



# WATER MONITORING

**Ayyeka's Wavelet is a remote monitoring solution that streamlines, simplifies, and secures data acquisition from remote infrastructure and dispersed assets.**

Monitoring water networks allows for optimum pressurization, reduced leaks and non revenue water (NRW) losses, as well as live information about the states of critical parts of the water distribution system, such as reservoirs, control valves, and supply tanks.

Remote monitoring with the Wavelet enables:



Emergency  
Response



Regulatory  
Compliance



Real-Time  
Data



Protect Public  
Health & Safety



The Wavelet is a discreet, robust device that autonomously operates best-of-breed, third-party sensors, using battery, solar power, or a permanent power source. The sampled sensor data is collected, transmitted securely, and then stored on Ayyeka's cloud-server and/or a customer's on-premises server. Data can be visualized and managed via Ayyeka's web-based graphical data management system, and integrated into SCADA, third-party software, and models.



### SCADA & Software

From cloud-based hosting and an intuitive user-interface to secured and streamlined SCADA connectivity, the Wavelet delivers data directly where it is needed. Integrating with models, analytics, and business intelligence solutions has never been easier.



### Autonomous Operation & Redundant Communication

Low-power and predictive analysis algorithms result in up to 30% extended battery life. Redundant communication concurrently supports LTE (4G), 3G, 2G, LPWAN and Bluetooth connectivity.



### Rugged Design

Molded polycarbonate enclosure with IP 68 / NEMA 6P waterproofing rating allows for installation in the most corrosive and aggressive of environments, in both industrial and commercial applications.



### Cyber-Security & Alerts

Wavelet Kits are embedded in every layer from the ground up with the most advanced cyber-security technology, including sensor authentication and data encryption. Receive alerts in case of an urgent event.



### Reduced Cost of Ownership

As an integrated, modular, and preconfigured solution that allows for plug-and-play installation and requires minimal maintenance, Wavelet Kits deliver an attractive total cost of ownership.



### Rapid Deployment & Scalability

Wavelet Kits are sensor-agnostic, utilizing various configurations of sensors and samplers. Easily installed and operating within minutes, Wavelet Kits can be used to build or extend smart networks.

Ayyeka provides cyber-secure, plug-and-play, remote monitoring solutions designed for various markets. Ayyeka has an installed base in challenging locations and earned a reputation for excellent customer service. Bringing together a state-of-the-art hardware and cloud-based software package, Ayyeka's solutions are leading the infrastructure monitoring sector into the future.



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