Operational AI: The bridge between Operational Technology and Operational management

Operational AI

Operational Technology

A bridge between OT and optimization at scale by providing reliability and operational excellence teams the capability to:

1. Anomalous condition discovery
   Discover anomalous conditions through pattern analysis

2. Root cause explanation
   Assist in root cause explanation for continuous equipment and process improvements

3. Early warning system
   Provide an early warning system for maintenance management

4. Event Horizon Estimation
   Provide a time estimation for critical events like failure, remaining useful life.

Operational AI

Optimization at scale

Predictive Operational Excellence

Characteristics Of Operational AI

1. Built for real world applications
2. Can be improved continuously
3. Highly scalable across assets and plants
4. Captures human knowledge
5. Facilitates knowledge transfer among operational team members

These factors allow management to translate the enterprise level operational excellence strategies into fine grained reliability, maintenance and optimization tactics to be implemented by operations teams.

Falkonry Clue

Based on the Operational AI platform: solves the challenge of how and where to start

Plug & play solution
Easily scalable
Pattern analysis
No data scientist required

Industries Served

Defence and intelligence
Pharmaceuticals
Metal and mining
Chemicals
Aviation
Oil and gas

Success Story

Ternium - A leading steel maker

Implemented Predictive Operational Excellence strategy using Falkonry’s Operational AI platform

The Process

Platform produced actionable insights for maintenance teams

Asset performance management system

Used for proactive and data-driven operational decisions like maintenance schedules and production plans