AUGURY

From Unexpected Breakdowns to Predictable Performance:
Atlas Energy Solutions Maintenance Transformation



Background

The Atlas Energy Solutions facility in Monahans, Texas produces industrial sand, a critical material for many industries like energy and construction. However, given their remote location, they have to rely on staffing to travel in every few weeks to complete critical work.

Historically, unexpected downtime to make repairs on their critical equipment (conveyors, pumps, etc.) periodically resulted in adverse operational impacts.

Now, they are able to anticipate, plan, and execute their repairs, using machine insights from Augury and their diverse skill set.

Challenge

Reactive maintenance demands: Like most facilities in fast-paced production environments, the team prioritized keeping operations moving above all else. Without early warning systems for developing issues, maintenance work happened when equipment demanded immediate attention—disrupting schedules and creating urgency around parts and repairs.

Flying blind on equipment health: Without proper monitoring, critical fans and motors gave no warning before failing, creating emergency repairs that disrupted production schedules and impacted sales.

Technology without adoption: The team's focus on immediate production needs meant the predictive capabilities remained untapped.

Solution

The maintenance team moved from reactive to predictive by actively monitoring equipment health, catching issues weeks before failure, and scheduling repairs during planned downtime—**protecting the bottom line from lost sales.**The team now detects problems they can't see, hear, or feel, converting emergency scrambles into planned work with parts ordered at standard prices, within budget. Richard Calhoun, the site's reliability engineer, trained skeptical supervisors to understand the data, proving accuracy through successful catches, building such confidence that the team now plans maintenance weeks ahead instead of letting equipment drive the schedule.

Atlas Energy Solutions

Achievements

$368K
Costs Avoided

131
Hours of Downtime Reduced

87%
Response Rate

"

We're not just reacting anymore - we're anticipating, planning, and executing precisely. We catch things early, get the right parts ordered, and schedule work on our terms. This is the way maintenance & reliability should be done.

Richard Calhoun
Reliability Engineer

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The Journey: Building a Culture of Prevention

When Richard joined Atlas Energy Solutions, Augury sensors were installed but underutilized—the team operated in a run-to-failure mode common throughout the industry. Richard earned his CAT I certification and began investigating every alert. His first major win—finding missing bolts invisible to the naked eye—proved the technology's value. By partnering with supervisors to review data after each success, he gradually converted skeptics into believers. Today, the maintenance team proactively checks alerts and schedules repairs weeks in advance, transforming Atlas Energy Solutions into a model for data-driven reliability.

Keys to Altas Energy Solutions Success

Leadership created the conditions for success
Management empowered Richard with the autonomy to champion the program while building workflows and accountability that enabled the team to embrace a better way to work.

Ownership drove results
Richard took full ownership—learning to maintain sensors, earning CAT I certification, and investigating every alert—while teaching supervisors to understand and trust the data.

Continuous improvement mindset
The team documents every win to prove ROI, combines Augury insights with complementary tools like laser alignment, and constantly seeks the next opportunity to leverage their data.

Looking Ahead

The Atlas Energy Solutions transformation proves that technology alone doesn't drive change—ownership does. With Richard leading continuous improvement and the team fully bought into data-driven decisions, the facility has moved from fighting fires to preventing them. As Richard puts it, they're "always looking for the next opportunity to leverage our data," positioning Atlas Energy Solutions to maintain their competitive edge in a demanding market.

> This isn't just about maintaining equipment. It's about constantly improving how we work and driving excellence across everything we do.
>
> **Richard Calhoun**
> **Reliability Engineer**

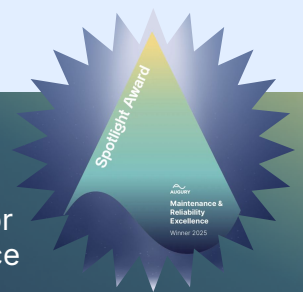
About Augury

A leading Industrial AI company, Augury helps manufacturers leverage real-time production insights to proactively address alerts, minimize downtime, reduce asset costs, and maximize yield and capacity. Combining predictive and prescriptive AI technology with industry expertise, our customers achieve payback in six months or less.

Spotlight Award Winner, 2025

Atlas Energy Solutions Monahans facility in Texas earned the 2025 Spotlight Award for Maintenance & Reliability Excellence. The team revitalized their predictive maintenance program through dedicated ownership and training—preventing failures, reducing costs, and empowering data-driven decisions across the operation.

This award recognizes the top 5% of facilities for machine health excellence based on fast alert response, robust technical infrastructure, strong team adoption, and measurable results.



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