P-CON

P CON Instrumentation Sdn. Bhd. [Company No.: 202001008760 (1365080-H)]

REAL-TIME Monitoring Services

- Settlement & Movement (Structural, Ground & Building)
- Noise & Vibration
- Tilt & Rotation
- Structural Cracks
- Verticality Assessment

INSTRUMENTATION

REAL-TIME Geotechnical Instrumentation & Monitoring Specialist - it is CRITICAL to know about potential problems sooner rather than later

WHAT is REAL-TIME monitoring?
REAL-TIME geotechnical monitoring is a technique which continuous or frequent measurements are taken at the monitoring points to provide better prognosis and diagnosis of soil investigations.

WHY using REAL-TIME monitoring?
To provide accurate, reliable and timely detections of any potential risks related to the soil movements to the target structures or grounds/ sites. It also helps to pin-point the areas where need repairs or rectifications.

WHO needs REAL-TIME monitoring?
- Main and Sub contractors.
- Properties owners whose own properties are near (i.e. < 30m) to heavy construction activities.
- Building or infrastructure maintenance teams.

WHEN you need REAL-TIME monitoring?
REAL-TIME monitoring is critical during the period of major or heavy construction activities, e.g. piling, excavation etc.
It is also useful on critical structures when external forces/ incidents are expected, e.g. rain seasons, carloads during festive seasons, etc.

HOW we do REAL-TIME monitoring?
REAL-TIME monitoring is achieved via installing 3G-enabled data loggers and cameras to the existing geotechnical sensors on the fixed monitoring points, to feed data out from the sensors to the Cloud Servers. Battery-powered units are available for monitoring on rural areas where power supply is not available.

WHY CHOOSE OUR REAL-TIME MONITORING?
We have large number of trained personnel to perform design & planning, deployment and site data collections in REAL-TIME monitoring for soil, ground and buildings for our clients. Unlike the other service providers in Malaysia, the sensors were optimized to be able to operate without any human intervention for 6-9 months in the harsh outdoor environment, e.g. construction sites, MRT tracks and residential apartments. All the sensors can be controlled remotely via 3G connection, to provide the soil measurement data with the least lag time. We are cost-effective.

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