# Two Looming Failures Stopped Within Two Weeks of Monitoring

# **Aspen Mtell** identified 2 previously undetected equipment issues.
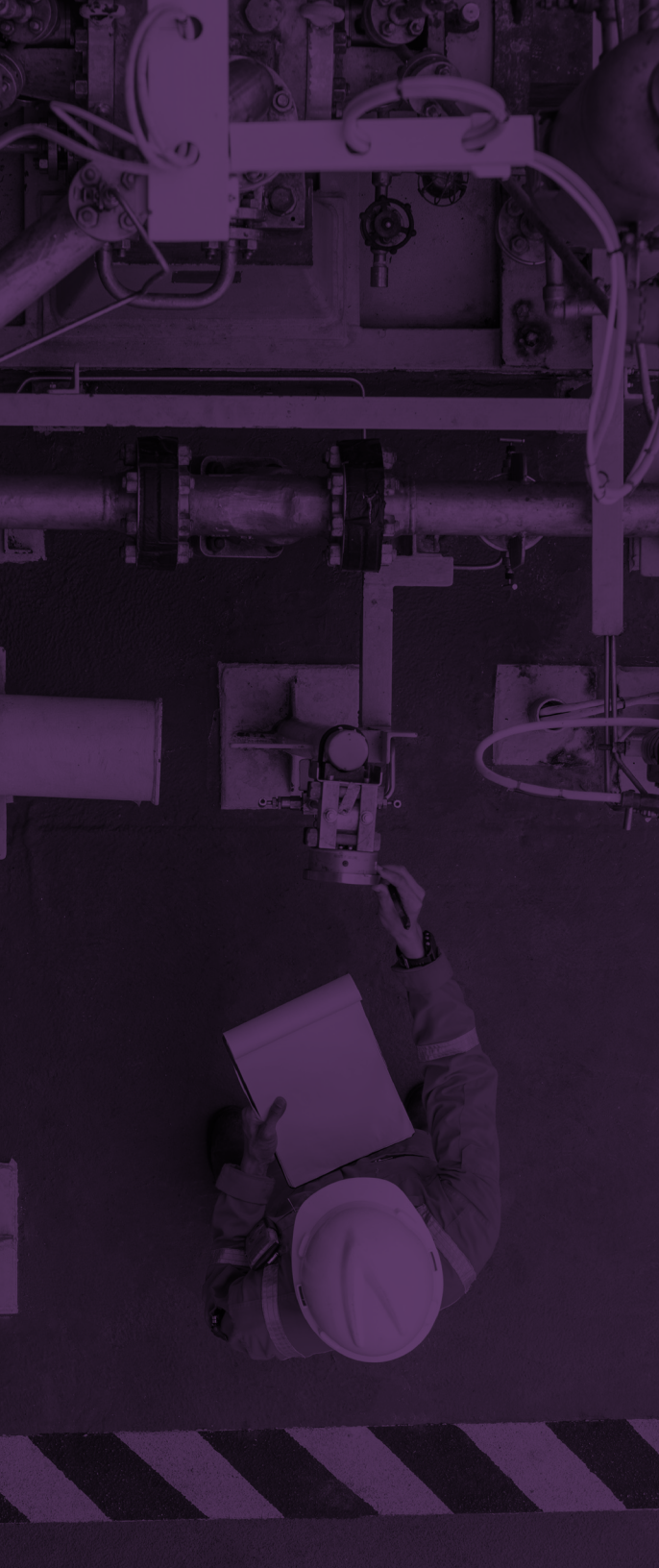
## CHALLENGE

A mining company was seeking a step change in how to proactively handle reliability issues for critical equipment

## SOLUTION

A straight to online solution delivered faster time to value using data already in hand. Aspen Mtell® caught two potential failures when deployed on 12 assets during the short online pilot.

## BENEFITS

- Planned downtime of critical equipment saves money over unexpected outages

- No offline pilot meant faster time to value

- No need to install additional sensors or collect additional information prior to pilot thanks to Aspen Mtell's overall process approach rather than asset-specific focus.

**Executives were looking for a step change in their approach** to reliability at their facilities. Prior efforts with solutions like Smart Signal had not provided the benefits they were seeking. Sponsors from the company were interested in Aspen Mtell and visited an installation in Botswana to see it in action.

Visiting the Botswana mine prompted the company to take a closer look at what data they were already collecting and could use to test Aspen Mtell. Next they determined that while an offline pilot would be less expensive, they had enough data to conduct an online pilot which would provide a faster time to value.

The company tested whether Aspen Mtell could detect historic asset failures. AspenTech passed the test and scored bonus points during the pilot by predicting two additional failures that would not have been caught by traditional monitoring methods. This allowed the customer to proactively plan for the maintenance and repairs, without exposure to higher downtime costs.

The company continues to monitor the initial 12 assets with Aspen Mtell, confident that any alerts that occur warrant follow up. There are plans to expand the solution to six more sites in future.

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## About Aspen Technology

Aspen Technology (AspenTech) is a leading software supplier for optimizing asset performance. Our products thrive in complex, industrial environments where it is critical to optimize the asset design, operation and maintenance lifecycle. AspenTech uniquely combines decades of process modeling expertise with machine learning. Our purpose-built software platform automates knowledge work and builds sustainable competitive advantage by delivering high returns over the entire asset lifecycle. As a result, companies in capital-intensive industries can maximize uptime and push the limits of performance, running their assets safer, greener, longer and faster.

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