EMBRACE CHANGE, IGNITE INNOVATION

Explore the cutting-edge technology and superior capabilities of BETAVIB's latest portable condition monitoring solution, leveraging advanced AI technology to provide real-time data collection and analysis for enhanced decision-making.

With a focus on efficiency and innovation, our product offers comprehensive monitoring capabilities to optimize maintenance strategies and increase equipment reliability.

Stay ahead of the curve with VIBWORKS LT, BETAVIB's state-of-the-art solution.

LUDECA

BETAVIB

VIBWORKS LT

UNLOCK MOBILITY : EMBRACE PRECISION

PORTABLE SOLUTION

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VIBWORKS LT

INTELLIGENT ANOMALY DETECTION

The software can utilize VIBWISE, an optional advanced AI algorithm to monitor equipment and accurately identify anomalies.

It goes beyond traditional monitoring by predicting potential issues before they escalate into costly downtime.

AUTOMATED SOLUTION IDENTIFICATION

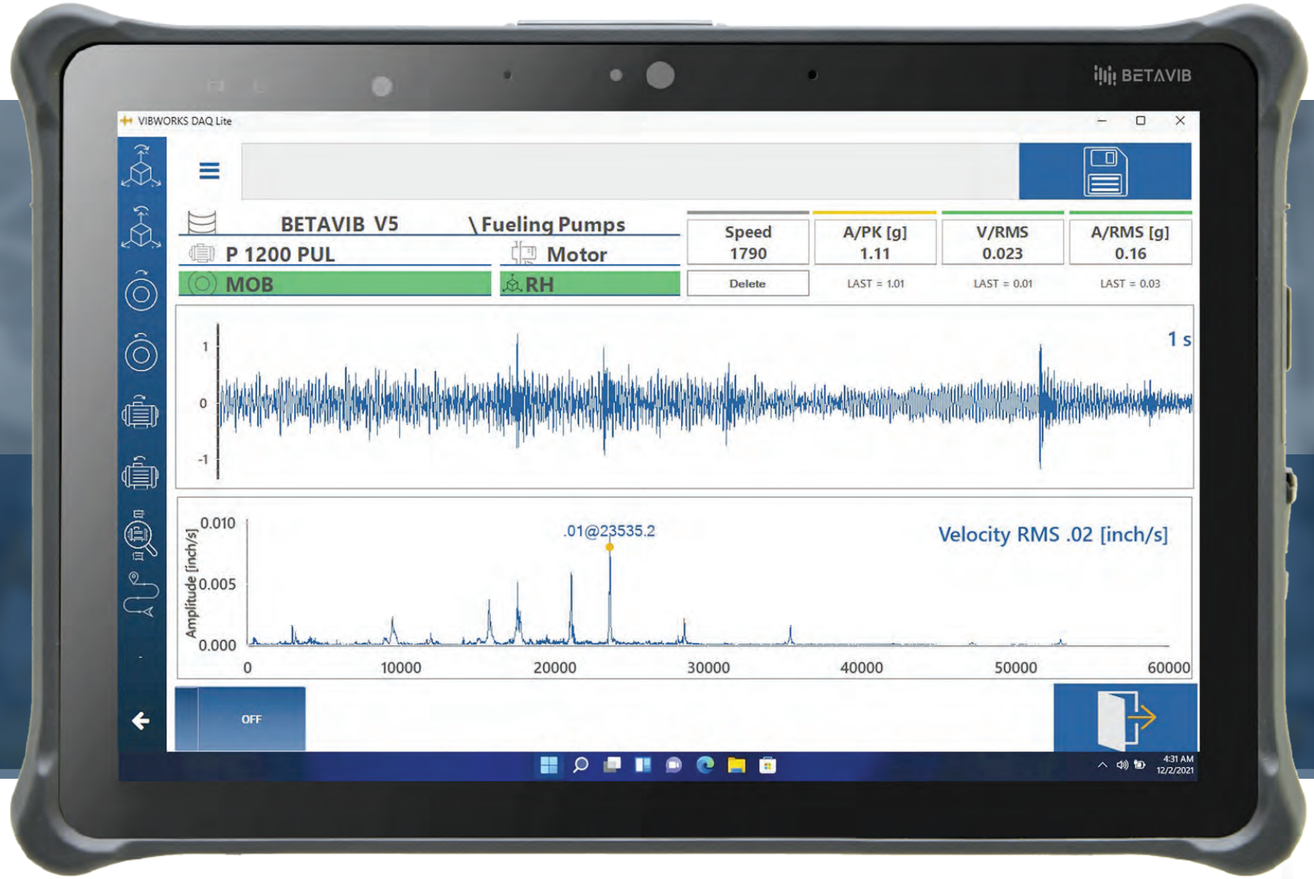
Upon detection of an anomaly, the AI suggests the most probable causes and recommends actionable solutions.

This feature streamlines the troubleshooting process, saving valuable time and resources.

COMPREHENSIVE MACHINE LISTING

The software provides a detailed list of all machines, along with their operational status, enabling a clear overview of the entire fleet of assets.

This ensures that all machines are under consistent and constant surveillance.



PRIORITIZATION AND SEVERITY ASSESSMENT

The system assesses the severity of each detected issue, allowing maintenance teams to prioritize repairs based on criticality, ensuring the most urgent problems are addressed promptly.

USER-FRIENDLY INTERFACE

With an intuitive interface, the software allows for easy navigation and easy parameter adjustments, making it accessible to users with varying levels of technical expertise.

HISTORICAL DATA ANALYSIS

The VIBWISE AI algorithm leverages historical data to improve its diagnostic accuracy over time.

This means the system becomes more reliable and insightful with each analysis.

EASY INTEGRATION

The system is designed to integrate seamlessly into existing workflows, requiring minimal setup and training, thus reducing any potential transition period and associated costs.

REPORT CUSTOMIZATION

The ability to generate reports with a single click adds significant value, allowing for the documentation of issues and actions taken, which is crucial for regulatory compliance and historical record-keeping.

DOWNTIME REDUCTION

By providing immediate insights into machine health and actionable steps, the software contributes to a significant reduction in machine downtime, enhancing productivity.

COST-EFFECTIVENESS

By automating the fault detection and diagnosis process, the software reduces the need for continuous manual analysis, thus offering a cost-effective solution for machinery maintenance.

PRODUCT LINE ARCHITECTURE

In industrial maintenance, rotating machinery is vital but prone to wear, causing costly downtime.

Our innovative VibWise AI module integrates seamlessly with these machines, detecting anomalies, predicting failures early, minimizing downtime, and extending machinery lifespan for portable and online solutions.

VIBWISE

DATABASE : ARCHIVE AND STORAGE

DATA FACTORY **DATA FACTORY** **DATA FACTORY**

CORTEX **VIBWORKS** **LT**

VIBWISE AI MODULE

Rotating machinery is crucial to various sectors but susceptible to wear, leading to expensive downtime.

Our VIBWISE AI module predicts failures, reduces downtime, and prolongs machinery lifespan by integrating seamlessly and detecting anomalies early in the maintenance process.

Machine Learning Process

VIBWISE uses advanced machine learning for diagnostics, including real-time data collection, pattern recognition, and anomaly detection to optimize efficiency and save costs, seamlessly integrating with existing VIbWorks systems.

Integration and Compatibility

VIBWISE seamlessly integrates with platforms like VibWorks, Cortex, and VibWorks LT, ensuring smooth functionality.

It uses standardized data inputs for easy implementation across systems.

Advanced Data Analysis

The module examines five vibration indicators and six power frequency bands, offering detailed insights into machine performance.

Rich Data Integration

Leveraging the VibWorks database, the AI module ensures precise analysis, detecting potential issues before escalation.

Learning Database

With over 600,000 entries, 80% are train algorithms while 20% validate performance for precision and reliability.

Benefits and Business Impact

Early detection minimizes downtime, proactive maintenance extends lifespan, and preventing large-scale failures reduces costs and improves ROI.

VIBWORKS LT

Our brand new entry-level solution, fully compatible with the VibWorks environment, offers the opportunity to achieve high quality data acquisition.

You can benefit from all of our solution efficiency and flexibility in a budget friendly architecture.

Data can be synchronized to a cloud server to give your analysts access to our high-end analysis UHDM platform.

The VIBWISE algorithms are available to assist you analyze your data with clear directions to follow, including timeframes to lubricate, balance and change bearings in your assets.

CLOUD

· Stand Alone and Cloud Based Ready
· You Analyze or AI Analyzes the Data
· Cloud Based Dashboard and KPI's

REPORTING

· A.I. Route Reports Actionable
· Reporting Outputs Summary
· Reports for Management Overview

ACQUISITION

· Long TWF Acquisition
· Sampling at 52Khz Intuitive
· Route Management

SETTINGS

· Customize Data Capture
· Optimize Resource Usage

DURABILITY	*MIL-STD 810H certified (Drop, Shock, Vibration, Rain, Dust, Altitude, Freeze/Thaw, High/Low Temperature, Temperature Shock, Humidity) *MIL-STD 461G certified (Conduction, Radiation, Conducted Susceptibility, Radiated Susceptibility)
POWER	AC adapter: 100-240V, 50Hz-60Hz, 65W Main battery: Li-Ion, 7.6V, 3600mAh, 8.5 hours
ENVIRONMENT	Temperature Operating: - 20°C ~ 60°C / - 4°F ~ 140°F Storage: - 46°C ~ 71°C / - 51°F ~ 160°F Humidity: 5% ~ 95%
DIMENSION & WEIGHT	8.94" (W) x 5.91" (D) x 0.81" (H) 1.9 lbs (0.86 kg)
BATTERY	Long battery life, up to 17 hours
DISPLAY	8.0" LCD (1280 × 800)
GRAPHICS	Intel® Iris® Xe Graphics
FMAX	20Khz - 40Khz
RANGE	± 100g PEAK @ 24 bits
RESOLUTION	200 lines to 208,400 lines
WINDOW FUNCTIONS	14 embedded window types
NUMBER & AVERAGES	Up to 10,240