

RYOBI GEOTECHNIQUE INTERNATIONAL PTE LTD

Co. Reg. No. (200500891W)

Micro-Vibration Monitoring

Many venues and facilities with vibration-sensitive equipment have critical vibration parameters that must be met. These vibration-sensitive facilities are adversely affected by vibrations, including those that are below human perception thresholds. In such cases, more sophisticated monitoring systems are necessary to measure and assess the potential adverse effects of low-scale vibration to the facilities.

Ryobi-G has the team of experts that are able to detect and analyze low-scale ambient vibration efficiently, economically, and unobtrusively through our microvibration monitoring system. With our expertise and sophisticated system, we can help you to complete your project in a manner which is fit for purpose, compliant with standard requirements, and efficient in preventing future damage to your operation.

From research labs to heritage sites, our expert team is dedicated in finding the right solutions to meet sensitive requirements for a multitude of diverse environments found in today's facilities.





Why Us?



HIGH DYNAMIC RANGE

Our system has tolerant to noise, making it suitable for acquiring highly accurate readings.



FAST

We provide a fast end- to end and easy deployable system in any location of interest, allowing fast diagnosis and instant action to be taken



REAL-TIME DATA

Continuous data is highly accessible and key personnel is alerted when vibration limit is exceeded, allowing immediate remedial action to be taken.





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How Does Micro-Vibration Monitoring Works?



Accelerometer is fixed to determined spot and the vibration for a set period is measured



Video camera/CCTV is deployed together to monitor for vibration source



Data is analyzed, spikes and abnormal readings are identified to check for potential vibration source



Continuous data is accessible, and real time alerts are sent out once abnormal vibration is detected



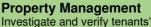
Vibration monitoring and assessment in a vibration sensitive facility

What Can The Service Be Used For?



Laboratories & Clean Rooms

Helps key personnel to ensure the equipment and ambient conditions are up to the required standards operation.



Investigate and verify tenants' complaints of bothersome vibration events in the property



Hospitals & Healthcare Facilities

Monitor vibrations in sensitive areas such as microsurgery suite, operating room, and area with devices such as MRI

Site Survey

Analyse site's vibration to determine the suitability of the land's condition for a certain type of structure





Heritage

Asses the impacts of ambient vibration towards delicate heritage structure for preservation of cultural site