razorlabs
MAKING MACHINES SMARTER

DataMind AI™

All-in-One Automated
Predictive Maintenance
Platform

USED BY — Newmont™ · NEWCREST MINING LIMITED · SIEMENS · ICL

DataMind AI™ is the next-generation predictive maintenance platform. With online monitoring, it is the only platform that provides full site coverage, ensuring that machine failures don't happen again.

We got you covered

All your predictive maintenance requirements in one out-of-the-box solution.

Fusion of all data sources
CCTV, Oil, Telemetry, Vibration

Root cause analysis & Prescriptive actions

DataMind AI™

Support of the domain experts

Full site coverage with online monitoring

CONVEYORS

1000
yearly downtime hrs

1MT
additional throughput

STOCKYARD

$47M
utilization increase

25%
reduced downtime

CRUSHERS

100
yearly downtime hrs

25+
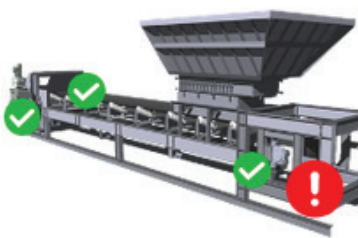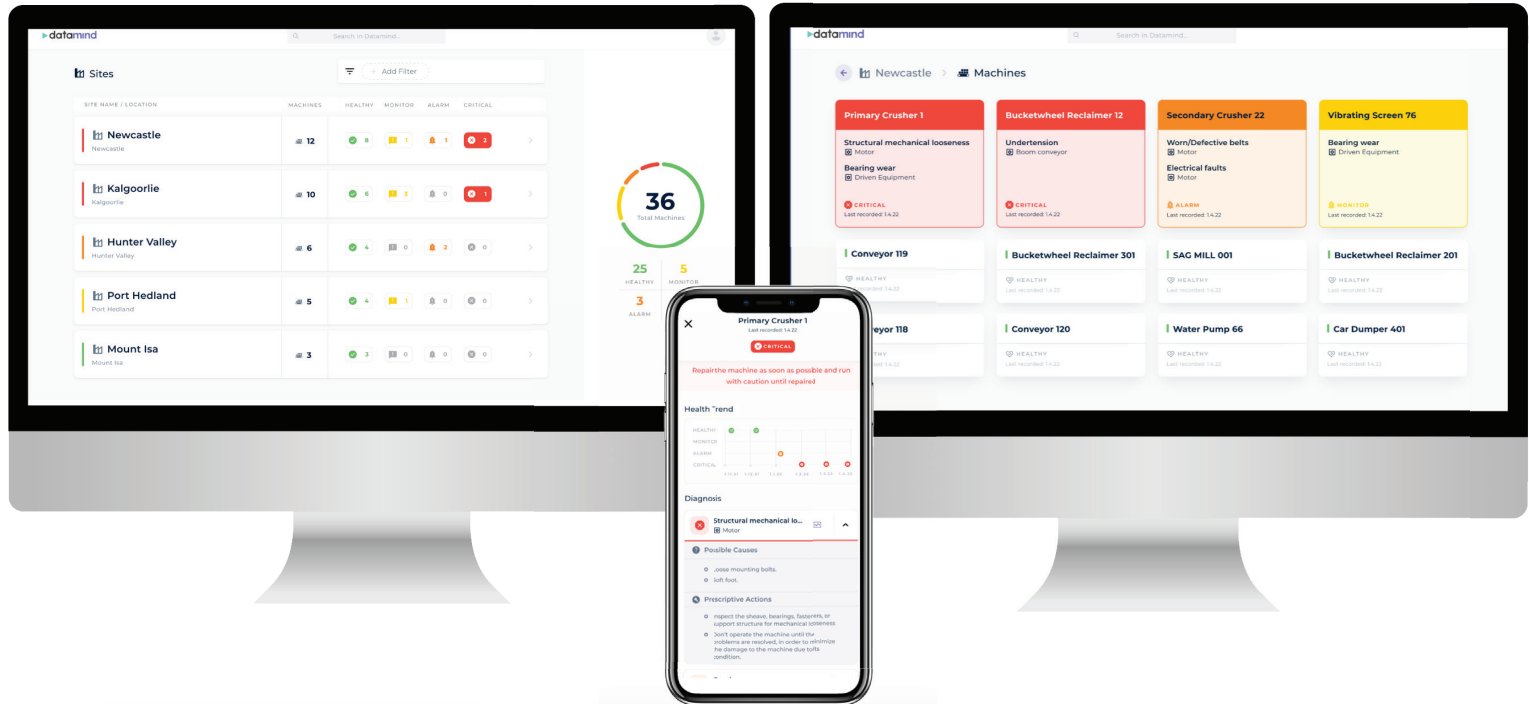blockages per year

MILLS

7.5%
increased recovery

$9.8M
increased recovery

Online monitoring and equipment visibility

DataMind AI™ is sensor agnostic and leverages all the existing data and sensors.

Any missing sensors are deployed to enable full equipment coverage.
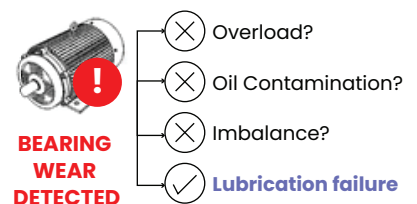

Precisely identify failures

DataMind AI incorporates >100 combined years of domain expertise in mining equipment, to specifically indicate impending failures that require attention.

Utilize the fusion of all your data sources

Unlock the full potential of the equipment data - vibration, oil, historian, telemetry, cameras and thermography. All data sources are analysed and fused under one platform.

Uncover the root cause of failures, so they don't happen again

Identify the failure underlying root causes and obtain concrete call-to-actions to resolve them to ensure efficient maintenance and lasting results.

Easy implementation for fast ROI

Define	>	Deploy	>	Scale

Define the critical equipment which accounts for the site's most substantial downtime.

Perform site survey to assess sensor availability.

Deploy DataMind AI™ sensor fusion. Leverage existing sensors and deploy the missing ones.

Integrate into BI, APM and ERP systems.

Introduce additional sites and equipment to the platform.

Launch a monitoring & diagnostic center for all global equipment.

Downtime

Over 35% decrease
in unplanned downtime by preventing failures before they happen.

Productivity

Over 20% increase
in overall productive capacity by optimizing maintenance strategies.

Costs

Over 15% reduction
in maintenance cost by monitoring exactly what and when needed.

About Razor Labs

Razor Labs' products are reshaping the mining industry from the ground up, leveraging multi-sensor fusion to transform the sea of data your machines are already generating into actionable insights.

We offer an unprecedented all-in-one automated predictive maintenance platform that eliminates unplanned downtime, boosts productivity, and protects your greatest resource - your people - by significantly improving safety.

Our solution helps reduce CO2 emissions and supports ESG goals.

Visit us at https://www.razor-labs.com

"We've focused on creating diagonal capabilities around advanced analytics, over time they've become business outcomes."

—
Gavin Wood,
CIO, Newcrest

NEWCREST
MINING LIMITED

CB INSIGHTS

One of the world's most innovative mining tech companies.

TEL AVIV STOCK EXCHANGE

Listed on the Tel Aviv stock exchange
(TASE: RZR)

Tel Aviv, New York, Perth, Brisbane