Weather Station Monitoring

Real-time, continuous environmental monitoring of multiple weather parameters for a wide range of worksite and industry applications.

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

adroit
Environmental IoT

Weather Station 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 weather parameters in real-time including rainfall, wind direction/speed, humidity, pressure, temperature and solar radiation 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 global leaders in compact weather stations, for a wide range of industrial worksites and commercial applications. The stations can be used on land (including cranes) and marine applications both for stand-alone measurement or integration.

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

Visualise the weather activity on your worksite from any connected device

Weather station monitoring key benefits

Feature rich app
Customisable thresholds and alerts. Downloadable data and APIs available for integration

Installation
Easy installation across a variety of mounting systems including cranes, surrounding buildings and on-site pole mounting

Claim days
Accurate historic data of worked and unworked site days for claim and planning purposes

Accurate site data
Highly accurate and factory calibrated sensors measure various weather parameters that can aid in strategic planning & site management
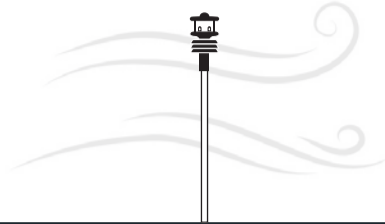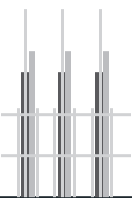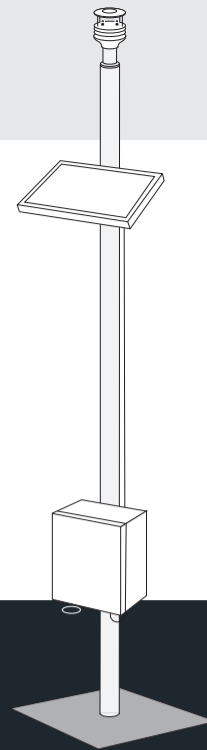
Health and safety
Ensure a compliant, healthy and safe worksite for employees, communities and environments

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

adroit platform

Weather station monitoring features

- High quality sensors provide reliable measurements
- No mechanical moving parts keeps operational costs low
- Integrated, multi-sensor design reduces deployment cost

- Low power mode for power sensitive applications
- Ability to monitor wind speeds from as low as 0.1 m/s with no mechanical inertia
- Applications include a wide range of industrial worksites and commercial applications

- Land and marine applications for stand alone measurement or integration
- Proven technology measures meteorological and environmental parameters to international standards
- Compass orientation for mobile mounting options including cranes

Weather monitoring common applications

Compact weather stations are popular due to their robust design, accurate measurement and ease of use. Typical applications include civil and construction worksites, general weather observation, pollution monitoring, horticulture and agriculture.

CMP currently utilises Adroit's real-time noise, vibration and weather monitoring stations on their Wellington based worksites and cranes

"CMP Construction Limited embraces Adroit technology to better our performance and enable proactive management - knowing we've got all this real-time data in our pocket is extremely helpful. Adroit technology means we can front foot any potential problems that arise with site specific data."

FLINN CLARK - WELLINGTON AREA MANAGER
CMP CONSTRUCTION LIMITED

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.

Spark nz **IoT**
hello tomorrow