How fast we are
5 seconds per point (3 Axis) are enough to analyze machines running at conventional speeds (Around 1800 CPM).

TAKE THE RIGHT DECISION
When you have the right tool at your disposal you can increase assets uptime, protect your investments and maintain economic operations.

Increase Efficiency
Ultra HD Monitoring is a unique feature offering simultaneously the widest range of tools. On 40” to 60” 4K (4096px) display for unmatched monitoring efficiency.

Gain Productivity
Thanks to its revolutionary acquisition process, route acquisition is 5 to 10 times faster than any other conventional collector WITHOUT ANY LOSS of Data.

Improve Performance
Create databases for your assets, kinematic parameters, assign analysis configurations, machines and routes, take readings, perform a complete analysis and generate reports. Using our ClickOnce™ technology.

Time Traveler
After taking measurements you can change your analysis configuration, VibWorks will reprocess old vibration data and reconstruct machine history, you have the right to make mistakes and/or change your mind.

VibWorks DAQ Lite
Easier Visualization of machinery state with Real-time over-all indicators color-coded tanks according to alarms

Advanced Analysis Ability to perform real-time analysis on raw data coming from the sensor.

Higher accuracy with real-time waveform, customizable velocity and acceleration spectrum.
VibWorks Server

UP-TO-DATE INFORMATION ENTERPRISE WIDE.

VibWorks Server Transforms your Collector into an OCA (Occasionally Connected App.), Allowing you to access all the databases while off-line in the field, and sync the data with a central DB and/or with other users while online. This means you can generate reports, analyze data and perform all your daily tasks even when you are offline.

VibWorks Analyzer

Designed for Expertise Jobs, VibWorks Analyzer comes in 4, 8, 16, or 32 channels, with less machine shutdowns.

VibWorks Analyzer is fully loaded with all the essential tools to perform a proper expertise and is scalable according to your needs. The product is entirely compatible with BETAVIB SUITE Hardware (Balancing and Collector).

Advanced Signal Processing:

All the tools required to investigate structural dynamic behavior are embedded within VibWorks Analyzer as well as Long-time data Logger for post-processing.

Applications:

VibWorks Analyzer is the perfect example to emphasize how BETAVIB’s vision is reflected on our solutions interfaces: interaction is clean and simple while providing more power on demand whenever it’s needed.

Auto Regressive Moving Averages:

Is an advanced signal processing technique embedded in VibWorks Analyzer and used to perform Frequency Response Functions (FRF) without an impact hammer.

Real Time Analyzer:

Multichannels functions will provide you with a better understanding of your machines’ dynamic behaviour, deflection modes can be deducted using cross channel phase analysis.

VibWorks Balancer

VibWorks Balancer is an add-on module to the BETAVIB Suite. Running on the same hardware platform as the VibWorks Collector and Analyzer. Like all BETAVIB products, VW Balancer comes with user-friendly interface, simple yet powerful.

Single Shot:

VibWorks Balancer will save shaft sensitivities coefficients, future balancing of machinery are made with a single shot measurement without a trial run.

Dynamic Vectors:

Real-time phase stability is indicated on polar graphs during measurements, to ensure proper balancing conditions.

Report Generation:

Balancing reports are generated automatically and available in several universal formats (PDF, Doc, HTML...).
CORTEX MONITORING SYSTEM

CMS-Ox16 / CMS-Ox32
Standard, off the shelf permanent monitoring solution allowing multiplexed measurements from accelerometers and proximity probes. Vibration is routed in real time to dynamic dashboard from the sensors and local signal processing is performed to insure proper and safe operating conditions. A real time assets viewer will help locate the status of each monitored point. Recording can be triggered with programmable timers, and/or with RPM counters (2 counters available). 8 output voltage channels are available to share valuable information like alarm crossing/network malfunction... with other systems.

ONBOARD STORAGE
Autonomous analysis and data logging to prevent network failures
Maximum autonomy with onboard decision

ARCHITECTURE
CMS comes: fully Cabled, fully wireless or cabled/wireless.

CRAFTED FOR RELIABILITY
READY TO RUN
ACHIEVE PERMANENT HEALTH MONITORING OF YOUR CRITICAL EQUIPMENT WITH A UNIQUE AND SCALABLE TURNKEY SOLUTION, DEVELOPED TO FIT YOUR NEEDS.
**OPTIMIZED PERFORMANCES**

Higher accuracy through thorough diagnosis.

On-line condition monitoring can help you ensure an optimized distribution of a limited reliability staff to perform the most valuable tasks required for maintenance.

**HIGHER ACCURACY**

Manual measurements increase the possibility of data errors and missed events, with CMS you can ensure high data accuracy thanks to a continuous data collection.

**CMS-OC**

High-end online monitoring solution allowing simultaneous measurements from ANY time of sensor (Vibration, voltage, current temperature, pressure, prox, 4-20mA sensors...). Cortex Monitoring System OC is a custom built solution that will fit exactly your application: exact number of sensors, trigger handling, recording parameters, communications, environment... No matter how complex your application is (Parameters, channel count, variable operating conditions) we can build a custom solution that fits your machine perfectly. You will be able to monitor dynamic signature of your assets but also relate their behavior to the process variables.

**REMOTE ACCESS**

Email notification on alarm crossing and accessible data through Web services from any connected device.

**ONBOARD DECISION**

Machine shut down on alarm crossing. Sound or light warning on exception events.

**SCALABLE AND RUGGED**

CMS will fit your needs in terms of channels count and multiple sensors. CMS is certified Class 1, Div2 ATEX and has extended temperature range.

**THOROUGH DIAGNOSIS**

CMS provides you with unique tools to improve assets monitoring and guarantee consistent analysis based on stored historical baseline data.
You have the opportunity to see detailed analysis over departments, machine types, criticality and date.

Precise Analysis

Make informed decisions thanks to the enterprise wide access to the data offered by VibWorks Supervisor.

Global Overview

Quantify the result of your management actions and strategies based on up-to-date information.

Actions Impact

VibWorks SUPERVISOR

SEE THE BIG PICTURE

VW SUPERVISOR is developed to provide reliability staff with statistical data describing the GLOBAL health of the monitored assets.

TAKE THE RIGHT DECISION

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VibWorks MOBILE

EASY ACCESS TO DATA

VW Mobile integrates all reliability information, including ongoing reports, with maintenance data into a single access point, accessible through your smartphone.

REMOTE MAINTENANCE

Designed for reliability leaders, this tool provides a variety of features to simplify, manage and keep track of your machine health.

DATA INTEGRATION

All important key performance indicators are integrated into a central access location so you can get all the data you need, wherever you are.

VibWorks CLOUD

ANYTIME! ANYWHERE!

Using VibWorks Cloud applications, your assets health remains always accessible, anytime, anywhere in the world. An extraordinary management tool to keep track of your machines behavior without locking valuable resources and depriving your analysts from their instruments.

YOUR DEVICE, OUR VISION.

VibWorks Cloud applications are built to provide reliability engineers with useful features and KPI to manage their assets: Pareto charts focusing on failures distribution, Machines history, over all behavior per sector or for the entire plant... And you can achieve all this on any device you want: PC, tablets, Smart Phones using fast and secured webservices...
**VibWorks**

**Cloud Technology**

**On the Same Device**
- Create Machines
- Configure parameters
- Collect vibration
- Analyze
- Report

**Smart Online Monitoring**
- All types of inputs
- Onboard Storage
- Onboard signal processing
- Industrial ruggedness

**Realtime Vibration Monitoring**
- Online Configuration

**Onsite Reliability Management**
- Reliability KPI through VibWorks Cloud

**Available on Smartphone and Tablets**

**VW Mobile to Keep Track of Your CM Program**

**Offshore Monitoring Solutions (VW Suite)**

**Online Monitoring Solutions (CMS)**

**Web**