

AI Solution for Operational Excellence



Challenges

Increase production output from existing investment

Manufacturers need to increase availability, performance and quality while capturing greater knowledge from experts for use in the right place at the right time. Problems such as unplanned downtime, unnecessary maintenance cycles, quality variations and long root cause analysis result in production loss and high scrap. Avoiding such events before they cost the business can create a huge competitive advantage.



The Falconry Clue Solution Predictive Production Operations

Falconry Clue is a plug-and-play solution for predictive production operations that identifies and addresses operational inefficiencies from operational data. It is designed to be used directly by operational practitioners, such as production, equipment, or manufacturing engineers, without requiring the assistance of data scientists or software engineers.

Falconry Clue helps you:

- Discover insights automatically from production data
- Capture knowledge and understand causes from domain experts
- Affect production positively
- Measure benefit and engagement

Benefits

Over 300% annual ROI from uptime improvement, defect reduction, and yield increase



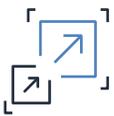
Timely, understandable alerts

Discover and understand real-time operational issues of all your plant systems.



Capture operational knowledge

Connect engineering know-how with operational performance without extensive training.



Effortless start-up & scale

Get value from the moment you plug in and a flexible subscription model.



Utility

Connect the plant to the cloud with intuitive data visualizations without need to invest in custom development.

Falconry on AWS

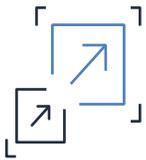
Falconry on AWS is a leading AI-enabled IoT solution for manufacturers to identify and address operational inefficiencies before they cost the business. AWS has some of the best IoT technologies such as AWS IoT Core, Amazon S3 Data Lake, and AWS IoT Greengrass to manage industrial data efficiently and Falconry has solved for the other huge challenge of providing timely, actionable insights from operational data in real-time. Together this provides operations teams with a secure, remotely managed, scalable solution to drive improvements in uptime, quality and yield, without the need for investing in data science teams or additional platform services.

Features



Secure, plug-and-play connectivity

Existing instrumentation is connected to secure cloud storage through industry standard edge gateway devices over OPC-UA and MQTT protocols using AWS IoT Greengrass, AWS IoT Core, AWS IoT SiteWise, and Amazon S3 Data Lake.



Enterprise-ready scalability

Falconry solution is optimized to run on AWS using a standards-based architecture and can be deployed both as SaaS or in GovCloud. This provides the required elasticity and scalability for manufacturing organizations.

Case Study: Top 5 bakery company



Challenges

Servo motors sometimes fail, requiring early maintenance. Current methods do not provide adequate warning.



Solution

Plug-and-play AI solution discovers novel patterns from operational data which highlight timely and reliable precursors to equipment failure.



Results

\$1.1M in savings by avoiding production loss and labor costs associated with unplanned downtime.



Stated after making successful predictions with plant operational data during 1st hour of training.

Digital Transformation Manager
Top 5 bakery company

Get started with Falconry solutions on AWS

Visit [AWS Marketplace](https://aws.amazon.com/marketplace) or www.falconry.com to purchase.