

THE POWER TO KNOW WHAT YOU DON'T KNOW

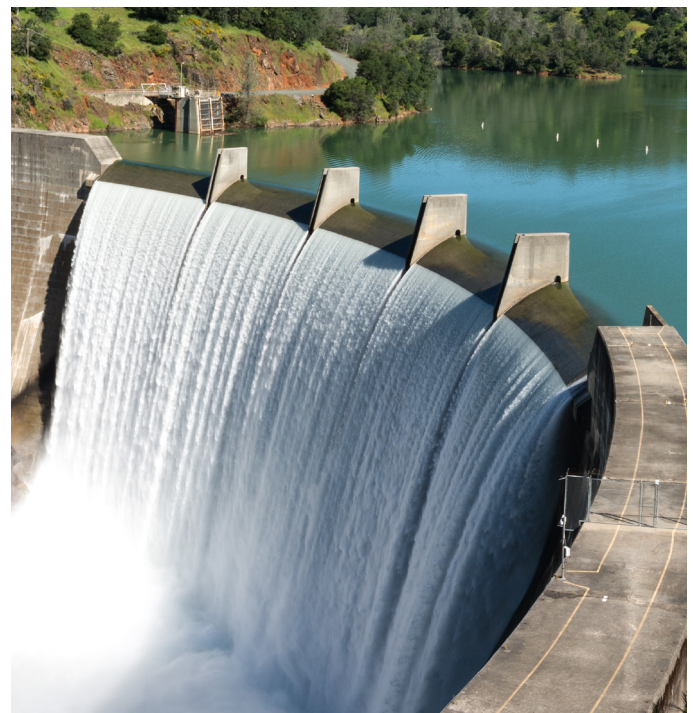
Reduce the risk of catastrophic failure and drive large-scale operational efficiencies remotely.

Providing an estimated Opex cost reduction of 50% saving \$1.4m p.a. with ROI in 6 months*

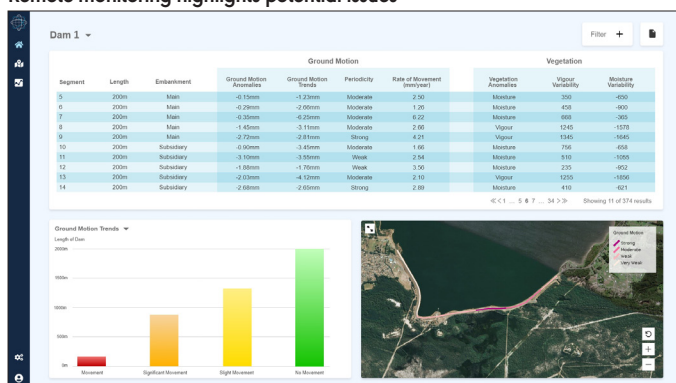
Business challenge

Dam owners and managers need to have more understanding of their dams and modernize how they monitor the conditions and potential risks. While also looking for ways to reduce operational costs and wastewater, maintain supply and improve dam safety, reporting and compliance.

- Most dams, reservoirs and dikes were built between 100 and 50 years ago with less understanding of the effects of hydrological conditions and earthquakes, and many are in need of renovation.
- As populations expand, more people are living inside floodplains.
- Environmental change is intensifying both floods and drought putting greater stress on the design.
- The frequency of monitoring required to assure their structural integrity is not always feasible.
- Dams are often built in remote locations, making manual surveillance unsafe and expensive.



Remote monitoring highlights potential issues



Cost-effective continuous monitoring of your entire asset base

Dam Monitoring from Rezatec uses Geospatial AI to deliver the most frequent, accurate insights across many dams. Its unique retrospective analysis accurately highlights trends and anomalies. Continuous ongoing monitoring will alert dam owners to unusual changes in ground motion, vegetation and moisture levels, helping deploy resources to the right place at the right time.

- A clear continuous picture of your entire asset base
- Demonstrable OPEX cost reductions by cutting non-targeted inspection and maintenance
- Reduced safety risk and duty of care
- Clear, contextualized dashboard reporting

CONTACT US to find out how much Rezatec can save on your OPEX.
info@rezatec.com | www.rezatec.com

*Based on 100 dams visited 12x p.a. with an average site visit cost of \$2400 reduced to 6 visits p.a.



Product overview

This is the only service of its kind that remotely provides a detailed historical and current view of all your dams that alerts you to unusual changes in ground motion, vegetation and moisture - reducing reliance on site inspections.

Your subscription provides you with access to our interactive dashboard with alerts and notifications to flag anomalies and users can dynamically interrogate data using complex filtering to zero in on what matters across tables, maps and charts. Monthly updates ensure you are making judgements based on relevant information.

Our Geospatial AI

Dam Monitoring is part of Water SAT, our geospatial AI solution, which remotely monitors dams, water pipeline networks and the quality of large water catchments - at scale. Our clients use Water SAT to plan and optimize investment in their critical infrastructure and transform the way they manage water.

Rezatec uniquely combines remote sensing analysis with data science to deliver geospatial AI, enabling dynamic decision making for clients across the globe in water, agriculture, energy and forestry.

Our Geospatial AI detects topographic and vegetation changes over time using satellite radar and optical data to...

- Assess and flag trends, anomalies and rate of change outside seasonal norms to the nearest 2-3mm
- Deliver a dynamic picture from monthly temporal updates
- Provide retrospective analysis from historical records collated since 2016

[CONTACT US TO FIND OUT MORE](#)

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