

Managing Your **Smart Water Grid**

Product Deployment
Application Guide



Water Pressure

Designed for pressure-only monitoring requirements throughout your reticulated water network to capture low pressure events and pressure spikes.

- Leakage and Burst Monitoring in near real time
- DMA and NRW Applications
- High Value, Low Cost Permanent Site Deployment with proven reliability and minimal maintenance

EQUIPMENT PACKAGE INCLUDES

- Pre-wired/pre-built Premium Pillar Enclosure with integrated Solar Panel
- Site Sentinel® X1 4G Cat-M1/NB-IoT Cellular Data Logger
- Plug-and-Play Pressure Transmitter with hydraulic installation package

PACKAGE OPTIONS

- Pressure range of 8/12/16 Bar with 0.5% accuracy, optional 0.25% or 0.1% sensor accuracy, (16 Bar as standard)
- External Solar/Antenna Mast and high-gain antenna
- Full factory programming/Cloud Hosted Data Services

Water Pressure & Flow

Designed to complement pressure only stations with both Pressure and Flow Monitoring at strategic locations throughout your reticulated water network.

The end customer normally supplies a flowmeter of their choice, with models such as ABB Aquamaster 4 and Siemens MAG8000 being popular choices.

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PACKAGE OPTIONS

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- Full factory programming/Cloud Hosted Data Services



Water Quality Monitoring

Keep a close eye on water quality at strategic locations throughout your reticulated water network with free chlorine residual measurement.

- Constantly Monitor Potable Water Quality in Near Real Time
- Gain valuable insights into water quality via continuous online monitoring
- High Value, Low Cost Permanent Site Deployment with proven reliability and minimal maintenance

EQUIPMENT PACKAGE INCLUDES

- Pre-wired/pre-built Premium Pillar Enclosure with integrated Solar Panel
- Site Sentinel® X1 4G Cat-M1/NB-IoT Cellular Data Logger
- Plug-and-Play sensors with hydraulic installation package

PACKAGE OPTIONS

- Optional Pressure sensor
- External Solar/Antenna Mast and high-gain antenna
- Full factory programming/Cloud Hosted Data Services
- Sensors for measurement of pH, Conductivity, ORP, DO, Turbidity and Fluoride plus 10 others
- Water flow controlled saves up to 80% of sample water usage

Water Flushing

Designed to complement Free Chlorine Monitoring Stations, you can now remotely manage your Dead-End Water Mains to prevent water stagnation with the Site Sentinel® End of Line Water Flushing equipment package.

It is critical in long potable water lines or dead-end mains lines that water is flushed regularly to prevent aging / stagnant water to ensure consistent high quality water delivery to customers.

- Take Remote control of dead-end mains flushing tasks
- Schedule flushing on calendar schedule or in response to water quality alarms
- High Value, Low Cost Permanent Site Deployment with proven reliability

EQUIPMENT PACKAGE INCLUDES

- Pre-wired/pre-built Premium Pillar Enclosure with integrated Solar Panel
- Site Sentinel® X1 4G Cat-M1/NB-IoT Cellular Data Logger
- Plug-and-play solenoid valve controller, with failsafe operation

PACKAGE OPTIONS

- Flushing Line flowmeter to track flushed water volume
- External Solar/Antenna Mast and high-gain antenna
- Full factory programming/Cloud Hosted Data Services



About 37South

37South is an Australian Based Industrial Product Design and Engineering Company.

We design and develop class-leading ultra-low powered 4G Cat-M1/NB-IoT Cellular, Radio and Satellite based RTU and Data Logger products.

Under the brands of Site Sentinel[®], Site Sentinel Aeos[®] and Metermade[®], these products support industry-standard protocols such as DNP3 and Modbus for the Utility sector.

We have a long history of delivering innovative SCADA and Communications Systems Integration solutions in the Utility sector across Australia, and a rich heritage in the product design space for the Utility industry.

All Site Sentinel[®], Site Sentinel Aeos[®] and Metermade[®] products are proudly designed and manufactured in Australia, preserving our long standing commitment to supply Australian-made products to our end customers.

Due to their high reliability and our emphasis on product support, our products are trusted time and time again by leading utility organisations worldwide.

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