

vanwaltCONNECT 

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**VAN WALT**

Monitoring your needs

# What is *vanwalt*CONNECT<sup>📶</sup>

*vanwalt*CONNECT<sup>📶</sup> is a versatile, accurate system which allows data from deployed sensors to be accessed from your desktop and shared between users to whom you give permission. Data that could protect property, life and deliver substantial cost savings.

Developed in-house by the  
Van Walt team

# How it works

Sensors are connected to a telemetry module which uploads the data at a frequency which is set by you, to a dedicated *vanwaltCONNECT* server. *vanwaltCONNECT* is evolving continuously with new features under development to make it easier to tailor every system to your individual project requirements.

# Web access to users

Users to whom you have given permission are allowed access to view or download data. Essential information delivered safely, securely, immediately and cost effectively - wherever you are in the world.



# Remote control of system

Sensor sampling rates, upload times and control of the system can be done remotely by a designated system administrator.

# Security of Data & Permissions

Data is held securely on our server for three months. As administrator you can allow different access permissions to different users.

# Downloading Data

Data can be downloaded for any time sequence. The file is generated as a .csv.

# Robustness of a telemetry system

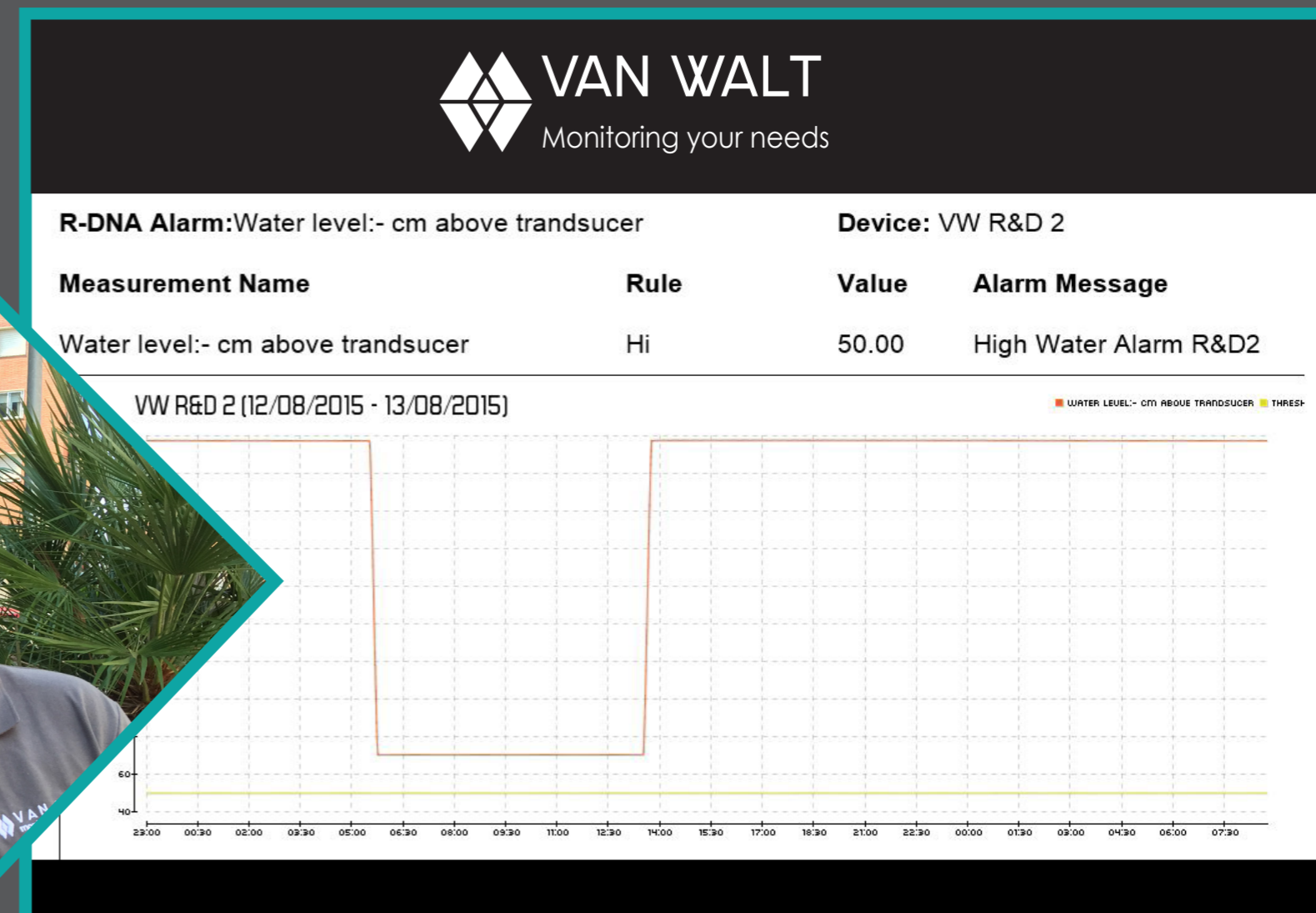
The *vanwaltCONNECT* system is very robust but in common with any telemetry it is reliant on a good power supply and adequate network.

# Reporting

Reports can be generated by you for any time sequence.

# Alarms

Alarms can be set by you for any parameter.



# Benefits

- Accurate
- Cost effective
- Consequences of not taking preventative action as a result of timely data far outweighs cost of system
- Flexible parameter alarms by email or SMS messaging directly from the sensor
- Control relays which means you can switch devices on & off remotely
- Can link control relays to alarms and parameters
- Alarms via email or SMS
- Sensor settings, alarms & upload times can be managed & changed from any web browser using our online user friendly interface or by SMS
- Short range wireless communication also available through Bluetooth



- Can measure a wide range of parameters: Water Level, Conductivity, pH, ORP, DO, Turbidity, Temperature, Floating Hydrocarbon and more
- Flexible; we can quickly adapt any system for bespoke projects
- Up to 30 sensors can be attached to each modem
- Long battery life to ensure low maintenance
- Solar power option available
- Full operative training
- Simple pricing structure
- Secure data storage
- Data forwarding to your own server
- Data presented in .csv table or graph formats
- Flexible for use with different sensors
- Robust & vandal resistant housing
- Easy to use interface to view or download data
- User friendly web based software – minimal training required
- Grant permission to users to allow access to data
- Fully backed by the Van Walt technical team.



# FAQs

## How do I know if there is adequate network coverage?

We can measure this for you. In poor signal strength areas we can fit a more powerful uni-directional antenna.

## How long can the system remain unattended?

The upload frequency and signal strength determine how much power the system will require. Different power options are available. An alarm can be set which alerts you when battery voltage is getting low. With a solar powered option a system could run for many years.

## How secure is the data?

We use a dedicated RAID server housed at Rackspace, the global leader in hybrid cloud solutions. Data is continually backed up and remains on the server for 3 months. Data should be regularly downloaded by you and stored securely on your systems.

## Does Van Walt provide training?

Yes, training is provided free of charge. The system is quite intuitive so training can be done in a half hour session and by teleconference.

## Does Van Walt provide an installation service?

Yes, this can be arranged.

## How do I know whether the system is working?

You will see the data arriving at the upload time. In addition you can set an alarm to alert you if the system has not reported within a certain amount of time, for example after 120 minutes from a scheduled upload.

## What happens if the system does not report?

There are built in diagnostic tools which can be used for troubleshooting. It is possible to send remote reset commands to restart the system.

## Which sensors can be attached?

In principle any sensor which uses the MODBUS RTU protocol.

## How are alarms received?

By an email or in some cases sms. You set who is to receive the alarms. Different recipients can be chosen and these can be remotely changed; for example when a member of staff is on holiday.

## What maintenance is required?

Some sensors require cleaning or calibration at regular intervals. For our high accuracy water level sensors a dessicant tube needs changing every 3-6 months.

## Can anyone else see the data?

Only those people to whom you give access. Access to users can be restricted. For example you might allow someone to view the data but not download it.

## What SLA does Van Walt offer?

Different Service Level Agreements are available. As standard we monitor your system's voltage.



# Applications

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- ◆ Flood risk monitoring
- ◆ Property care & protection
- ◆ Well, tank, tidal water level monitoring
- ◆ Wetland monitoring & surveys
- ◆ River, stream, reservoir gauging
- ◆ Surface & storm water runoff monitoring
- ◆ Resource administration
- ◆ Saltwater intrusion monitoring & tracking
- ◆ Agricultural runoff studies
- ◆ Discharge monitoring
- ◆ Single or multi well tracer testing
- ◆ Brackish water tracking
- ◆ Tidal influence studies
- ◆ Waste water treatment discharge tracing
- ◆ Rain water reservoir monitoring
- ◆ Refineries & tank farm safety monitoring
- ◆ Tank roof rain water monitoring
- ◆ Industrial plant waste water monitoring
- ◆ Downstream checking of the oil separators in water treatment processes
- ◆ Safety & environment monitoring in Petrol Filling Stations
- ◆ Detecting & identifying pollutants in rivers, lakes, canals & marinas
- ◆ Water table control pit monitoring
- ◆ Water table channelling protection
- ◆ Final outflow monitoring for groundwater remediation projects
- ◆ Measuring a range of water quality parameters & level

and more .....

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