

# WHAT TO DO WITH ALL THAT DATA?

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

Over the past year, 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 and Pennsylvania. These sites stream near real-time data about critical assets to a centralized web application responsible for sorting through thousand of records per day.

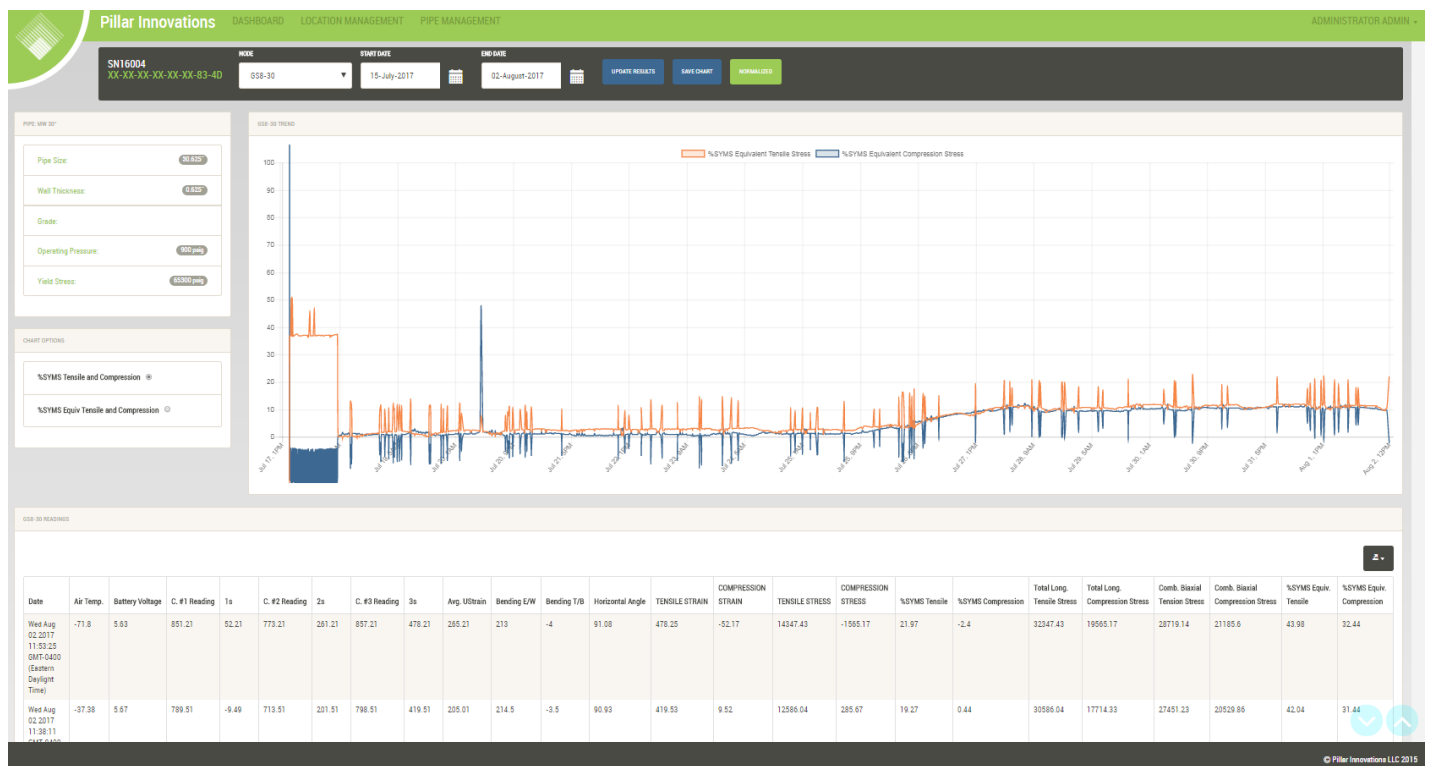
Using our own progressive web application - FieldServices.io - our team has a birds eye view over all of the sites we manage and can share information with customers via desktops, tablets, and smartphones. Using SMS and email alerts, we spend more time focusing on critical tasks and less time staring at screens.

### Actionable Data:

- Information that can be acted upon
- Information resulting from the aggregation and processing of a much larger data set
- Information attained through analytics or data visualization 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 sort your data
- Use data visualization techniques to get the best look at a glance
- Sign up for SMS and email alerts for a more hands-off approach



# TAKING THE NEXT STEP

## Moving from a Reactive to a Proactive Facility

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 sensors.

Once your system is collecting actionable data, it's important to have a simple and straight-forward way to alert your team if there is an issue. We provide HMI integration along with our web-based platform to help sort and visualize data in a way that can be easily understood.

Many teams stop here - analyzing the collected data to send teams out to troubleshoot issues, adjust alignments, and grease bearings. This is useful and a system can provide large cost savings and prevent downtime at this stage.

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

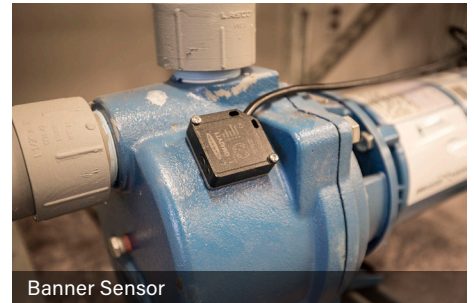
### What are your goals for implementing a new technology?

- 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 a proactive business. Using data available from an 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