Smart mining operations

Automated time series AI for continuous operational reliability

Quick time to value
Automatically discovers actionable anomalies and alerts the operational users

Built for operations
Operational users diagnose and act on anomalies before they impact the production

Flexible & Scalable
No set-up and training required. Scale the AI for monitoring the entire mining value chain

Mining operators use Falkonry across value chain

<table>
<thead>
<tr>
<th>Crusher</th>
<th>Vertical Mill</th>
<th>Ore Grading</th>
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<tbody>
<tr>
<td>Problem: Mills incur high cost in lost production due to preventive maintenance (PM) cycles.</td>
<td>Fluctuations in ore grade causes blockage in mill and results in work stoppage.</td>
<td>Concentration &amp; recovery targets are missed as operators react to changes in incoming ore composition.</td>
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<td>Solution: Use equipment signals to understand current equipment condition, and schedule maintenance only as-needed.</td>
<td>Discover anomalies in operational data associated with material variations and provide alerts.</td>
<td>Analyze data from composition assay to classify ore into groups. Correlate these groups to best operating conditions.</td>
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<td>Benefit: Increase mill production uptime by reducing unnecessary maintenance periods and converting preventive to predictive maintenance.</td>
<td>Early warning allows suspect material to be tracked, grinding speed to be adjusted and downtime avoided.</td>
<td>Proactively set process parameters to match incoming ore, increasing time that circuit operates on target.</td>
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Learn more and request a personal demo on www.falkonry.com
Case study: Global mining company

Detect warning signs before Vertical Mill fails

Stage 1: Condition monitoring of equipment wear and tear to perform maintenance only as-needed

Stage 2: Classify ore groups using composition assay data to enable operators proactively set process parameters

Stage 3: Provide early warning on discovery of suspect low-grade ore to prevent vertimill blockage and shutdown

$900K annual cost saving for 1 facility

Falkonry Solution Framework

Tell us your challenge, we're here to help: Let’s Talk