falkonry

Falkonry Clue

Predictive Production Operations

OVERVIEW

Falkonry 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 engineers, equipment engineers or manufacturing engineers, without requiring the assistance of data scientists or software engineers. Falkonry Clue helps you:

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

Falkonry Clue combines operational AI with operational expertise to generate timely and understandable alerts.

SOLUTION ARCHITECTURE

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

Real-time dashboard with contextual awareness

Displays real-time predictions of key assets and process segments in a contextually rich dashboard

Dynamic learning and maintenance

Automatically improves with continuously accumulating data and captured knowledge

Discover novel behaviors

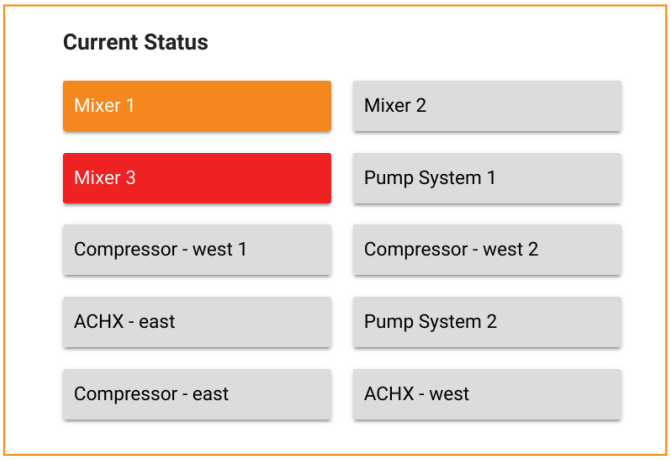
Automatically discovers patterns in multivariate asset and process operations data that are potential sources of inefficiency

Root cause analysis

Initiate and augment root cause analysis from automated explanation of important signals

Alerts with known remedy to avoid loss

Quick and early recall of known remedy at early signs of previously discovered adverse behavior



FUNCTIONAL HIGHLIGHTS

Leverages various types of operational data

- Industrial data sources: SCADA/DCS, PLC/OPC
- Time series data: sensor readings, setpoints
- Supports categorical/digital and numerical data
- Allows heterogeneous sampling rates

Directly used by plant engineers

- Plant engineers can easily judge production improvements
- No data engineers to connect and prepare data
- No data scientists required to build predictive models
- No IT specialists to put models into production

Supports predictive analysis needs

- Provide real-time visibility over produced quality
- Identify early onset of incipient damage to promote asset longevity
- Identify just-in-time maintenance needs

FEATURES (continued)

Associate real-time data with documentation of response

Associate with appropriate engineering documentation or operational workflow

Embeddable dashboard

Easily embed dashboard widgets into any web application

Reporting and analytics

Measure and review plant engagement with discovered insights and plant behavior changes over time

SSO Authentication

Integrates with SAML Identity Providers

WHY IT MATTERS

Utility

Store and visualize data without need for expensive historian technology or visualization tools

Discovery

Identify inefficiencies in production and quality before they cost the business

Capture

Record tribal knowledge for ease of application and transfer among team members