



# Capability Statement

Prescriptive AI for plant operations, helping maximise throughput, reliability, and asset life.



[movus.com.au](https://www.movus.com.au)

# About MOVUS

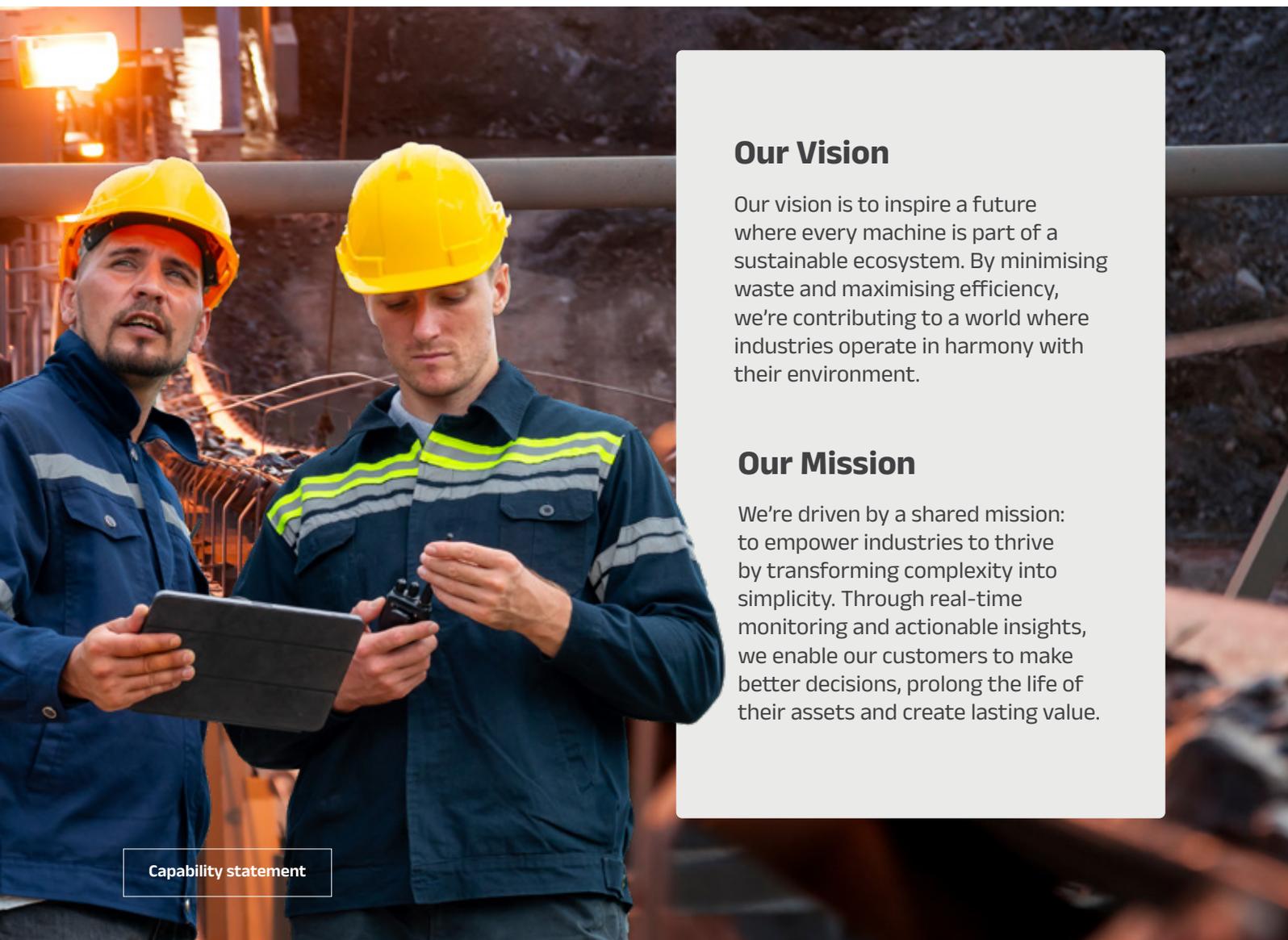
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MOVUS is an Australian industrial technology company delivering prescriptive AI for plant operations. We help asset-intensive organisations reduce unplanned downtime, improve maintenance planning, and gain real-time visibility across production and energy systems.

Founded in Brisbane, MOVUS works with decision-makers in complex operating environments to turn asset and operational data into clear, practical actions. Our AI-driven insights are validated by real-world outcomes, giving teams the confidence to move beyond reactive or scheduled maintenance toward smarter, predictive decisions.

The result is stronger throughput, reduced operational risk, and greater control over cost and sustainability. Teams can intervene earlier, plan more effectively, and protect production without adding unnecessary complexity.

Today, MOVUS partners with organisations across mining and metals, manufacturing, food processing, ports, and utilities to deliver measurable improvements in reliability and performance.



## Our Vision

Our vision is to inspire a future where every machine is part of a sustainable ecosystem. By minimising waste and maximising efficiency, we're contributing to a world where industries operate in harmony with their environment.

## Our Mission

We're driven by a shared mission: to empower industries to thrive by transforming complexity into simplicity. Through real-time monitoring and actionable insights, we enable our customers to make better decisions, prolong the life of their assets and create lasting value.



# Our Journey So Far

2015

MOVUS is founded in Brisbane with a bold vision to simplify condition monitoring through smarter, more accessible technology.

2017

Launched FitMachine, our pioneering vibration and temperature sensor, paired with a cloud-based dashboard that put real-time asset health at client fingertips.

2019

MOVUS goes global by delivering deployments outside Oceania and proving our platform's value across diverse industrial environments.

2020

FitMachine deployment grows rapidly, with thousands of assets monitored across mining, manufacturing, utilities, and food processing sectors.

2024

MOVUS introduced FitPower, expanding visibility into asset performance by monitoring energy consumption alongside vibration and temperature.

2025

The launch of **MOVUS 2.0** saw our product suite evolve again, adding a full wired vibration sensor range, AI-validated diagnostics, and 24/7 expert oversight to give customers more visibility, clear prescriptive actions, and more peace of mind.

## Today

MOVUS continues to evolve its prescriptive AI capabilities, helping organisations make better decisions, reduce unplanned downtime, and operate with greater reliability. With the launch of PlantOS, our asset health platform, we're delivering clearer recommendations and validated insights that turn data into action across complex operations.

## Tangible Benefits Delivered to Customers

Across over **900+ plants globally**, leading manufacturers have realised improvements with MOVUS through our solutions:

- **Over 90% reduction** in unplanned breakdowns globally.
- **20 to 30% improvement** in the accuracy of maintenance planning.
- **Reduction in spare parts** consumption through optimised diagnostics and visibility.
- Recently at the The International Mining and Resources Conference (IMARC), we were recognised and **awarded the Mining Beacon Breakthrough Innovation Award 2025.**





## Why Choose MOVUS?



### User-Validated Prescriptive AI

At the core of MOVUS is a closed-loop prescriptive AI model designed for real plant environments. Insights are generated from continuous, high-quality sensing across your assets and validated by the people operating them. Recommended actions are confirmed against real outcomes, creating a feedback loop that improves accuracy over time and keeps intelligence grounded in operational reality.



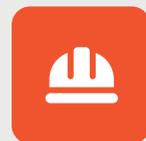
### Clear, Prioritised Actions

PlantOS turns asset and operational data into clear, prioritised recommendations. Instead of overwhelming teams with alarms, MOVUS guides what to address, when to act, and where effort will have the greatest impact. The result is faster, more consistent decision-making across maintenance and operations.



### Real-Time Operational Visibility

MOVUS combines continuous asset sensing with production and energy context to deliver real-time operational visibility. By connecting condition data with how the plant is actually performing, teams can intervene earlier, plan more effectively, and protect throughput, safety, and cost.



### Built for Complex, Industrial Environments

From critical rotating machinery to remote and hazardous assets, MOVUS is engineered for real industrial conditions. Our integrated sensing technologies and platform scale across sites and asset fleets while keeping deployment, configuration, and ongoing management straightforward.

**“We wouldn’t have caught a number of faults without MOVUS. It gave us just enough time to act before we lost up to up to \$60,000 in unplanned downtime.”**

- Maintenance Planner, QLD, Australia Mining Site



# Industry Challenges We Solve

Asset-intensive operations face constant pressure to improve throughput, manage risk, control cost, and sustain performance across complex environments. MOVUS connects continuous asset and operational insight with clear, prescriptive recommendations, enabling faster, more confident decisions on the plant floor.

## Throughput & Performance

 **The challenge**  
Production targets are impacted by unplanned downtime, reactive maintenance, and limited visibility into how asset condition affects output. When issues are detected too late, throughput, quality, and asset utilisation decline.

 **Our solution**  
Continuous visibility into asset behaviour and operational context, enabling earlier detection of developing issues. With clear, prioritised recommendations, teams can intervene proactively, stabilise production, and protect overall equipment effectiveness.

## Cost & Operational Efficiency

 **The challenge**  
Costs are driven not only by failures, but also by over-maintenance, energy inefficiency, unplanned production loss, and reactive decision-making. These impacts often accumulate quietly until budgets or targets are missed.

 **Our solution**  
By combining asset condition data with operational context, PlantOS identifies inefficiencies early and prioritises the actions that deliver the greatest return. This helps reduce unplanned downtime, unnecessary maintenance, excess energy use, and material waste.

## Risk, Safety & Compliance

 **The challenge**  
Large sites, remote assets, and hazardous environments increase operational risk. Manual inspections and limited real-time visibility make it difficult to reduce exposure and maintain consistent compliance.

 **Our solution**  
Continuous monitoring across critical, remote, and hazardous assets reduces the need for unnecessary physical intervention. Real-time insight into asset condition, production, and energy performance supports safer operations, stronger risk management, and improved compliance confidence.

## Capability & Skills Resilience

 **The challenge**  
Experienced personnel are increasingly scarce, and critical operational knowledge is often undocumented or difficult to transfer. Teams are expected to manage larger, more complex asset fleets with fewer resources.

 **Our solution**  
Prescriptive recommendations and user-validated learning reduce reliance on individual expertise and support consistent decision-making across teams. By capturing actions and outcomes, MOVUS helps retain knowledge, scale capability, and sustain performance despite workforce constraints.

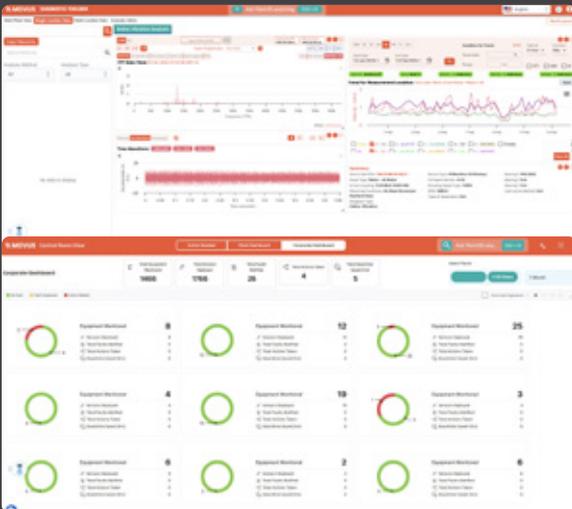
# The MOVUS Platform

## Powered by PlantOS: Your Prescriptive Intelligence for Plant Operations

PlantOS is the intelligence layer at the core of MOVUS built for teams, not just specialists. It brings together continuous industrial sensing, operational context, and prescriptive analytics into a unified decision platform for plant operations.

At the centre of PlantOS is a validation loop that combines AI-driven detection, expert oversight, and real-world feedback to continuously improve accuracy.

Rather than overwhelming teams with more data or alarms, PlantOS delivers clear, prioritised actions that help protect throughput, manage risk, and strengthen operational performance.



PlantOS connects sensing, detection, and decision intelligence into a single operational system:



PlantOS brings OT, IT, and operational context together into a trusted decision layer, enabling earlier insight, better planning, and improved performance without disrupting existing control systems.



# Sensing Technologies for a Variety of Applications



## Wireless Sensors

Our wireless removes the complexity of installation. With no cabling required, wireless sensors reduce installation time and cost, allowing teams to deploy monitoring quickly and expand coverage without disrupting operations. Our wireless range includes:



**FitMachine** monitors vibration, temperature, and run speed in near real-time to detect shifts in asset behaviour before they escalate.



**FitPower** monitors the electrical behaviour of individual machines by measuring magnetic fields around power cables.



## Wired Sensors

Our wired sensors provide continuous insight into asset condition. Typically used on critical or fast-failing equipment where missing a change in behaviour isn't an option, and where uninterrupted monitoring is required to support early intervention. Our range includes:



**vEdge** family uses MEMS-based vibration monitoring with ultrasonic sensing and a magnetometer for speed detection, enabling early-stage fault identification.



**vSense** family uses piezoelectric triaxial and uniaxial sensors for critical rotating machinery in extreme environments.



## Hazardous Area



Our hazardous area sensors are designed for monitoring assets in explosive environments where certified equipment is required. Enabling continuous vibration and temperature monitoring. Our range includes:

**FitMachine 3XT EX** is an ATEX and IECEx certified wireless sensor for hazardous locations, including Zone 0 environments. Delivering high-resolution data with a rugged enclosure and field-replaceable battery to support reliable, unattended monitoring.



## Oil Monitoring System



**Our oil monitoring system** provides continuous visibility into oil health, helping detect contamination and wear before asset performance is affected. By monitoring key parameters such as moisture, viscosity, dielectric properties, and particle count, it supports earlier intervention and protection of critical equipment.



## Line Interface Unit



**The Line Interface Unit** securely captures critical process data from existing control systems, including PLC, DCS, SCADA, and energy meters. By integrating operational parameters alongside asset condition data, it provides broader context to support clearer diagnostics, stronger prioritisation, and more informed decision-making across plant operations.



## Want to learn more?

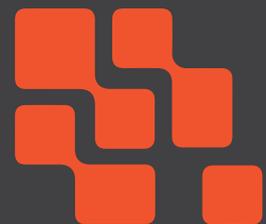
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Scan the QR Code to learn more about MOVUS or get in touch with our team today.



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