“WE HAVE USED POINT COLOUR RTUS IN PAPUA NEW GUINEA FOR ALMOST TWO YEARS - THEY ARE MORE ADVANCED, LOW-COST, PLUG-AND-PLAY UNITS WHICH REALLY HELP US MONITOR OUR REMOTE EQUIPMENT.”

Pressure and flow monitoring helps utilities to identify and detect leakages and bursts within their networks.

Metasphere provides a range of sensors that can be combined with our state-of-the-art telemetry data-loggers to remotely monitor various parts of a distribution network. Our solutions make it easier for utilities to ensure that their networks are operating at optimal performance with limited water loss through leakages.

THE PROBLEM
Utilities face the challenge of lack of visibility and understanding of what is going on across their water reticulation networks, thereby being unable to manage them effectively and efficiently.

THE RISK
Unmanaged networks operate sub-optimally, wasting water and energy pumping water around inefficiently. Leaks frequently go unnoticed, resulting in expensive, highly-treated water being wasted.

THE SOLUTION
Installing remote telemetry units (RTUs) and flow and pressure monitoring points makes it possible to see how the network is operating and to actively manage it.
HOW DOES THE METASPHERE SOLUTION WORK?

Metasphere’s RTUs integrate seamlessly with almost any flow meter and pressure transducer and can be easily and quickly deployed at low cost. The Point Colour RTUs power up the sensor and take regular readings, typically every 15 minutes.

Data is transferred back to client control systems (ClearSCADA, Mosaic, OSI Soft) or Palette – Metasphere’s own web-hosted telemetry platform on a pre-set regular basis, typically once a day.

The Point Colour RTUs ‘Report by Exception’ - meaning they dial into the control system and transfer data and trigger alarms - immediately if a sensor measurement is outside a use-configured threshold.

A low flow or pressure alarm, for example, may indicate a leak or burst on the network. Consistently high flow or pressure alarms may indicate that the network infrastructure, the pipes in particular, are under too much stress and may burst, or that power savings could be made by reducing the network pressure.

FIND OUT MORE!

If you would like to monitor and control flow and pressure, get in touch to find out how Point Colour RTUs can transform your network.

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