razorlabs

DataMind AI™
Unlocking Efficiency, Reliability and Safety for Mining Operations

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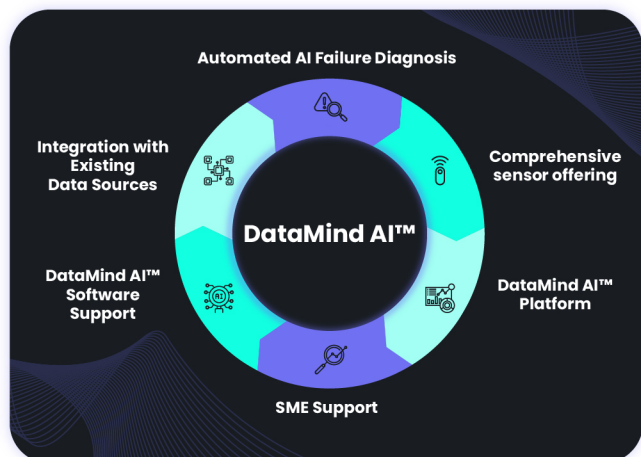
GLENCORE · CAPSTONE COPPER · SIMEC · NETZSCH · VW · SIEMENS energy

We've got you covered

DataMind AI™ is an all-in-one predictive maintenance platform designed to optimize mining operations. Powered by advanced AI Sensor Fusion technology, it delivers real-time insights, precise root cause analysis, and clear prescriptive recommendations to **prevent downtime, increase throughput, extend machine lifespan and boost staff safety.**

DataMind AI™
- Automated AI Failure Diagnosis
- Comprehensive sensor offering
- DataMind AI™ Platform
- SME Support
- DataMind AI™ Software Support
- Integration with Existing Data Sources

Optimize maintenance KPIs with DataMind AI™

80/20
Planned vs. Unplanned maintenance ratio

70%
Reduction in Unplanned Downtime

5%
Reduction in Total Maintenance Expenses

1.5%
Average Increase of Annual Plant ROM Feed
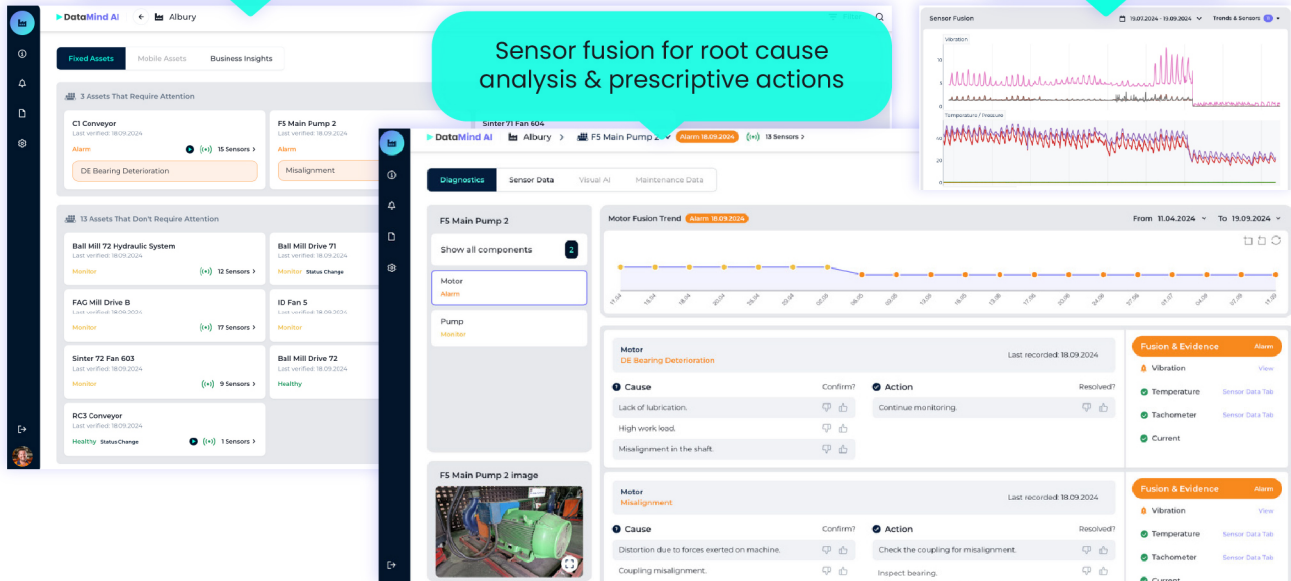
27%
Avg. R&M Cost Savings (Labor & Equipment)

DataMind AI™ platform

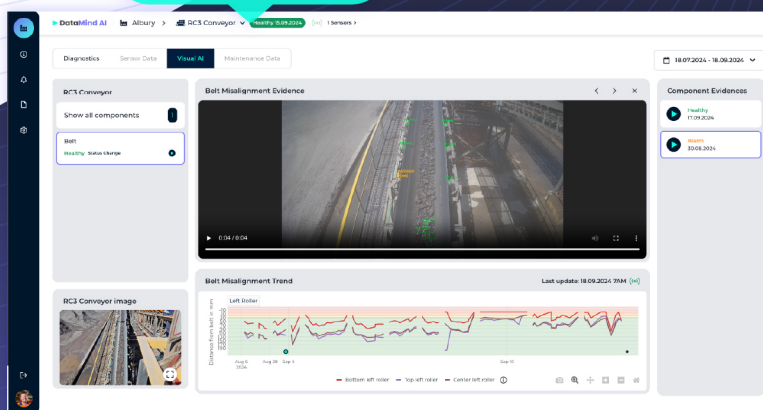**Complete online visibility of the site equipment**

Sensor fusion for root cause analysis & prescriptive actions

Sensor data

Visual AI

Mobile app

Real-time alerts via SMS & Email
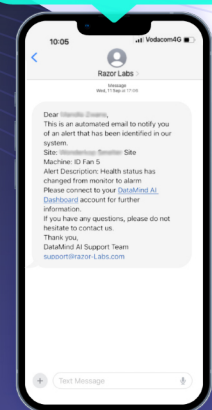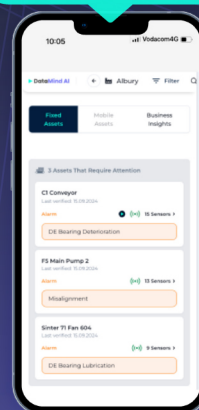
- Complete online visibility of the site equipment
- Sensor fusion for failure root cause analysis and prescriptive actions
- Real-time 24/7 health visibility
- Fixed & mobile equipment

- Maintenance efficiency & planning
- Full access to raw-data
- Early warning & critical notifications
- Business insights

Comprehensive sensor offering

Full failure coverage with accurate diagnostics

Current
Equipment overload and operation modes

CCTV Camera
Material monitoring and belt drift issues

Pressure
Pump & fan performance and efficiency

Vibration
Condition monitoring of rotating components

Temperature
Overheat & overload and root cause analysis

Oil
Oil contamination and mechanical wear

Gateway
Sends data to cloud via 3G/4G

Implementation process

Seamless and hassle-free

Survey

1

Map the critical equipment, and determine the type and locations of the sensors.

Deploy

2

Deploy sensors on monitored equipment to connect with the DataMind AI™ platform

Go Live

3

Unlock complete online visibility of the site equipment.

Monitored machines

Crushing & Screening

Primary Jaw & Gyratory Crushers
Secondary Cone & Crushers
Screens
Vibrating Grizzlies
Feeders

Grinding & Milling

SAG & AG Mills
Ball Mills
Rod Mills
Mill Motors & Gearboxes
Pinions & Trunnions

Bulk Material Handling

Conveyors
Stackers
Reclaimers
Ship Loaders
Belt Feeders

Slurry & Water Pumping

Slurry Pumps
Process Water Pumps
Cyclone Feed Pumps
Tailings Pumps
Underflow Pumps

Flotation & Separation

Flotation Cells
Agitators
Froth Pumps
Air Blowers
Scrubbers

Utilities & Plant Services

Cooling Towers
Compressors
Air Dryers
Induced & Forced Draft Fans
Dust Collectors

About Razor Labs

Razor Labs is revolutionizing the mining industry with DataMind AI™, its cutting-edge all-in-one AI solution for predictive maintenance. By combining sensor fusion with advanced analytics, the company empowers mining operations to prevent critical machine failures, maximize equipment reliability, enhance safety, and reduce operational costs.

As a publicly listed company (TASE: RZR), Razor Labs partners with leading mining companies worldwide to drive digital transformation across their sites. The company maintains a global presence with offices in **Tel Aviv, Perth, Sydney, New York, Bogota, and Johannesburg.**

For more information or to request a demo, visit **www.razor-labs.com** or email **discover@razor-labs.com**

Awards

CB INSIGHTS
One of the world's most innovative mining tech companies

Industrial IoT.
Product of the YEAR 2025

Mining Technology EXCELLENCE AWARDS 2024 & 2025
R&D, Innovation, and Safety in Maintenance

GLOBEE AWARDS 2024
Digital Transformation in Mining Award Winner

DataMind AI™ at a glance

$108,000 saved

Crusher
Recurring oversize prevented, avoiding downstream downtime

$1,120,000 saved

Stacker
Critical boom pulley failure prevented

$540,000 saved

Compressor
Critical gearbox failure prevented via early detection

$234,000 saved

Centrifuge
Drum imbalance resolved within 2 days

$195,000 saved

Pump
Performance drop detected through curve monitoring

$648,000 saved

Ball Mill
Identified false brinelling missed by traditional methods

Our partners

AutoControl Systems

Thermalign

Collaborit
ASSET MANAGEMENT ENGINEERING

PROCESS AUTOMATION
Industrial Process Measuring & Control Equipment

SAP

Microsoft Partner

Sturgeon ELECTRIC

ERICSSON

AQUEST