

# THE POWER OF YOUR DATA

## Increase Your Plant's Potential

Are you taking advantage of your data? Collecting information about your operations improves your processes, helps you analyze your efficiencies, and grows your business. Our industrial analytics experts can help turn your data into action.

### Turn Your Data Into Actionable Steps

- ✓ Collect process and transactional data
- ✓ Track historical trends
- ✓ Produce real-time reporting
- ✓ Monitor your ongoing progress

### Revolutionize Your Operation



Data Integration & Management



Data Storage



Custom Solutions



Evaluations & Visualizations



Analytics

### The Process What You Can Expect

The Interstates Method	Case in Point
<b>1 Discovery</b> Determine goals and identify key pieces of information.	A pig feed producer wants to make more feed at their plant in the same amount of time. They have an idea of what is slowing their process, but they aren't sure.
<b>2 Collection</b> Gather needed data to address identified goal.	Interstates gathers data through various devices around problem areas and stores it in a database for analysis.
<b>3 Analysis &amp; Improvement</b> Estimate improvement costs, measure results, and calculate return on investment (repeat).	Interstates analyzes the data and produces recommendations for change based on the expected return on investment, helping the pig feed producer make more products at little cost.

### What is the Value of Industrial Analytics

- | Material Management
- | Preventative Maintenance
- | Inventory Management
- | Quality Control
- | Energy Efficiency
- | Process Efficiency
- | Product Monitoring
- | Forecast and Predictive Capabilities

## The Value of Real-Time Information

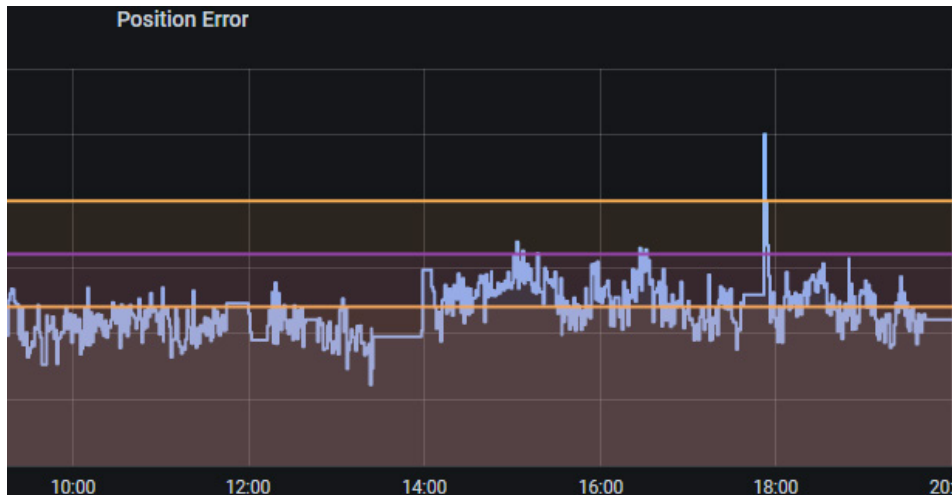
When used appropriately, information on the plant floor can provide intelligence to help you improve efficiencies, streamline operations, and save money. At Interstates, we understand the power of your data. Our industrial analytics team has over 70 years of combined industry experience, turning manufacturing plant potential into reality through improved accuracy and timeliness in data collection, control, and analysis.

By collecting real-time and transactional data through historians and other tools, you'll get valuable reports and dashboards developed to manage all your manufacturing needs effectively. Continuous process improvement through data collection and process analytics is essential to gaining a competitive advantage in the manufacturing industry.

### How We Work

## Turning Data Into Action

The graph below is a control chart depicting the pattern of a vacuum tag of a discrete production process. This chart highlights continued data points that vary from the control limit. A yellow dot appears if a point is off the control limit for seven consecutive observations. This type of chart gives operators a quick view of a process over time.



## The Best Tools for the Job



### Integration

- | DataGrabber
- | deviceWISE
- | KNIME
- | Node Red



### Management

- | FactoryTalk Historian
- | Influx DB
- | MS SQL Server
- | OSI PI



### Visualizations

- | Grafana
- | Power BI
- | Spotfire
- | Tableau



### Customization

- | Javascript
- | Python
- | R

## Ready to Get Started?

If you're ready to find the power in your data, contact our experts to help guide you through the process. We'll help you find the best solution for your facility.

<https://www.interstates.com/solutions/consulting-services/industrial-analytics/>



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