

# Creating a World That Doesn't Break Down

## Industrial organizations today are experiencing



- High spares, maintenance costs, and equipment downtime despite rigorous planning and diagnostic efforts
- Financial losses due to equipment health affecting throughput, product delivery commitments and environment
- Increased focus on sustainability
- Abundance of digitalization tools that have yielded low value to date

## Aspen Mtell®

### Unlock Value from Equipment Monitoring Data



Aspen Mtell delivers the earliest, most accurate warning of equipment failures. It uses machine learning to recognize precise patterns in operating data that indicate degradation and impending failure—well before it happens. Working with AWS, Aspen Mtell provides cloud-ready environment for next-generation Industrial AI products and solutions to deliver on AspenTech's vision of the Self-Optimizing Plant.

## Key Capabilities



### Early Detection

Recognize patterns in operating data that predict degradation and impending failure – providing the first layer of protection against asset degradation.



### Augment Current Strategy with Enterprise Scalability

Using AI-assisted agent creation, complement existing maintenance strategies to quickly deploy autonomous agents, site- or enterprise-wide.



### High Accuracy with Fewer False Alarms

Using precise failure pattern recognition, avoid the high rate of false positives common with model-based solutions.



### Fast Time to Deployment

Using low-touch machine learning, rapidly identify normal and abnormal behaviors to start protecting equipment within weeks, not months.

## Aspen Technology on AWS

Scaling AI requires providing the tools, infrastructure and workflows for powering Industrial AI across the solution lifecycle. It also requires the software, hardware and enterprise architecture needed to productize AI in industrial environments, including broader collaboration between development, data science and infrastructure capabilities such as CloudOps, DevOps, MLOps and others. Working together, Aspen Technology and AWS are helping industrial organizations mature beyond sporadic AI proof-of-concepts to an enterprise-wide Industrial AI strategy.

### Features



#### Scale Predictive Maintenance Quickly

Aspen Technology embeds AI into domain-specific, fit-for-purpose applications – so you don't have to. AspenTech's AI powered machine learning solution, Aspen Mtell, monitors equipment 24/7 looking at actual behavior of the equipment through AI powered autonomous agents to retrieve early indications of potential failure. With Aspen Mtell, customers can plan maintenance proactively thereby reducing maintenance costs, increasing equipment reliability & throughput.



#### Accelerate Time-to-Value

With AWS infrastructure, get seamless, flexible data mobility and integration. Aspen Mtell allows users to transfer failure signatures across similar equipment. Scalability enables users to blanket the plant with autonomous agents for maximum equipment protection- this significantly accelerates time-to-value for industrial organizations.

### Benefits



**Reduce Maintenance Costs**

**5-10%**



**Increase Throughput**

**1-3 %**



**Increase Equipment Availability**

**1-3%**

Get started with Aspen Technology solutions on AWS

Visit <https://www.aspentech.com/en/products/apm/aspenn-tell> to learn more today!