World-Class Data+Science

symboticware **UPTAKE**

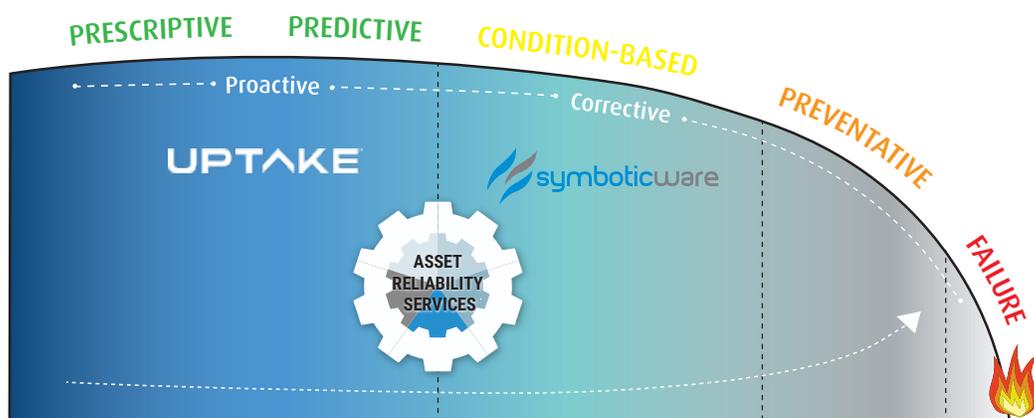## Maximize your mobile fleet profitability with our end-to-end AI and data science solution

Symboticware has joined forces with Uptake to provide mining companies with the most comprehensive data coverage from mobile asset fleets on top of the industry's leading AI software. Uptake provides highly accurate, actionable insights into your data with sufficient lead time so you can increase the productivity of your equipment, minimize operating costs, eliminate unscheduled downtime, and optimize your spend on parts, fuel, and labor consumption.

Cost-optimize your maintenance programs with AI

Optimal machine health and performance is critical to getting the most out of your equipment investments and achieving a high return on capital employed (ROCE). Performing regular machine maintenance can be expensive in terms of technician hours, spare parts and lost production. Additionally, the cost of unplanned downtime can significantly impact your production throughput, productivity and operating expenses. In our joint solution, Symboticware provides unparallelled IoT access to your equipment while Uptake's Asset IO uses AI to surface predictive insights from your data. Leveraging the latest industrial IoT and AI technologies, you will prevent unplanned downtime, minimize operating expenses, and develop a comprehensive maintenance program to cost-optimize maintenance tasks. You will ultimately achieve new levels of equipment performance, lower O&M costs, and maximize your throughput.

Symboticware and Uptake's joint solution turns data into a proactive maintenance plan, eliminating costly repairs and unnecessary equipment downtime.
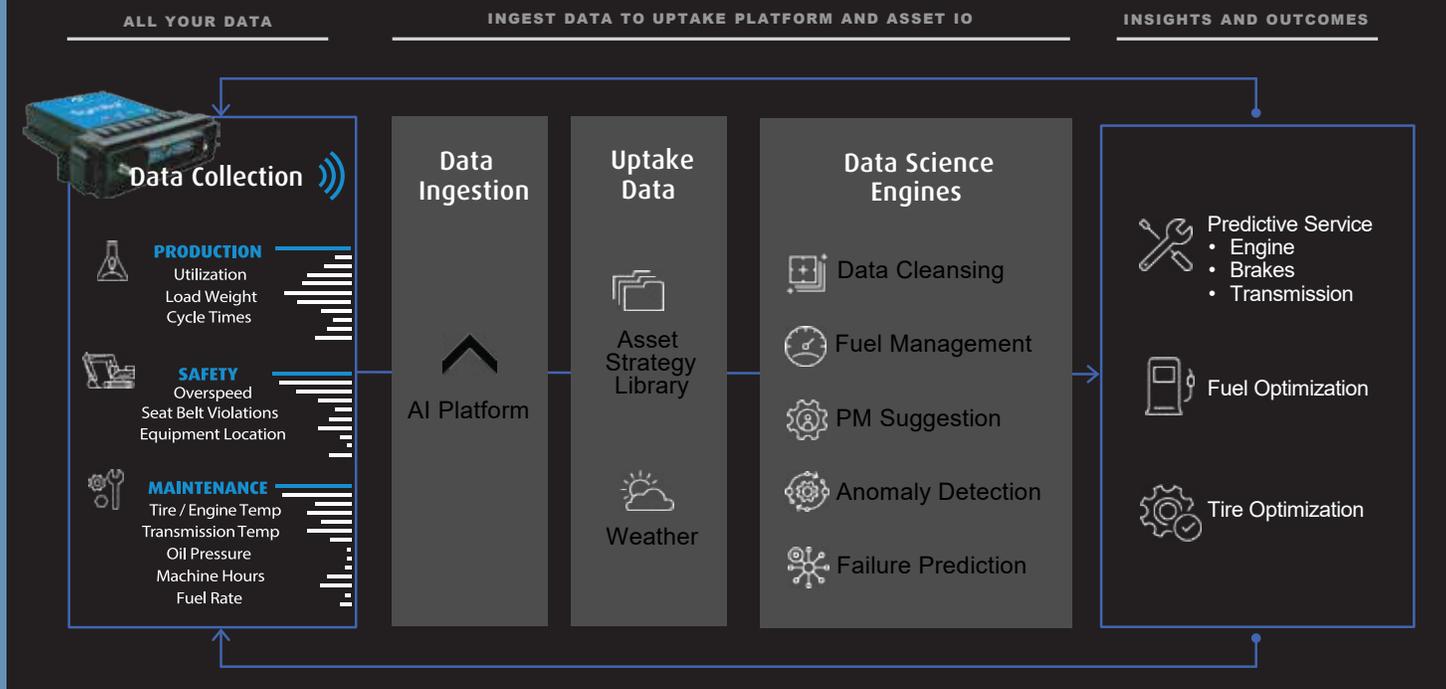
About Symboticware

Symboticware is an innovative, industry leader that provides an industrial IoT hardware and software platform to help customers unlock, collect and analyze valuable data from their industrial mobile and fixed assets to help improve business outcomes based on: optimizing productivity; identifying opportunities to increase efficient use of their resources; increasing equipment availability through better condition and preventative maintenance; and enhancing safety by real-time feedback to operators. Originally developed for monitoring in under-ground mining, Symboticware technologies are used in many remote and rugged applications, from the far north to kilometers below the earth's surface.

About Uptake

Uptake is the source of industrial intelligence, empowering people to solve hard problems, understand their past, and act on their future. Their industrial applications and platform turn mountains of data into meaning-ful intelligence, making hard work easier for the businesses that move society forward. They believe data is the key to a better tomorrow and that, alongside customers, they will build what comes next. Their technology has seen millions of machine failures so that customers don't have to. By equipping people with insights to act opon, Uptake does their part to help create a world that works for everyone.

World Class Data Science with Uptake & Symboticware

Data Collection

PRODUCTION
Utilization
Load Weight
Cycle Times

SAFETY
Overspeed
Seat Belt Violations
Equipment Location

MAINTENANCE
Tire / Engine Temp
Transmission Temp
Oil Pressure
Machine Hours
Fuel Rate

Data Ingestion

AI Platform

Uptake Data

Asset Strategy Library

Weather

Data Science Engines

Data Cleansing

Fuel Management

PM Suggestion

Anomaly Detection

Failure Prediction

Predictive Service
• Engine
• Brakes
• Transmission

Fuel Optimization

Tire Optimization

Our joint solution turns data into actionable insights, creating a closed feedback loop for continuous learning.

DRIVE NEW LEVELS OF PROFITABILITY WITH AI

With a joint solution from Uptake and Symboticware, you get the best of industrial IoT and AI. Symboticware provides a comprehensive data capture from your fleet of mobile mining assets, to connect the fleet, collect data, and act to make better informed decisions. Uptake offers industry's best AI-based Asset Performance Management (APM) software, Asset IO. The predictive insights from your mobile asset data are accurate and actionable, providing you with sufficient lead time so you can prevent downtime, minimize operating costs and maximize productivity.

Gain greater visibility into your critical assets
Collect data from sensors, store time-stamped values in an internal database and seamlessly transmit data for AI analysis.

Deploy AI models in minutes
Quickly deploy AI models that are pre-trained to drive greater performance for mobile mining equipment and visualize those insights in one application.

Arm your business with 2.1 billion hours of industrial machine learning
Surface insights from your asset data without writing a single line of code. Machine-specific data science models and asset templates are purpose-built to drive closed-loop continuous improvement and financial outcomes.

Ready to reduce breakdowns and improve equipment availability across your mining sites? Contact our team today.