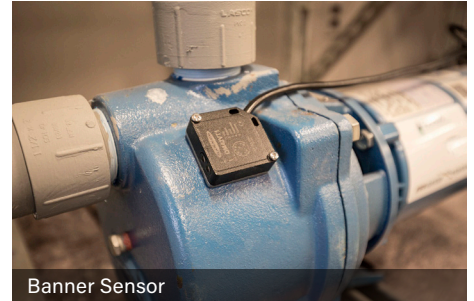
### What are your goals for implementing a new technology?

- Reducing Downtime?
- Increasing Productivity?
- Preventing Critical Failures?
- Creating a Safer Workplace?

Whatever your goals may be, your team can enjoy more success as you switch from a reactive to proactive approach. Using data available from our IoT solution, our customers are able to run equipment longer with less unscheduled downtime. Find out what Pillar can do for you.

### For more information:

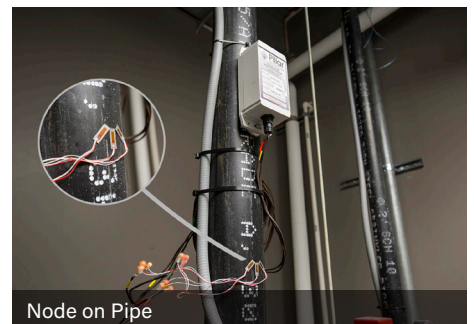
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Banner Sensor



Radio with Alarm Indicator  
Vibe/Temp Sensor Block



Node on Pipe