



Water Meter Monitoring

The simple solution for increasing water efficiency

Observant's water meter monitoring system makes it easy to monitor and control water use, wherever you are. Our unique solution integrates with existing meters to create a single, intelligent management system that provides critical data in real time, for more effective decision-making. Designed for maximum reliability, efficiency, safety and sustainability, the Observant system suits every type of setting — urban to rural, production to environmental, local to large-scale.

How it works

The Observant system includes:

- a range of solar- or mains-powered monitoring units with embedded GPS capability
- a proven, robust wireless communication network that connects your Observant monitoring equipment via UHF radio, 3G and GPRS services, an existing internet connection or even satellite
- accessibility to a customisable, web-based information delivery service.

Designed for simple self-installation, or your reseller can provide a full installation service. You can also choose to:

- purchase your Observant equipment outright, or bundle it into a rental agreement
- operate your Observant system yourself, or take advantage of our web-based Observant Global service.

When your system is set up and ready to go, you will be able to:

- **capture and analyse data**, including water flow totals, flow rate, groundwater level, equipment identification, geographic location, and equipment health status such as battery condition, faults and diagnostics.
- **set up automatic alerts** for abnormal conditions and equipment failures so you can catch errors early.
- **check and troubleshoot your equipment remotely**, and reduce operating expenses like time, labour and fuel.
- **validate and share data appropriately** by authorising users and giving your stakeholders access to data subsets that meet their specific needs, via any internet connection including smartphones.

The Observant system will run autonomously with minimal intervention and maintenance.

How you benefit

The Observant system helps you manage your costs, risks and carbon footprint, so you get a fast return on your investment:

- fewer field trips to check meters manually
- early detection of errors
- remote validation, testing and troubleshooting
- richer, web-based data, automation and sharing.

Save time, save money, save water — and demonstrate outcomes with ease.



Managed Services Solution software interface



C2 water meter monitoring solution

Suits every setting and scale

We've invested many years of research and development to ensure the Observant system can be customised to suit your deployment needs.

We use mesh networking to bridge and combine different communication platforms into one intelligent system. As a result, our system can span vast geographic areas as well as small neighbourhood clusters, and overcome network coverage and terrain obstacles with ease.

Plus, most Observant systems are spatially aware with GPS embedded, which means your data is always coded with its geographic location.

Integrates with existing equipment

The Observant system has been designed, developed and tested in Australia to integrate with a wide range of meters — straight out of the box — to provide you with a single, easy-to-use system.

Water flow can be confirmed by cross-referencing with other monitoring devices such as soil moisture probes and water level sensors.

Full after-sales support is provided by Observant engineering staff in Australia and via our national network of resellers.

Offers full data portability

Observant Managed Service supports emerging water industry standards such as the Water Data Transfer Format (WDTF) and offers full data querying, export, migration and back-up capabilities.

Third-party solutions can be incorporated via published and documented web service interfaces.

Access to up-to-date, confirmed information 24/7 allows utilities and irrigators to validate water delivery and use, and takes the complexity and cost out of demonstrating outcomes to stakeholders.

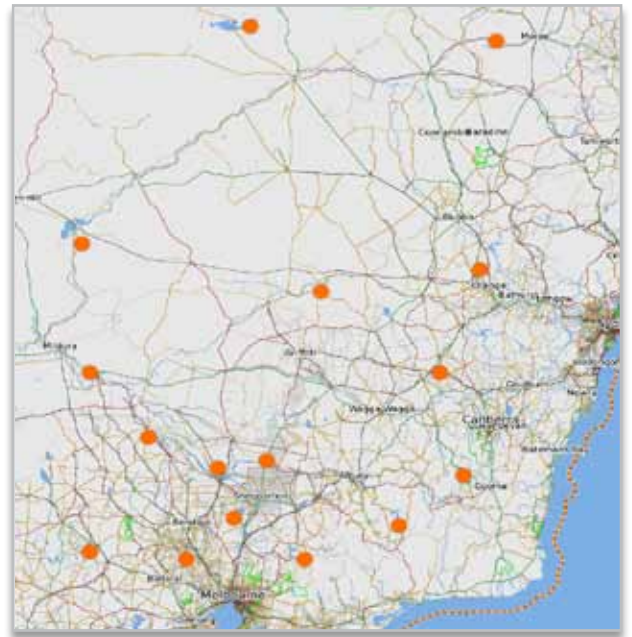
Designed by leaders in water technology

Australia is a developed economy with one of the driest climates on Earth, which is why it has become a global leader in water technology.

We design and develop all of our equipment and services locally, directly employ all of our customer service, support, project management and implementation staff from start to finish.

Recent water monitoring projects include partnerships with government and industry bodies around Australia.

- Dedicated installations for customers in the agricultural, dairy and waste water sectors, from single systems to multi-hundred unit deployments.
- Flow meter monitoring for the Water for Rivers project.
- Irrigation automation for Rice Research Australia in Jerilderie, NSW.
- Water monitoring for the Australian Conservation Foundation's 'Just Add Water' initiative at Hattah Lakes, VIC.
- Automation and monitoring of stock and domestic water supply for the NSW Office of Water funded by the Murray Darling Basin Authority.
- Residential waste water pump monitoring for a large urban water authority.



Large scale, dispersed deployments supported



Observant Pico unit embedded solution

OBSERVANT[®]

CONTACT DETAILS

Observant Pty Ltd
Level 1, 106 Victoria Street
Fitzroy Victoria 3065
Australia

AUSTRALIA:
Tel: 1300 224 688
Fax: 03 9923 6101

INTERNATIONAL:
Tel: + 61 3 8415 0288
Fax: + 61 3 9923 6101

info@observant.com.au
http://observant.com.au

AWARDS

2009 NAB Agribusiness Award for Excellence
Environment and Energy Management Award
Department of Agriculture, Fisheries and Forestry (Finalist)

2009 Endeavour Awards
Australian Consumer / Trade Product of the Year (Highly Commended)

2008 NAB Agribusiness Award for Excellence
Technology and Innovation Award
Australian Institute of Agricultural Science and Technology

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