

Water Monitoring – Flood Detection and Water Level

Real-time, continuous environmental monitoring for flood detection and water levels for a variety of water management applications.

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

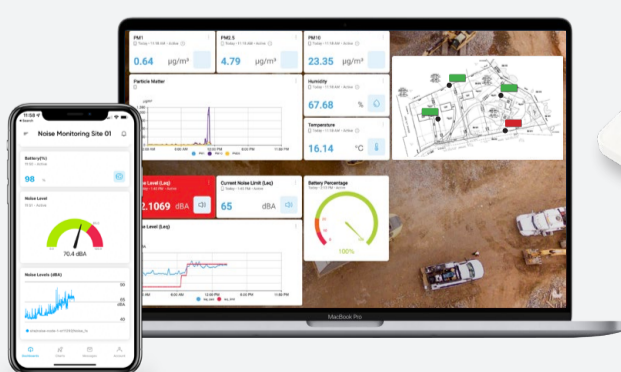


Flood Detection and Water Level Monitoring

Adroit provides complete managed environmental monitoring solutions which include equipment, network connection, cloud platform & app, installation, servicing and support. Continuous monitoring of water levels and the ability to detect floods provides valuable data and insights that can assist in critical decision making, and environmental or site management.

Flood detection and water level monitoring is a real-time solution which is accurate, cost-effective, reliable and suited to New Zealand's harshest environmental conditions. The solution can provide early warning detection of water level change, the sensor measures levels every 15min increasing to 5min during a warning breach. Connectivity via the Iridium satellite network ensures continuous data even when local networks are effected by weather events. It can also be paired and powered with a solar mount for remote locations.

Flood detection and water level monitoring gives you access to real-time data which can be visualised on the Adroit App



Visualise
water levels
and receive
alerts on any
connected
device

Key benefits



Data driven decisions

Real-time data and alerts aids critical decision making in response to environmental events



Real-time monitoring

Get a clear view of water levels from a range of water environments



Rich data sets

Visualise real-time and historic data to aid in environmental management



Accurate and reliable measurements

Highly accurate, cost-effective, reliable, field proven and factory calibrated sensor measures water levels



Health and safety

Help ensure a compliant, healthy and safe environment for employees and communities



Feature rich app

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

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



Flood detection and water level monitoring features

- High sensitive with vented atmospheric pressure compensation
- Measures every 15min increasing to 5min during a warning breach
- Cable lengths up to 1000m
- Rugged stainless steel construction for harsh environments
- Highly accurate operation in a wide range of New Zealand water environments
- Solar powered for remote install locations
- Optional tantalum construction for chemical environments



Flood detection and water level monitoring

Adroit real-time flood detection and water level monitoring can aid in safeguarding environments and communities that surround flood risk areas, offering key benefits that respond to increasing climate-related challenges.

Adroits flood detection solution takes highly accurate water level readings every 15 minutes, this can be increased to every 5 minutes during a warning level event. Detecting rising water levels and potential flood risks in real-time, enables you to take proactive measures before a threshold breach.

These systems enable deployment of resources effectively, such as guiding and coordinating response teams to areas at high risk. Adroit flood detection and water level can play a crucial role in enhancing disaster preparedness, minimising damage, and aiding communities near New Zealand's water environments.



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.

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