



The complete solution for **static SHM**, **dynamic SHM** and geotechnical and environmental monitoring • Pre-construction • Temporary works • Excavation and foundations • Structural Health Monitoring • Pre-construction • Temporary works • Excavation and foundations



Nearby buildings stability

Settlement, inclination, deformation, cracking, and environmental factors



Nearby buildings vibrational analysis

duration, direction, modal analysis, and

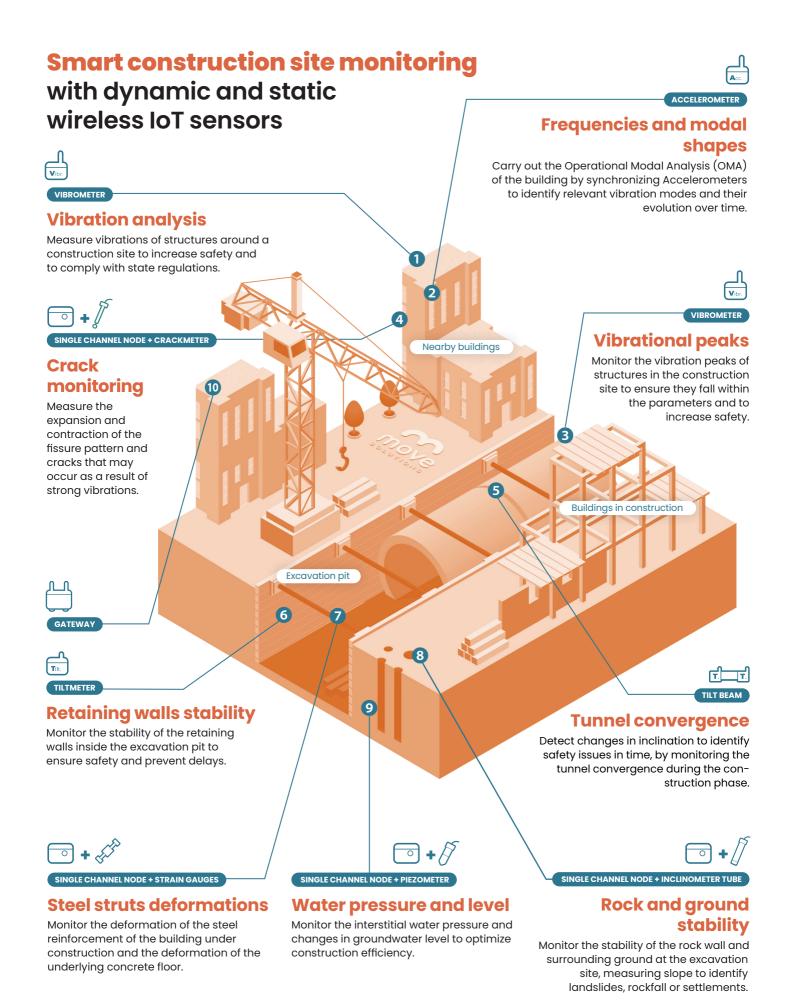


Excavation pit stability



Ground deformation

Soil movement, groundwater level, strain, and settlement





Wireless sensors for construction site monitoring

• Pre-construction • Temporary works • Excavation and foundations • Structural Health Monitoring



ACCELEROMETER

Measure acceleration (mg) and frequency (Hz) on three axes, synchronizing devices for modal analysis.



VIBROMETER

Measure triaxial vibration parameters with complete analysis of speed (mm/s or inch/s), frequency and amplitude of the vibrations.



TILTMETER

Measure rotation, ground deformation and triaxial tilt changes, with the option of synchronizing devices to better assess the stability of structures.











SINGLE CHANNEL NODE

Make geotechnical and environmental probes suited for wireless communication and receive alarms for threshold breaches.





GATEWAY

Collect data measured by the sensors and transmit them to the MyMove IoT Platform where they will be processed and analyzed.



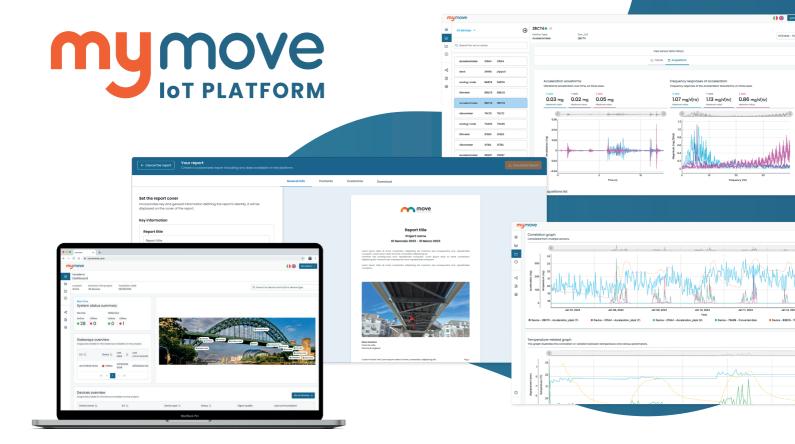


TILT BEAM

Measure the degree of slope or tilt over a larger area with a series of Tiltmeters attached to a bar.

All our sensors are **battery-powered** and they measure **temperature**.





All-in-one

Comprehensive structural analysis for efficient monitoring

User-centered

Designed to meet and anticipate your needs

Intuitive interface

Clear and simple design for a smooth user experience



Manage

Efficiently oversee your projects with ease, monitoring multiple structures through a single account. Configure multi-level severity alarms for proactive risk management, ensuring timely responses to potential issues and improving the safety of your structures.



P **Explore**

Delve into historical data, accessing comprehensive trends and detailed acquisition lists. Uncover hidden patterns and anomalies for a complete understanding of your structure behavior, aiding in predictive maintenance and strategic planning.



Analyze

Interpret complex data with advanced analytics, comparing graphs and generating customized reports.

Transform them into actionable insights, for informed decision-making and improved longevity and safety of your infrastructure.

Be in control of your structural monitoring, anywhere you are.







Smart Structural Health Monitoring

A comprehensive solution

Our Smart Structural Health Monitoring (SHM) system offers a complete solution that helps detect potential issues before they become critical, ensuring the safety and longevity of structures.



Wireless system

Avoid expensive and complex installations thanks to battery-powered, LoRaWAN-based and long-lasting devices.



Remote monitoring

View all sensor-collected data on our MyMove IoT Platform, accessible from any computer at any time.



Threshold setting

Configure sensors according to your needs to receive automated alerts of threshold breaches.

Static SHM

Static structural health monitoring measures slow-varying parameters over a long period of time, such as inclination, rotation, static displacement, and crack monitoring. This type of analysis is appropriate for structures that are subject to gradual load changes.



Dynamic SHM

Dynamic structural health monitoring is used to handle dynamic loading, such as frequencies, dynamic displacement, modal forms, vibrations and accelerations. This type of analysis is suitable for structures subject to fast impacts involving frequencies and vibrations.



Geotechnical & environmental

Geotechnical monitoring focuses on ground movement, settlement, slope stability, subsidence and any changes that affect the structure stability. Environmental monitoring looks at factors like air quality, water level, soil contamination, wind speed and anything that accelarates structure degradation.



SMART CONTSTRUCTION SITE MONITORING









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