

MyMo

Filling the gap between visual inspection and permanently installed SHM



Portable, contactless structural-response
measurement system.



IDS GeoRadar is the leading provider of Ground Penetrating Radar (GPR) and Interferometric Radar solutions worldwide.

www.idsgeoradar.com

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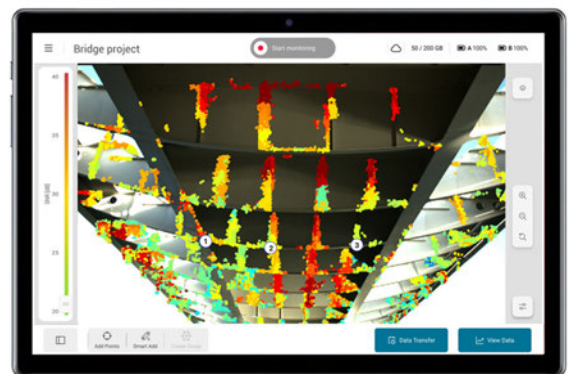
MyMo is a portable, contactless structural-response measurement system that combines multiple technologies into a compact device to measure how structures move and vibrate under real load conditions, without installing any temporary sensor network. MyMo helps assess more structures, more frequently, by capturing contactless vibration and displacement data that engineers can use for screening, load tests, OMA and monitoring workflows.

Adding a new scalable measurement layer

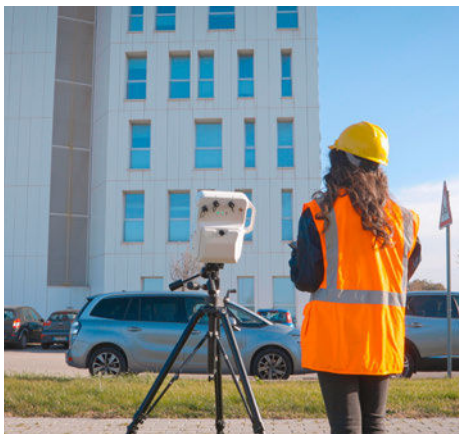
MyMo brings a new operating-model to structural monitoring, combining interferometric radar technology with photogrammetry into a single device to support screening, dynamic characterisation, load-test measurement, engineering analysis and model calibration.

Photogrammetry creates a detailed three dimensional model of the structure, with the possibility to select multiple monitoring points that **radar interferometry** measures remotely.

MyMo can be deployed across multiple structures and repeated over time, helping determine where deeper investigation or permanent SHM is justified.



Intuitive tablet interface for multiple monitoring points selection and management



Flexible, versatile and scalable

MyMo supports **repeat measurement campaigns** or **assessments** across **multiple structures** from bridges, buildings, and towers to dams and wind turbines - providing results with **sub millimetric accuracy**. MyMo allows for real-time data collection that addresses the need to perform **rapid measurements complementing** inspection, contact sensing and **permanent SHM**.



Portable & easy deployment by single operator

Designed as a **compact, portable, tripod-mounted system**, MyMo weighs only **4.3 kg** and offers to trained engineering users a **rapid one-person deployment**. By measuring how structures move and vibrate, MyMo adds a **scalable measurement layer** between visual inspection and permanently installed monitoring, providing **objective displacement and vibration evidence** for qualified engineering decisions.



Measure more structures, more often

Engineering teams need rapid, objective structural-response measurements between inspection and fixed monitoring to **optimise costs and resources**. MyMo is the measurement tool making this possible without instrumenting the structure and **no operational disruption**. MyMo is able to measure, compare and prioritise more assets: screen broadly, diagnose rapidly and instrument selectively.

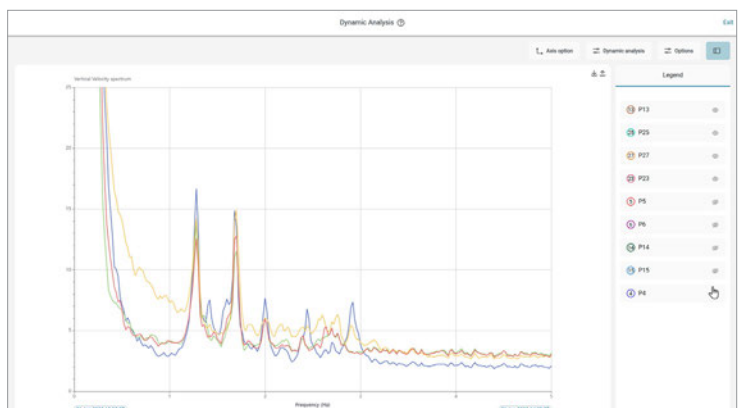
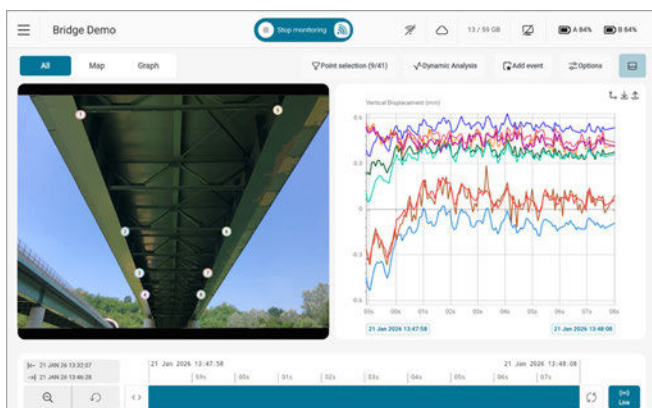


SYSTEM SPECIFICATIONS

- Max measurement distance: 400 meters
- LOS Displacement Accuracy: 0.1 mm *
- Acquisition Rate:
Up to 400 Hz (Dynamic mode)
15 seconds (Static mode)
- Spatial Resolution:
0.2 m x 1.8 m at 100 m
0.4 m x 3.6 m at 200 m
0.8 m x 7.2 m at 400 m
- Field of View: 30° horizontal x 30° vertical
- Batteries Autonomy: 5 hours, hot swap
- 24V DC / 220v-110v AC input
- Power consumption: 28W
- Dimensions: 32 cm x 27 cm x 11 cm
- Weight: 4.3 kg
- Environmental resistance: IP 65
- Operating Temperature: -20°C / +50°C
(+40°C with direct sunlight)

Certifications: CE, UKCA, MIC (Japan), MTC (Perù).
Canada (ISED user licensing required)

* Instrumental accuracy measured under stable atmospheric conditions on a stable target with SNR > 30 dB



MyMo provides evidence on vibrations and displacements supporting engineering and portfolio decisions



IDS GeoRadar

IDS GeoRadar, part of Hexagon, provides products and solutions, based on radar technology, for mining, civil engineering and monitoring applications. The company is a leading provider of Ground Penetrating Radar (GPR) and Interferometric Radar solutions worldwide.

IDS GeoRadar is committed to delivering best-in-class performance solutions and to the pursuit of product excellence, through the creation of application-specific, innovative and cost-efficient systems for a wide range of applications including mining, utility detection and mapping, civil engineering, geology, archaeology and public safety.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 16,000 employees in 50 countries and net sales of approximately 3.7bn EUR.

Learn more at hexagon.com and follow us @HexagonAB.

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