



Rezatec
Analyzing Earth Data

ACTIVE PROPERTY RISK MONITORING

INFRASTRUCTURE / SUBSIDENCE RISK & ASSET MANAGEMENT

COMMERCIAL DECISION SUPPORT

Rezatec helps organisations to make critical business decisions about their land-based assets through the sophisticated analysis of Earth Observation (EO) imagery and data. By using proprietary algorithms, machine learning and data modelling we provide actionable intelligence to support a holistic asset management approach with critical asset monitoring, terrain motion detection and predictive risk analysis.

With subscription-based online access to our geospatial data intelligence portal, customers benefit from our expertise and regularly updated, unique analytical insights, which mitigate risks and reduce costs.

CONTACT US

info@rezatec.com
+44 (0)1865 817 500
www.rezatec.com



MONITORING CRITICAL ASSETS AND DETECTING TERRAIN MOTION

Terrain Motion in the form of both subsidence and ground uplift can cause major problems for home owners and insurance companies. Traditionally, insurers have used a combination of statistical analysis and historic records to calculate the risk of subsidence to a property and this drives the decision on whether to underwrite an insurance policy.

Rezatec can provide a highly accurate active monitoring programme which identifies areas where terrain motion is currently occurring across the UK. This is calculated through the interpretation of satellite data using specialist techniques and advanced analytics. This information can feed in to the intelligence that insurers use to calculate premiums, increasing their accuracy and helping to mitigate risk therefore providing an innovative and highly efficient way to both detect and predict risk through the monitoring of terrain motion.

ACTIVELY MONITOR TERRAIN MOTION

- + Use satellite data to monitor and identify hotspots of terrain motion and vegetation intrusion that contribute to risk of asset damage
- + Identify woody vegetation near to property and other assets
- + Incorporate factors such soil type, underlying geology and weather in a powerful risk zone model
- + Frequently monitor critical assets, e.g. large commercial property or public buildings to detect anomalous changes in terrain motion
- + Engage all stakeholders with interactive, dynamic and easy-to-understand maps, graphics and alerts

REDUCE RISKS, INCREASE ACCURACY AND SAVE MONEY

- + Reduce the risk of insuring property across the UK by acting on satellite-derived intelligence.
- + Employ an active monitoring approach which draws on regularly updated data inputs.
- + Understand which properties are located close to incidents of subsidence or uplift
- + Build risk models based on terrain motion and vegetation proximity
- + Increase accuracy by incorporating geospatial datasets such as soil type, geology and weather data
- + Reduce the risk of liability and claims

