

falkonry

Predictive Operations Use Cases

Benefit of Predictive Operations

Falkonry LRS enables operations teams to leverage underutilized operations data, and provide insights that significantly improve uptime, quality, performance, or safety.



Use Cases Across Industries



Oil & Gas Operations

- Detect pre-shutdown patterns
- Early warning for off spec product



Mining & Metals Production

- Discover equipment downtime patterns
- Real-time production throughput adjustment



Power & Energy Operations

- Fault classification of power electronics
- Distributed asset monitoring



Chemical Manufacturing

- Real-time batch quality prediction
- Monitor equipment health



Semiconductor Manufacturing

- Predictive maintenance of equipment
- Optimize machine utilization



Automotive Manufacturing

- Detect deviations in discrete manufacturing
- Real-time quality estimation of welding

Downtime Reduction







Quality Improvement





Predictive Maintenance





Throughput Improvement





Safety Improvement

Oil & Gas Production

Detect and prevent dangerous emissions during drilling operations

- Problem: Volatile organic compounds (VOC) and Carbon Dioxide released during oil & gas extraction
- Cost: Loss of production and regulatory fines per incident, in addition to potential reservoir damage
- Solution: Detect patterns that precede potential emissions and provide an advance alert
- Benefit: Identify and prevent operating conditions leading to increased emissions
- **User:** Production Engineers, Facilities Engineers





About Falkonry

Falkonry is the leading provider of predictive operations for companies who are looking to achieve significant improvements in uptime, quality, performance and safety.

Falkonry's ready-to-use machine learning system, Falkonry LRS, enables operations teams to discover, predict and explain operational behaviors in real time, without requiring data scientists.

Falkonry LRS is used in many industries and can be deployed both on-premises or in the cloud.

Visit Falkonry.com to learn more and request a demo.