



DataMind AI™

Unlocking Efficiency, Reliability and Safety for Mining Operations

USED BY

GLENCORE



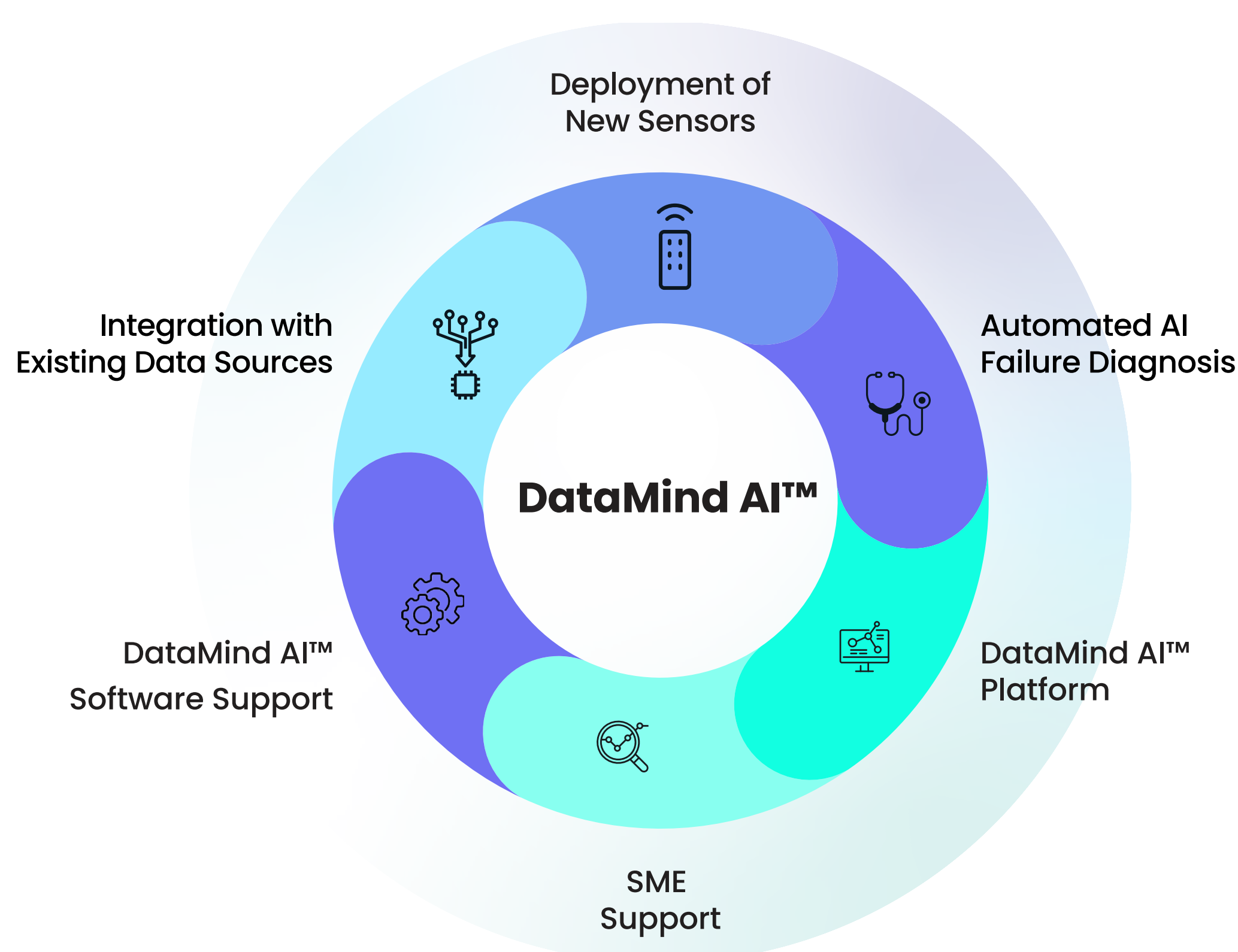
NETZSCH



SIEMENS
energy

We got you covered

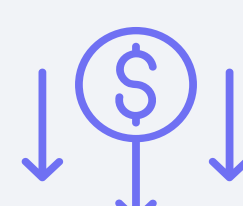
DataMind AI™ is an all-in-one predictive maintenance system designed for optimizing mining operations. Powered by advanced AI Sensor Fusion technology, it delivers real-time insights, precise root cause analysis, and clear prescriptive recommendations to **prevent downtime, increase throughput, extend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



Reduce
Unplanned
Downtime



Increase
Throughput and
Productivity



Reduce Repairs
& Maintenance
Costs



Boost Staff
Safety

Request a Demo →

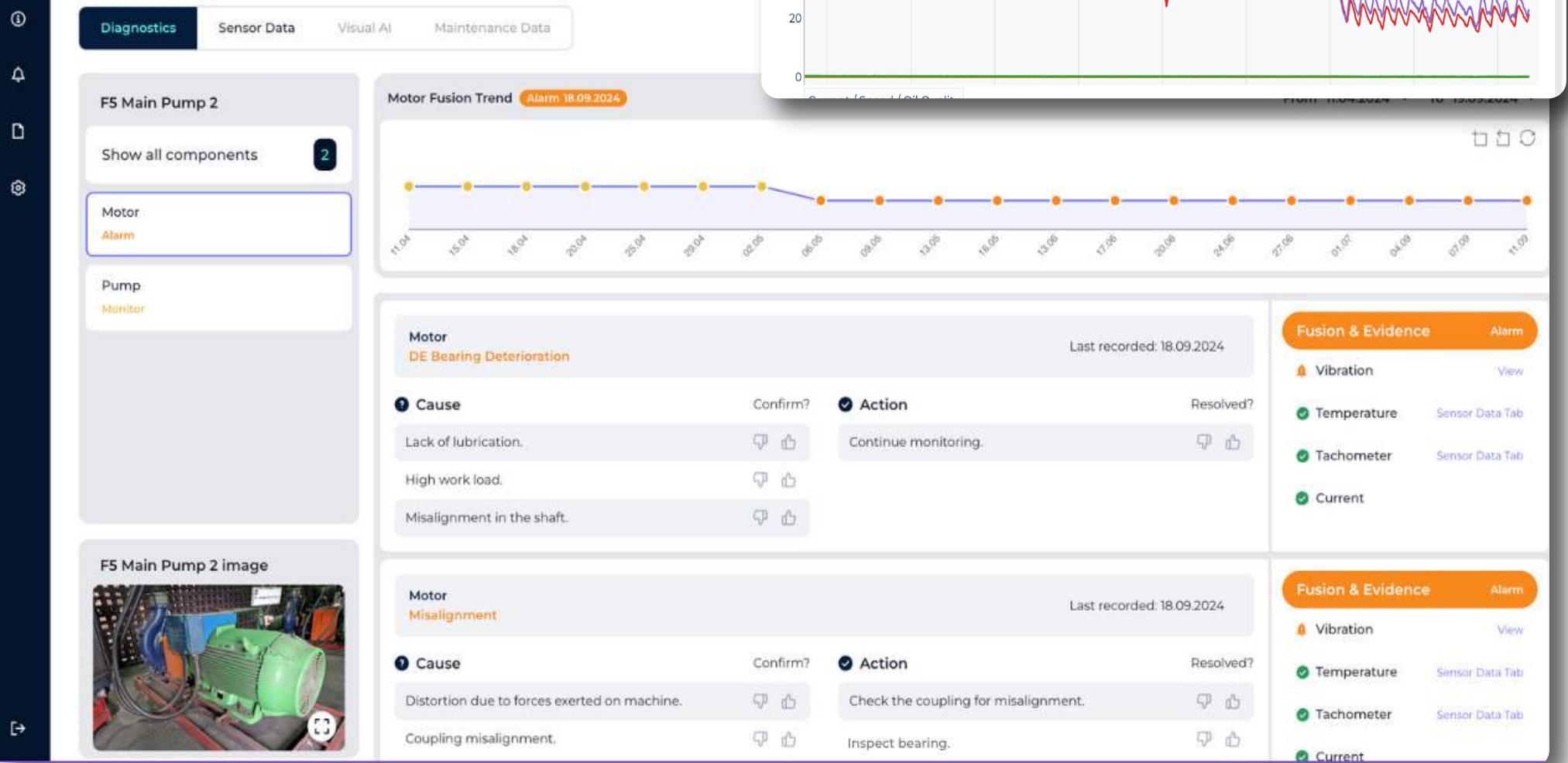
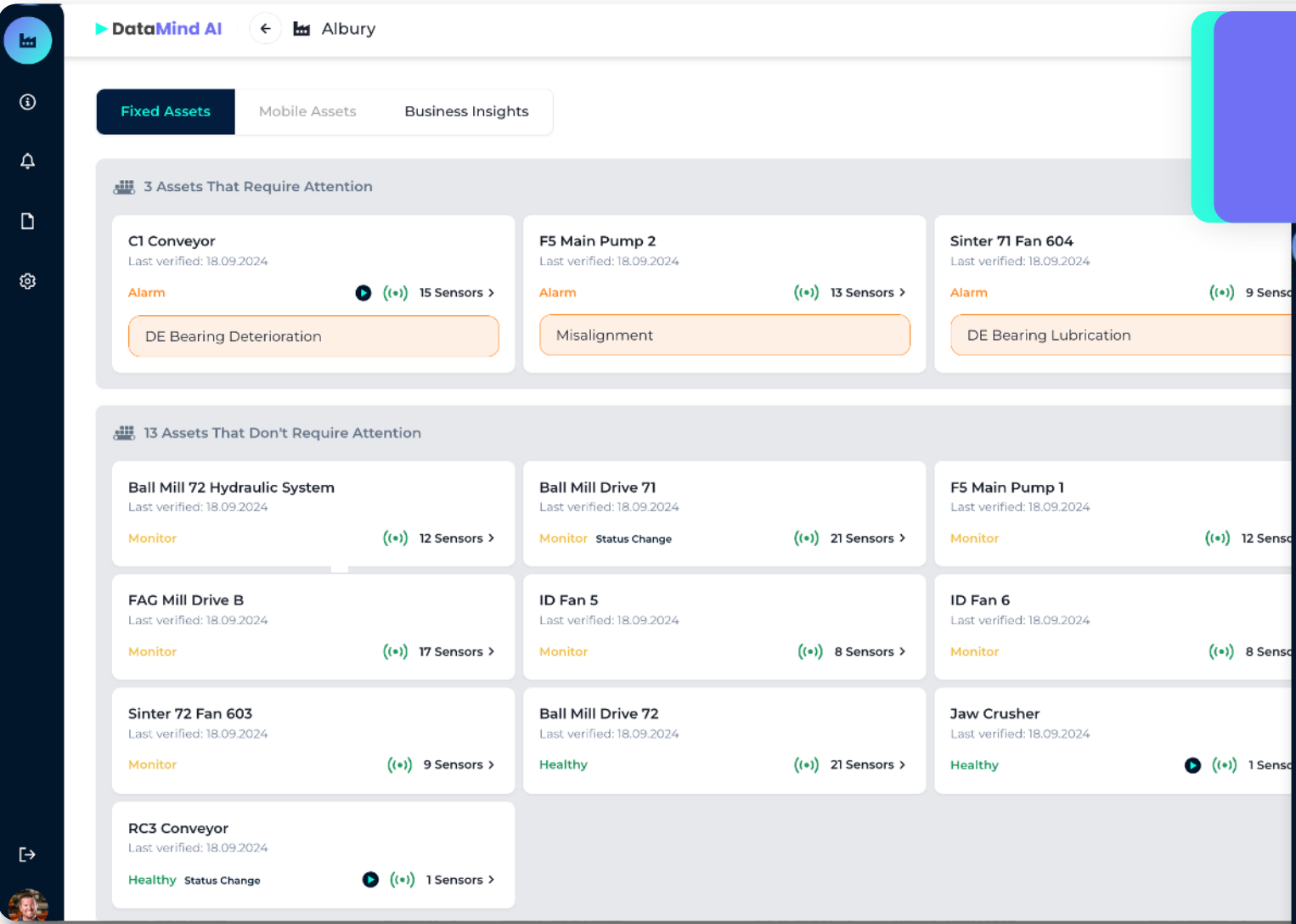
discover@razor-labs.com

DataMind AI™ platform

Complete online visibility of the site equipment

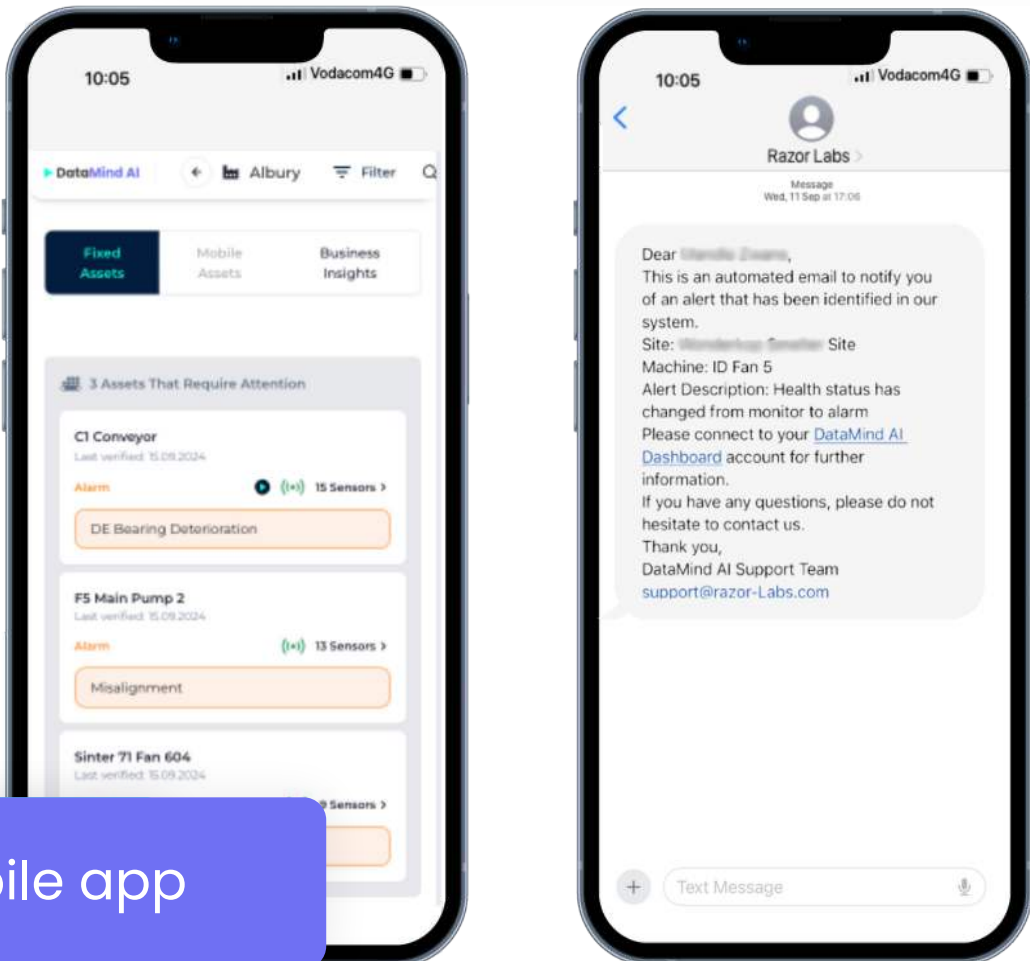
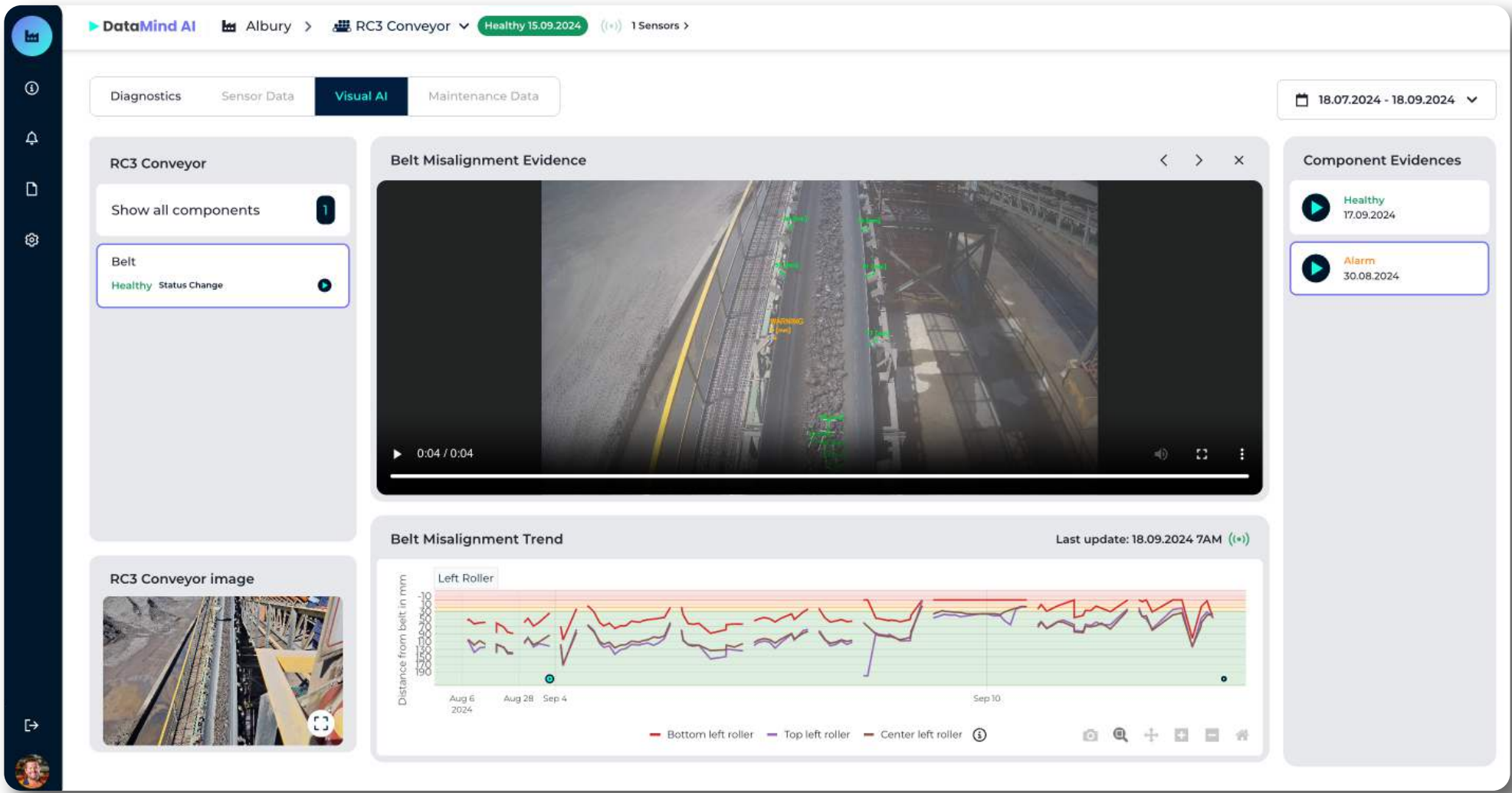
Sensor Data

Sensor fusion for root cause analysis & prescriptive actions



Visual AI

Real-time alerts via SMS & Email



Mobile app

Featured case studies

Identifying conveyor belt rip in time

>\$432,000 in losses and maintenance costs saved



Identifying stacker conveyor pulley rapid deterioration

>\$1,120,000 in losses and maintenance costs saved



Uncovering crusher liner wear by discharge conveyor monitoring

>\$108,000 in losses and maintenance costs saved



Preventing a critical failure in the outer race of the motor drive end bearing

>\$720,000 in losses and maintenance costs saved



Preventing a critical compressor gearbox failure

>\$540,000 in losses and maintenance costs saved



Complete Sensor Suite

DataMind AI™ fuses data from a range of sensors to enable a wide failure coverage

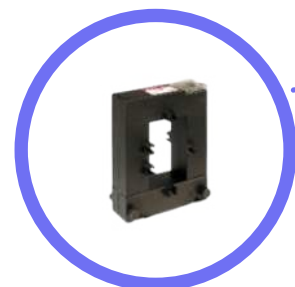
Temperature
Overheat /Overload and root cause analysis



Pressure
Pump/Fan performance and efficiency



Current
Equipment overload and operation modes



Gateway
Sends data to the cloud via 3G/4G



CCTV Camera
Material monitoring and belt drift issues



Vibration
Condition monitoring of rotating components



Oil
Oil contamination and mechanical wear



Monitored machines

Belt conveyors
Drives
Reclaimers
Stackers
Shiploaders
Cone crushers
Jaw crushers
AG mills
Blowers

Screens
HPGRs
Mills
Ball mills
SAG mills
Flotation cells
Blast furnaces
Agitators
Sifters

Thickeners
Rotary Kilns
Rolling mills
Rollers
Cooling tower fans
Cyclones
Draglines
Heat exchangers
Filters

Centrifugal Pumps
Reciprocating Pumps
Rotary Pumps
ID Fans
FD Fans
Sinter fans
Pre-furnace fans
Compressors
Dust collectors

Deployment strategy

1 Survey

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

2 Deploy

Deploy sensors on the monitored equipment to connect to DataMind AI™ Platform

3 Monitor

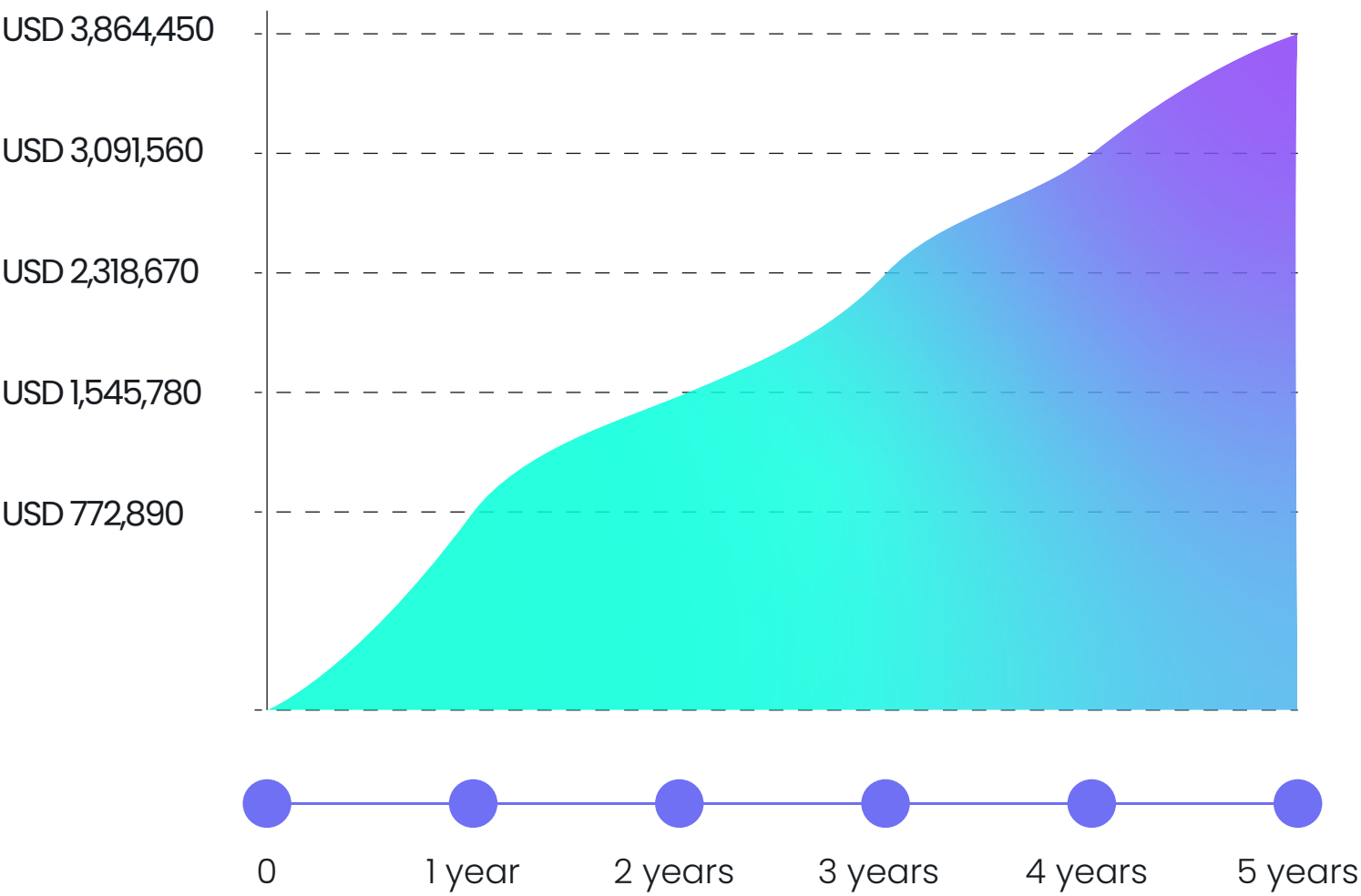
Unlock complete online visibility of the site equipment.

DataMind AI™ Value Impact Estimator

KPI	*Value	Performance Improvement	Total savings per site
 Production Losses Avoided	USD 13,250 per hour	30 hours	USD 397,500
 Standing Charges Reduction	USD 6,500,000	1.5%	USD 96,000
 Maintenance Costs Reduction	USD 6,887,050	1.5%	USD 97,500
 Process Optimization	USD 111,427,200	0.05%	USD 55,714
 Safety Incidents Reduction	USD 2,500,000	2.5%	USD 50,000
Total Annual Savings			USD 772,890

*Actual savings may vary by the customer

Accumulated cost savings (approximate) **\$ 3,864,450**
per 1 site



About Razor Labs

Razor Labs is revolutionizing the mining industry by offering an unparalleled all-in-one AI sensor-fusion-based predictive maintenance solution.

Leading mining companies worldwide use the company’s DataMind AI™ platform to prevent critical machine failures, improve operational efficiency, improve staff safety and reduce costs.

Razor Labs is a publicly traded company (TASE: RZR) and has offices in Perth, Sydney, New York, Bogota, Johannesburg and Tel Aviv.

For more information, visit our website at www.razor-labs.com



Tel Aviv, New York, Perth,
Sydney, Bogota, Johannesburg



Publicly traded
company(TASE: RZR)



One of the world's most
innovative mining
tech companies



R&D, Innovation, and
Safety in Maintenance



Digital Transformation
in Mining Award Winner

Our partners

