CENTURION™

Complete vibration analysis with zero on-site personnel

BUSINESS CHALLENGE

Regular vibration analysis is a critical tool in maximising the reliability of your assets. However, having vibration analysis technicians routinely enter a site can present significant challenges in terms of safety, cost, accessibility, repeatability and machinery downtime.

For this reason more and more asset maintenance teams are turning to online solutions for vibration analysis.

SOLUTION

What is Centurion?

Centurion is a multi-channel, remote vibration monitoring system. After the hardware is installed it is accessed remotely via the Internet, allowing all vibration monitoring tasks to be performed by technicians wherever they happen to be located. The service also adds an alarm capability, where operators can automatically be informed of events of significance as they occur.

Our key services include:

- Complete vibration analysis and reporting at regular intervals
- Event based alarms delivered in real time
- Unscheduled data surveys at short notice

What are the key benefits?

- Safety – Eliminate risks associated with having personnel on operating machinery.
- Better prognosis – Enrich historical vibration data with more frequent surveys.
- Repeatability of data – Permanently installed sensors are not susceptible to technician variability.
- Thorough surveying – Difficult or dangerous to reach points are included in every vibration survey.
- Machine protection – Real time alarms can trigger a shutdown to avoid catastrophic failure.

WHY CHOOSE BUREAU VERITAS?

Recognition Founded in 1828, Bureau Veritas is a world leader specialising in conformity assessment services related to Quality, Health, Safety & Environment (QHSE).
Certified to ISO 9001 for all of its activities globally, Bureau Veritas is well known for its ability to adapt to changing client environments and situations and for its commitment to providing leading solutions through quality service.

Knowledge & Expertise Through expert local teams and technical knowledge, Bureau Veritas are able to deliver packaged and targeted solutions and information, to support our clients' unique business requirements.

Network With a network of 900 locations, and over 40,000 employees in more than 140 countries, Bureau Veritas provides solutions to over 370,000 clients throughout the world across a diverse range of industries.

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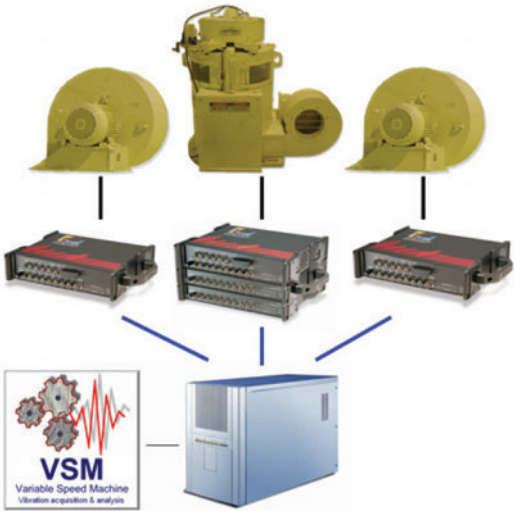
OUR APPROACH

Bureau Veritas' experienced vibration monitoring technicians work with you to establish a table of vibration monitoring points to be included in the installation. Once this is complete we will then prepare a bill of materials and schematic plans for the permanent install. The install can then be conducted by your preferred labour supplier.

Once the install is verified to the satisfaction of all parties, the schedule of regular surveys will begin. Detailed reports will be delivered at the agreed frequency, while once-off and real-time event reporting will be available at any time. This results in reliable, consistent information stream to get the most out of your maintenance strategy.



FAQ – FREQUENTLY ASKED QUESTIONS

Who owns the hardware?

You do. This gives you the freedom to adapt your capital investment to your long-term business plans.

Who owns the data?

You do. The data is immediately stored on equipment placed on site, and backed up off-site at regular intervals. At any time you have the freedom to take the data and use it in any manner you wish.

Does the system scale?

Yes. The same system can be used to monitor from as little as a handful, to hundreds of points.

Who is responsible for maintenance?

The system is capable of detecting signal failures remotely. In the event of a failure we will inform you of the occurrence and recommend a speedy resolution. The repair schedule is then up to you.

Is there a service interval?

We recommend a six-monthly visual check and an annual calibration and dust filter change.

A SOLID **PARTNERSHIP**

In order to provide the state of the art technology and world class reliability that our clients have come to expect of Bureau Veritas, we partnered with the global leader in portable data acquisition systems, IOtech, and based Centurion's hardware on their ZonicBook platform.

For over ten years, Bureau Veritas has been developing its own world's best practice software solution for variable speed vibration analysis, known as VSM. The adaptation of VSM to the ZonicBook hardware made perfect sense.

With a unique combination of proven hardware and software, Centurion is a solid solution that you can rely on.

CONTACT

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FOR MORE **INFORMATION**

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