

CUSTOMER STORY

Chemical Manufacturer for Food Ingredients

This manufacturer wanted to increase predictive maintenance and uptime, decrease labor costs, have more insights, and maintain asset health. They were a good prospect for an alternative solution because they had a lot of failures and were looking for a Condition-Based Monitoring solution.



Our Condition-Based Monitoring Approach

We started by performing a cost savings analysis—showing the customer that they can have great insights into their data while being able to eliminate much of their existing Preventative Maintenance (PM) programs.

Their trial program:

- 75 sensors across 28 assets
- A gateway
- Seven repeaters
- AMS Machine Works
- Professional services and installation
- Monthly vibration analysis reports



Trial

75 Sensors
Across 28 Assets



Value

Avoid a Catastrophic Failure,
Machine Health Insights



Expected ROI

1-2 Months



Rollout

200 Sensors Across
100 Additional Assets

Value From Day One

During the trial, we caught a bearing defect in one of their motors. This came about because one of our sensors detected a trending failure mode. The customer's technicians took it offline and found a stress crack. If neglected, it would have led to a catastrophic failure—the motor would have either stopped working or could have torn itself apart.



CUSTOMER STORY: Chemical Manufacturer for Food Ingredients

Thanks to our PeakVue™ software, which can detect micro-stress cracks and lubrication defects (lack of or over lubrication) up to 6 months before a functional failure, a crisis was averted. An added value is that the customer can decide how to plan for this either before or during their next planned outage.



Emerson Impact Partner



Control Associates is a provider of process control systems, valves, actuation, instrumentation, regulators, relief valves, asset reliability, systems integration, manufacturing execution systems, and data management solutions for industrial and commercial customers in the tri-state metropolitan New York, New Jersey, and Connecticut region. Our unique long-term partnership with Emerson and other leading manufacturers enables us to connect customers with innovative technology, engineering expertise, and 24/7 lifecycle support services to optimize the reliability, safety, profitability, and performance of their operations. Our 40,000 sq ft facility is 20 miles from Manhattan, offering local services and support.