

Geotechnical Monitoring - Tiltmeter



Real-time, continuous tilt monitoring for a variety of geotechnical applications.

Adroit is New Zealand's leading real-time environmental monitoring provider for councils, worksites, construction, civil and heavy industries.

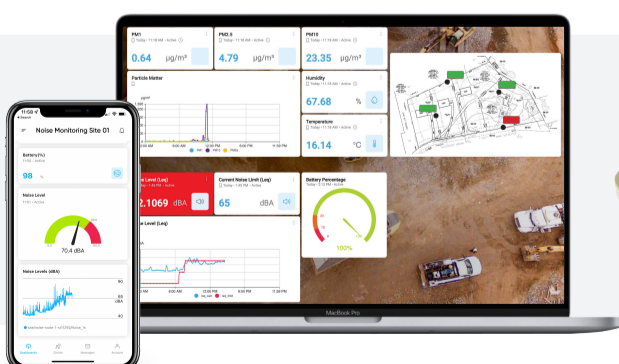


Tilt Monitoring

Adroit provides complete managed environmental monitoring solutions which include equipment, network connection, cloud platform, training, installation, servicing and support. The ability to continuously monitor environmental parameters in real-time like tri-axial tilt, on any type or size of worksite, provides data that can assist in critical decision making and site management. The data can also provide valuable insights to aid compliance and complaint mitigation, and can help ensure the site is a safe and healthy environment for employees and surrounding communities.

Adroit partners with EWS (Australia) as the NZ distributor for the EWS range of innovative telemetry solutions manufactured, tested, and field proven in Australia and New Zealand's toughest environments.

Environmental worksite monitoring gives your team access to real-time data which can be visualised on the Adroit App



Visualise tilt on your site from any connected device

Key benefits



Feature rich app

Customisable thresholds and alerts. Downloadable data and available APIs for integration



Real-time monitoring

Get a clear picture of tilt on your site at any point in time



Accurate and reliable measurements

Highly accurate, cost-effective, reliable, field proven and factory calibrated sensors measure various parameters



Adaptable installation

Tilt meter monitoring can be a fixed mount or pole mounted



Health and safety

Ensure a compliant, healthy and safe worksite for employees, communities and environments



Compliance and complaint mitigation

Historic and real-time data to aid management of compliance and complaint mitigation

Compliance Reporting

Adroit products provide accurate, cost effective, continuous monitoring to assist with health & safety, complaint mitigation and internal compliance management. Sensors are validated to compliance standards, however for some applications are not suitable for statutory compliance reporting. We recommend discussing your reporting requirements with your Adroit sales lead and where appropriate consulting a compliance specialist.

How it works



API's



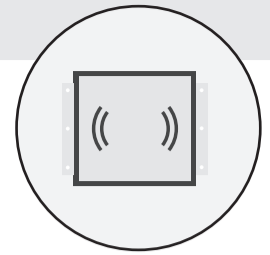
Notifications



Dashboard



Mobile App



Tiltmeter



Tiltmeter features

- Long life battery with a minimum of 5 - 10 years
- Robust build technology suited to harsh NZ environments
- Highly sensitivity at 0.001 degrees
- Operates accurately in wide range of environmental conditions. Temp range -20 to 60 °C
- In-built highly accurate tri-axial tilt sensor
- Tri-axial tilt sensor range -15 to +15 °C
- Suitable usage for a wide variety of construction, civil and industrial worksites



Tilt monitoring common applications

Tilt meters can detect even the smallest changes in slope or tilt, providing early warning of potential hazards such as landslides, sinkholes, or structural instability. This allows for timely action to be taken to mitigate risks and prevent damage. Common applications are geotechnical (construction and slope stability), dam safety monitoring, structural monitoring and a wide range of geotechnical and survey applications.

Tilt monitoring pricing

Pricing excludes GST

Monitoring solutions	Equipment & installation	Monthly plan	Recommended servicing
Tri-axial Tiltmeter	\$3,250	\$30	Yearly

Equipment finance and subscription pricing available on request



Adroit standard pricing includes upfront equipment and installation and a monthly plan. Adroit configures, installs and supports your environmental monitoring solution to meet your requirements. Adroit provides equipment servicing at locations nationwide. Client self-servicing option available with tools and training provided. Equipment warranty 12 / 24 months as per manufacturer.

Build a sustainable future with technology and expertise

Spark IoT is proud to bring the expertise of Adroit to our customers across the public sector, worksites, construction, civil and heavy industries.

Help your business prepare for the future with Spark IoT, contact your Spark Client Lead or iotsales@spark.co.nz to find out more.