

# WATER MONITORING SOLUTIONS FOR AGRICULTURE



INFINITY-IOT

# INFINITY REMOTE WATER LEVEL SENSOR



1% ACCURACY  
30cm to 5m range



LONG LIFE BATTERY  
up to 10 years



WATERPROOF  
IP67 waterproof enclosure



DESKTOP/MOBILE  
Coming Soon



LIVE DATA  
data visualisation  
CSV export



ALERTS  
create thresholds  
SMS/email alerts



# COST EFFECTIVE WATER MANAGEMENT

Water management is a critical aspect of farm environmental management whether it is for stock, household drinking or irrigation.

Infinity provides a complete solution to remotely monitor tanks, troughs, ponds and irrigation schemes.

The sensor is easy to install, discrete, and has a battery life of upto 10 years (at 15 minute measurement intervals). It requires minimal maintenance, leaving you more time to focus on what is most important. The sensor operates wirelessly on an existing radio network with 87% population coverage in SA and 90% in Europe. On demand coverage is available in rural areas where required.

You can view all your sensors on the Infinity Live webpage with real time level measurements across your entire property. Low and high water level alerts can be configured to send SMS and Email notifications providing advance warning of any issues.

Through our secure, cloud based API, Infinity Live also records measurements to analyse historical data and recognise seasonal trends so you can learn more about your farm, allowing preemptive management of water resources.

Infinity is currently being used in a wide variety of settings including flood detection, tidal monitoring, agriculture and city infrastructure. It is a thoroughly tested and reliable method of collecting valuable water level data.

Our mission is to provide reliable insights to better manage your precious water resources, and help society adapt to a changing environment. We pride ourselves on making a positive difference in the world and developing solutions designed for simplicity and flexibility.

Infinity is the most configurable, cost effective solution for monitoring your water systems.

# FEATURES



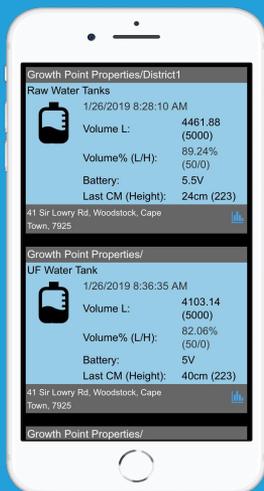
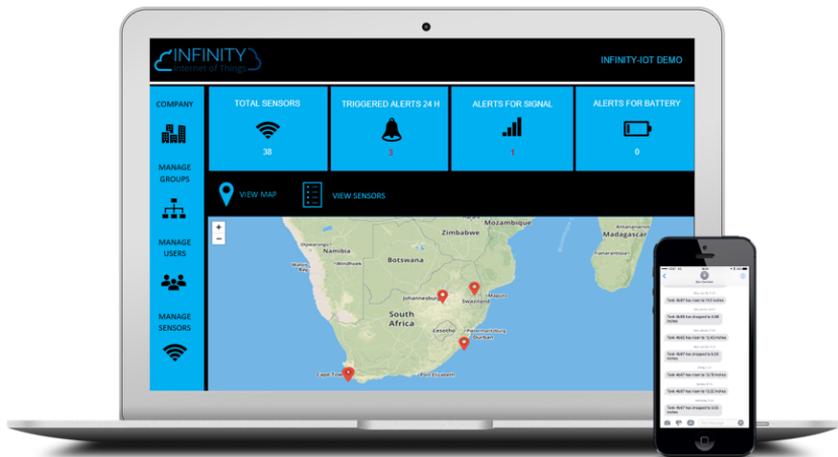
## REAL TIME ALARMS

- Rising or falling water level
- Sensor inactivity alerts
- Low battery indication
- SMS and email notification

# INFINITY LIVE

## DATA DRIVEN DECISIONS

Browse seasonal trends in the web based history charts



## REMOTE MONITORING

Mobile friendly  
Detailed live data  
Map view  
Share access and data

# RIVER AND STREAM MONITORING

Traditional river and stream level monitoring equipment is both expensive, and complicated to install.

Our sensor provides a cost effective solution to gain insight into the waterways flowing through your property. Effortlessly monitor rivers and streams to collect valuable seasonal insights, maximize water usage, and monitor flood risks.

The data produced by Infinity Live can also be used to identify relevant flows for water quality testing to assist in compliance monitoring.

Early flood warnings allow for livestock and valuable assets to be moved to higher ground and damage to be prevented. Waterwatch helps to ensure your property is protected from the unpredictability of natural waterways.



# WATER TANKS

Water is the worst thing to be without when you need it. Keep an eye on the most valuable resource for your home, land and livestock.

The installation of an Infinity sensor in your tanks removes uncertainty about water tank supplies saving you time. Infinity sensors enables early detection of blockages, leaks and pump failures, reducing remedial costs.

Infinity sensors use ultrasonic sensors to measure water levels at predetermined intervals and sends these measurements to your desktop or mobile device. Notifications are sent out by SMS and email when extremely high, low or rapidly changing water levels are detected. The level and timing of these notifications are all customisable.

Remain on top of ordering and refilling water supplies with notifications and alarms configurable on the Infinity website to ensure all areas of the farm are operating in the most efficient way they can.



# TROUGHS

Infinity can remotely monitor water troughs around the property to ensure every animal has their needs met. Check all troughs at every corner of the property from home, or anywhere in the world.

Easy to install and equipped with a 10 year battery life, the Infinity sensor is the simple, time saving and cost effective solution.

Use the Infinity App to set minimum thresholds and alerts for low water levels.

This means you are only running out to the trough when you know it needs attention. Infinity provides piece of mind and is the quickest, easiest way to ensure that all water systems are in working condition.



# DAMS AND PONDS

Dams and ponds are vitally important for irrigation and fresh water supplies. Infinity maximises irrigation potential with constant measurements and data collection to highlight any abnormalities.

The Infinity sensor measures water levels with 1% accuracy and is housed in a waterproof certified IP67 and durable enclosure making it extremely reliable. Historical data is saved to provide insight on seasonal or changing surface water storage.

Manage effluent pond storage and runoff within compliance boundaries. Infinity helps you to recognise any leakages, overflows and failures to water systems.

Dam failure can have catastrophic consequences if the structure is breached or damaged. Monitoring of water levels is useful to anticipate any problems and take action to be taken before failure occurs.



# TECHNICAL INFORMATION

## RADIO SPECIFICATION

SIGFOX Region RZ1

## ENVIRONMENT

Protection IP67  
Operating Equipment -20° C to +60°

## POWER

Battery Life 5+ years  
Power Supply Lithium Battery

## SENSOR PARAMETERS

Sensing Technology Ultrasonic  
Measurement Range 0.2m - 5m  
Measurement Resolution 1cm  
Default Measurement Interval 15 Minutes

## COMMUNICATION

Wireless Technology SIGFOX



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