

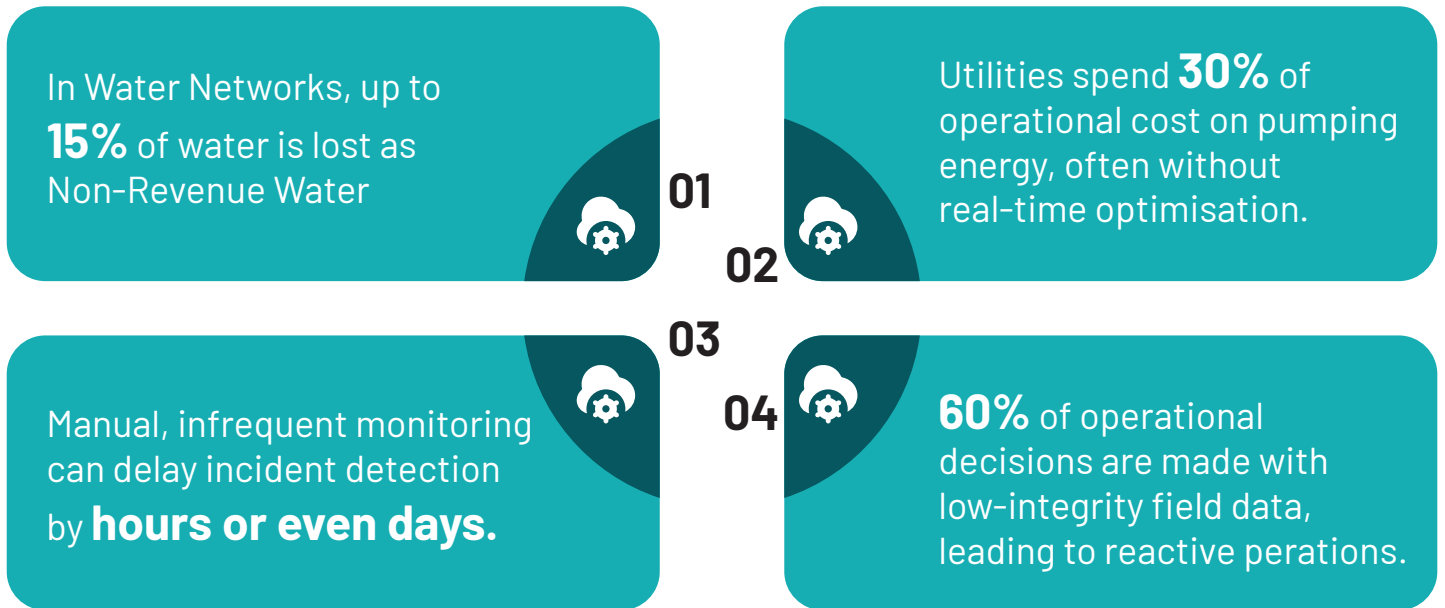


Water, Water Everywhere

Digitally Empowered with our IoT Platform “Metiz AquaSPARC”

*Real-time visibility and smarter decisions
for every part of your water network!*

The Field-Level Blind Spots Affecting Water Utility Operations

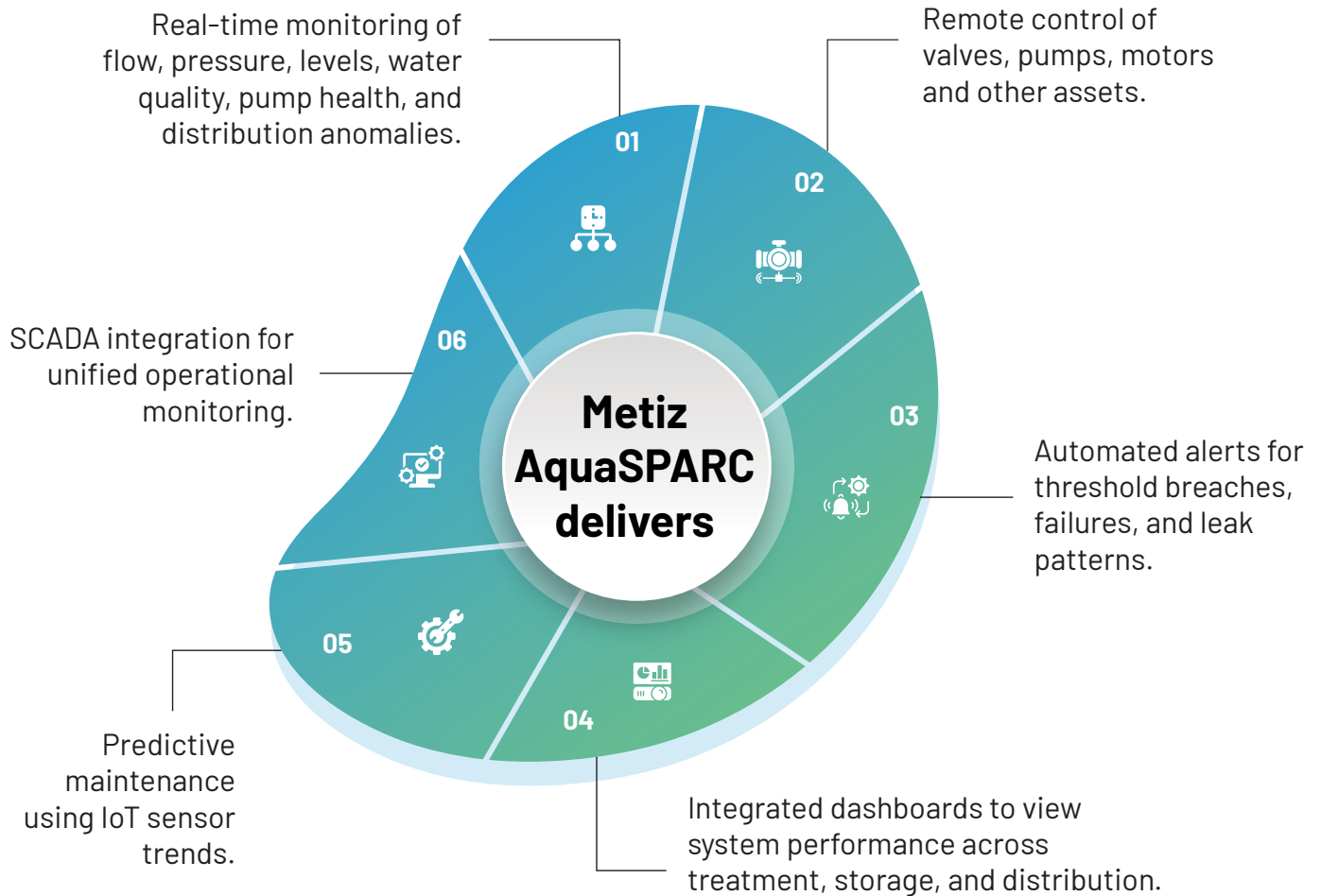


Key Challenges:

- 1. Lack of real-time visibility into water levels, flow, pressure, and quality across distributed networks.
- 2. Manual monitoring causing delays in fault detection and high maintenance downtime.
- 3. High Non-Revenue Water due to leakages, pilferage, and untracked wastage.
- 4. Energy inefficiencies from uncontrolled motor and pump operations.
- 5. Absence of an integrated SCADA dashboard for central monitoring and control.
- 6. Difficulty in predictive maintenance of pumps, motors, and valves.
- 7. Unreliable field data forcing reactive decision-making.









Meet Metiz AquaSPARC: Your end-to-end IoT-enabled SCADA platform for reliable water network intelligence.



The Hardware Capabilities of Metiz AquaSPARC



Sensors & Meters

Captures accurate, real-time field conditions across treatment, storage, and distribution. Includes:

-  Flow meters
-  Pressure sensors
-  Level transmitters for reservoirs/ borewells
-  pH, turbidity, TDS, chlorine sensors
-  Temperature transmitters
-  Gas / odour sensors for wastewater




Quality & Compliance

Ensures long-term reliability and regulatory alignment. Includes:

-  Certified OEM hardware
-  Pollution Control Board-approved suppliers




Metiz Edge Gateway

Securely collects, process, and transmits field data for faster decision-making. Capabilities:

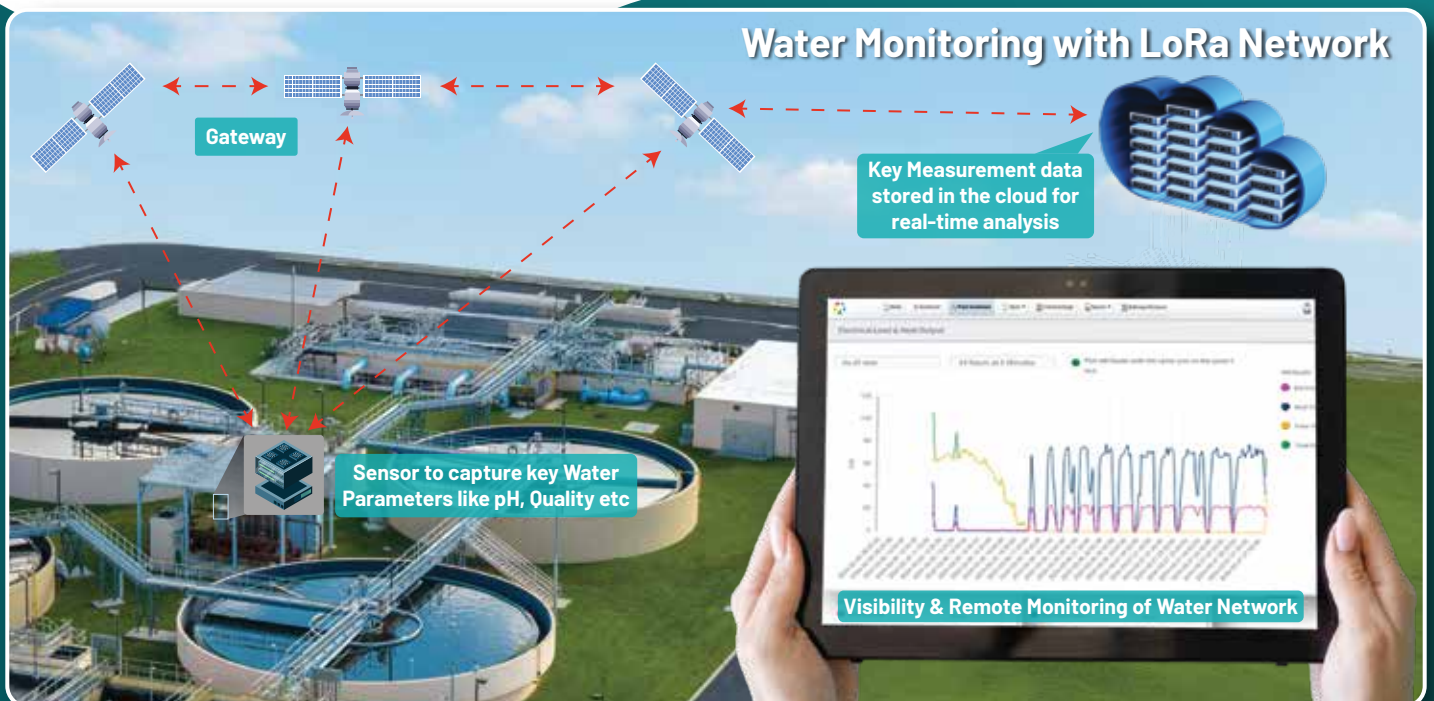
-  Real-time data acquisition
-  Local processing
-  Multi-network connectivity (LoRa, NB-IoT, Wi-Fi, Cellular)

Actuators & Control Devices

Enables automated, remote control of key assets to reduce manual effort and response delays. Includes:



-  Solenoid valves
-  Actuator valves
-  Motor controllers

Reliable hardware at the field level ensures the data you see is the data you can trust!





The Software Capabilities of Metiz AquaSPARC



Real-time Monitoring Dashboards

-  Live network and parameter visibility
-  Interactive dashboards with historical trends



Alerts & Rule Engine

-  Early issue detection with automated alerts
-  Threshold- and event-based rule configuration



Automated Reporting

-  Auto-generated audit and compliance reports
-  Scheduled, error-free data exports



Operational Analytics

-  Usage and performance insights
-  Custom analytics with anomaly visibility

SCADA & System Integration

-  Integrates with SCADA/ERP/cloud/on-prem
-  Supports MQTT, Modbus, TCP/IP

Easy Device & Sensor Configuration

-  Simple UI-based device and sensor setup
-  Quick configuration of thresholds and rules

Metiz AquaSPARC transforms scattered field information into meaningful operational insights, improving how water utilities monitor, respond, and take actions.





Business Impact

- ✓ **Lower NRW** through earlier leak and pressure anomaly detection
- ✓ **Reduced downtime** with predictive maintenance
- ✓ **Lower operational and energy costs** through optimised pump control
- ✓ **Stable water quality** supported by continuous monitoring
- ✓ **Higher reliability** across the entire water lifecycle
- ✓ **Improved operational confidence** with trusted real-time data



About Centelon Group

Centelon is a Melbourne, VIC-based technology solutions company that has grown from two employees in 2017 to nearly 400, spread across multiple locations.

We serve several large and medium enterprises as well as government departments and non-profits in their digital transformation journeys. Over the course of several years, we have built several IP assets that enable us to significantly increase impact for our customers' businesses and improve time to realisation for them.



About Centelon Robotics

Backed by the Centelon Group, our vision is to integrate hardware precision, software logic, and intelligent responsiveness, to create solutions that align with how people live, feel, and work. From humanoid robots to IoT Platforms, Centelon Robotics transforms your world with automation, insight, and adaptive design.

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