How Falkonry Helped Predict Failures & Avoid Downtime

Vertical mill failure

Insufficient warning

Mill downtime

Revenue loss

Blockage in the mill

High repair costs

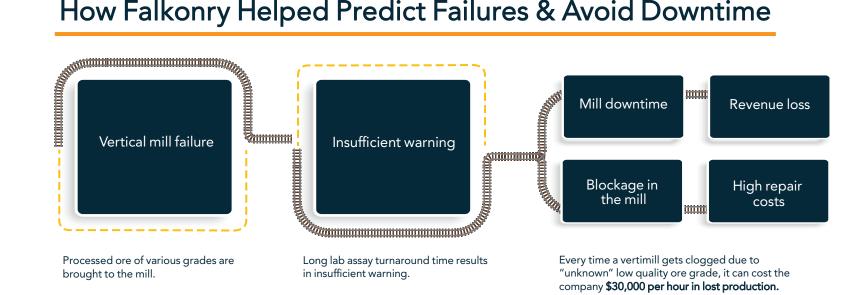**So, how to track low ore grade and avoid downtime?**

Processed ore of various grades are brought to the mill.

Variations in ore grade cause unexpected downtime due to mill blockage and results in work stoppage.

Long lab assay turnaround time results in insufficient warning.

While conventional analytics were not good as preventative warning. An early warning would allow suspect ore material to be tracked and hence **avoid downtime and high repair costs.**

Every time a vertimill gets clogged due to "unknown" low quality ore grade, it can cost the company **$30,000 per hour** in lost production.

Using Operational AI software, mine operators could realize upto **$900K of annual cost saving** for 1 facility.

Using Falkonry operational AI software, mine operators can monitor movement of low grade ore and **adjust grinding speed to prevent blockage.**

How?
Falkonry was able to recognize patterns that indicated low grade ore in different areas of the mill and provide alerts to mitigate downtime events.

Alerts by Falkonry were able to provide visibility for operators where they were "blind" before

This allows suspect ore to be tracked, grinding speed to be adjusted and downtime avoided.

$30,000/hour
DOWNTIME COST

$900K
ANNUALLY COST SAVING

NO MORE BLINDSPOTS
PREDICT PATTERNS OF ORE GRADES