



Advanced SHM with GeoSMART

GeoSMART is an innovative graphical application that provides tools for realtime structural health monitoring for civil engineering structures. GeoSMART, with its “smart” features, can monitor and display the status of a structure that is equipped with GeoSIG measuring instruments. GeoSMART is S2HM in a Box; it has been designed to meet fundamental engineering requirements with respect to structural health monitoring applications.

Why GeoSMART for your SHM needs?

Accurate & Reliable Data Acquisition:

- ▶ GeoSMART leverages state-of-the-art accelerometers, tilt, temperature, wind sensors, and can accept any analogue sensor type to capture precise and comprehensive data.
- ▶ Exceptional signal-to-noise ratio ensures accurate detection of subtle structural changes.

Advanced Data Processing & Analysis:

- ▶ Powerful software enables real-time data monitoring and analysis of structural health parameters, helps identify most affected areas of a structure in case of an impact, and provides statistics of long-term trends.
- ▶ Text-based data empowers seamless post-processing using any industry-standard analysis tool.

Scalable & Customisable Solutions:

- ▶ GeoSMART allows for flexible system configurations tailored to specific project requirements.
- ▶ Remote monitoring and data access.

Robust & Reliable Performance:

- ▶ Engineered for demanding environments, GeoSMART systems deliver consistent and reliable performance, ensuring long-term data integrity.
- ▶ Designed for long term installations.

GeoSIG's Proven Expertise:

- ▶ Benefit from decades of experience in seismic and structural monitoring, backed by a team of expert engineers and support professionals.

GeoSMART Report Level 2 for XXXXX

| Overall Status | Subject | Created at |
|--------------------------|----------------------|---------------------|
| Potential damage: Slight | Level 2 Notification | 2022-05-12 10:26:47 |

Slight damage may have occurred.

Interpretation:
 Building can be evacuated if concerns are high.
 Re-occupancy is possible only after site engineer's OK.
 In case of any doubt, consult the site engineer or the building superintendent.

| 3D Status | Color code | Unaffected | Very lightly Affected | Slightly Affected | Moderately Affected |
|----------------------|------------|------------|-----------------------|-------------------|---------------------|
| View from North-West | | | | | |

Detailed information

Further information and data is reachable at <http://www.geosig.com/>

Disclaimer

This report provides information based on user defined parameters, states and thresholds and must be evaluated in combination with expert opinion. It can not be used as the single ultimate tool for decision making or safety. GeoSIG Ltd assumes no liability or responsibility with respect to any claim, loss or damage alleged to occur due to use of this report. Content is subject to limitations from process assumptions and uncertainties.

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GeoSMART: The Intelligent Solution for Structural Integrity.

Contact us to learn more and schedule a demonstration:

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