

Managing Your **Smart Sewer Network**

Product Deployment
Application Guide



Sewer Level Only

Designed for Level only monitoring requirements throughout your Sewer network to capture surcharge events and sewer backups before spills occur.

Avoid EPA penalties and large clean-up costs with these highly reliable sewer level monitoring packages.

- Sewer Manhole Surcharge Monitoring in near real time
- Monitor SSO, CSO and ERS applications for EPA Compliance
- High Value, Low Cost Permanent Site Deployment with proven reliability

EQUIPMENT PACKAGE INCLUDES

- Slimline Solar Equipment Bollard for low-impact installations or premium pillar enclosures
- Site Sentinel® X1 4G Cat-M1/NB-IoT Cellular Data Logger
- Plug-and-Play Level Sensor of your preferred choice either Hydrostatic, Ultrasonic or Radar

PACKAGE OPTIONS

- Choice of Slimline Bollard colour (green or charcoal)
- Optional second Level sensor to enable monitoring of both Manhole and ERS chamber levels
- Optional float level switch for backup high level alerting
- Full factory programming/Cloud Hosted Data Services

Sewer Rising Main Pressure

Designed to complement Level or Level and Flow Stations by providing Pressure measurement in Rising Mains at strategic locations throughout your Sewer network.

- Sewer Rising Main Pressure Monitoring in near real time
- Monitor rising main performance for pipeline leaks, bursts and blockages, monitor pumping cycles
- High Value, Low Cost Permanent Site Deployment with proven reliability

EQUIPMENT PACKAGE INCLUDES

- Slimline Solar Equipment Bollard for low-impact installations or premium pillar enclosures
- Site Sentinel® X1 4G Cat-M1/NB-IoT Cellular Data Logger
- Plug-and-Play Pressure Sensor, suited for constant immersion in sewer

PACKAGE OPTIONS

- Choice of Slimline Bollard colour (green or charcoal)
- Full factory programming/Cloud Hosted Data Services



Sewer Surcharge Alarming

Designed for single or dual point Surcharge monitoring requirements throughout your Sewer network to capture surcharge events and sewer backups before spills occur.

Avoid EPA penalties and large clean-up costs with these highly reliable sewer surcharge monitoring devices.

- Sewer Manhole Surcharge Monitoring in near real time
- Monitor SSO, CSO and ERS applications for EPA Compliance
- High Value, Low-Cost Permanent Site Deployment with proven reliability and long battery life.

EQUIPMENT PACKAGE INCLUDES:

- Site Sentinel® M1-001 or M2-001 4G Cat-M1 / NB-IoT Cellular Data Logger
- Integrated float switches with 5-metre-long cables and setpoint cable weights

PACKAGE OPTIONS:

- Pavement Antennas
- Stainless Steel swing-up mounting brackets
- Full factory programming / Cloud Hosted Data Services



Sewer Level + Flow + Image

Designed to complement Level only Stations by providing both Level and Flow Monitoring at strategic locations throughout your Sewer network.

Gain valuable insights into both sewer flows and levels during dry weather and wet weather events for operational insight, I&I studies, surcharge alarming and capacity modelling.

- Sewer Manhole Surcharge Monitoring in near real time
- Provides Sewer Level and Flow Measurement via Area-Velocity Flow sensor
- High Value, Permanent Site Deployment with proven reliability and minimal maintenance

EQUIPMENT PACKAGE INCLUDES

- Pre-wired / pre-built Premium Pillar Enclosure with integrated Solar Panel or Portable Travel case
- Site Sentinel® X1 4G Cat-M1/NB-IoT Cellular Data Logger
- Plug-and-Play Area-Velocity Flow sensor (Sewer Flow and Level)

PACKAGE OPTIONS

- Optional Colour JPEG Snapshot Image Capture Camera
- Optional float switch for surcharge monitoring
- 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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