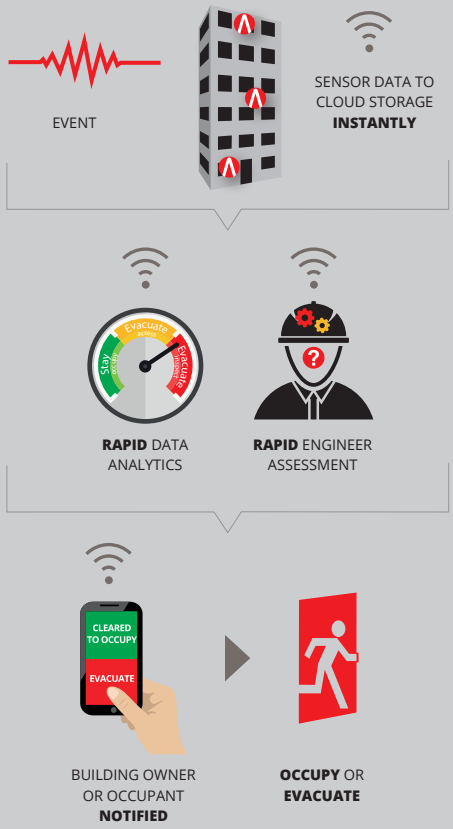
TremAsense®

MAKING THE INVISIBLE VISIBLE

Affordable Wireless Seismic Monitoring for Buildings



- **Cost effective OPEX solution**
- **Tried and tested components**
- **Near real-time alerting**
- **Enables rapid engineer assessments**
- **Facilitates rapid occupancy decisions**
- **System tuned to each building by engineers**

Low cost, continuous monitoring of building movement & behaviour for any level of seismic event!

With TremAsense you can:

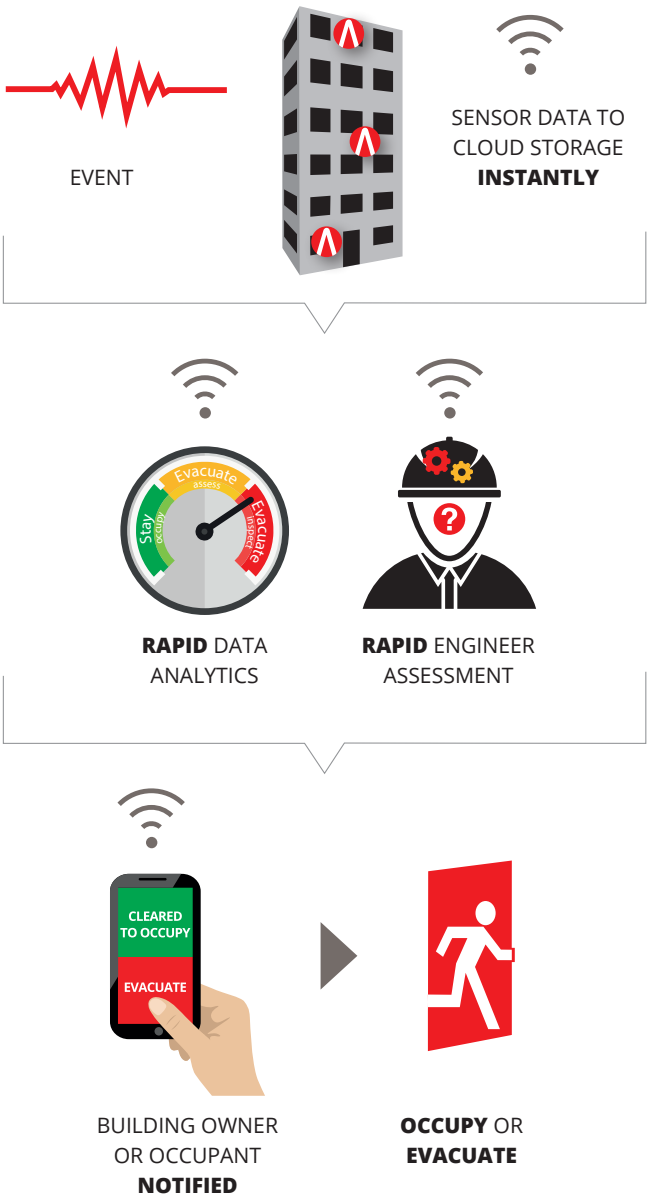
- Get accurate and accumulating data on building movement & behaviour from seismic activity, 24/7.
- Enable faster, more reliable engineering assessments of structural damage potential or occupant safety risk.
- Demonstrate that reasonable steps were taken with discharge of duty on HSWA compliance.
- Provide evidence for more favourable insurance premiums and quicker processing of claims.

About TremAsense

- TremAsense NZ Ltd is a Wellington-based big data analytics company with a low cost, Cloud service offering that continuously monitors and logs building movement & behaviour resulting from any level of seismic event.
- TremAsense has a shareholder mix of technology and natural hazards sector experts, both here and overseas.
- TremAsense's mission is to provide government authorities, property owners, engineering companies and the insurance industry with a more valid risk matrix and rapid building usability assessment, by increasing the quantity of assessable data from a much wider footprint, and with significantly less cost, than legacy systems permit.

TremAsense Solution Set

- TremAsensor seismic sensoring units with multi-processor capability and multi-axis measurement to USGS standards.
- 3G/4G wireless communications layer.
- Enterprise-class data monitoring with rules engine and risk-scored alerting.
- Cloud-based data management and storage with detailed analytics reporting via the TremAsense web portal
- Implementation, configuration and system support
- Quick to implement and priced so all can afford!



Built on 21st century architecture specifically desi

What engineers told us they were looking for	What engineers told us they were frustrated by
Total systems focus comprising sensors + wireless communication + Cloud-based console + GIS reporting with threshold – triggered event recording and risk alerts.	Sensor – centric focus with limited software layer for event recording analysis, risk assessments or alerts.
Software-centric, open standards architecture with modular off – the shelf components, flexible configurations and easy data share.	Proprietary systems architecture, challenging to configure with limited data share.
Quick implementation & flexible relocation with remote configuration and auto – updates via the Cloud. No costly cabling required.	Fixed infrastructure network requirement means longer implementation cycles, less flexibility around location and considerable advance planning
Near real time alerts and data retrieval from the Cloud based on mobile communications layer. Typical alerting within 60 seconds of shake ending. On-board data storage for redundancy.	Unacceptable time duration and overly complex mechanisms for data retrieval, collation and reports.
Mobile 3g/4g communication to the Cloud. Wireless and easily deployable.	Expensive ethernet or wiring installation required resulting in longer installation times.
Affordable, opex – based business model with flexible subscription on demand.	Costly, capex – based with high bind – in on fixed contract terms.
Globally – focused commercialization layer based on scalable architecture with agile development cycles and channel – led rollout & support.	Blurred commercial emphasis with local market growth ambitions only and challenging partnering ability due to market sensitivities and core competency overlap.
Dedicated team with **big data core competencies and partnership – orientated**, collaborative approach.	

gned to meet the needs of structural engineers!

Contact Us

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Recent events are a sharp reminder that complacency is not an option in the event of major earthquakes.

Ensure your buildings are risk assessed based on real data and don't leave occupant safety to chance!