

Case study

Advanced metering infrastructure in the sub-metering sector

Mainlink is delighted to announce a new pilot stage in the sub-metering sector with a LoRaWAN operator – Techtenna from Breda, The Netherlands.

Together with Axioma Metering and Techtenna, the pilot will feature Qalcosonic W1 smart ultrasonic water meters with LoRa modules operating within Mainlinks' intelligent data management platform – Mainhive.

The project will enable the real estate industry to experience the benefits of the advanced metering infrastructure (AMI).

Marco Sprenkels, CEO Techtenna: “With this partnership we are able to provide customers with a one-stop shop solution: the smart water meter, LoRaWAN network and IoT platform”.

Igor Poliscuk, CEO Mainlink: “Working together in the market like this, enables us to have a strong focus and accelerates the development of our IoT platform”.

Ultrasonic measurement is the most reliable way of measuring the water flow by providing accurate water consumption reporting. There is no need to declare water consumption, as the data is collected automatically, while residents can monitor their water usage with the help of a mobile App.

The advanced metering infrastructure can assist in avoiding traditional drive-by/walk-by meter data collection as all meters are equipped with LoRa modules permitting data to be transmitted to the system effectively and without the possibility of intervention.

Mainhive platform will allow building administrators to monitor and analyze data; use the data for billing; generate balancing, consumption and leakage reports; as well as receive customisable alerts. Including immediate notifications of any water leaks in order to prevent damage to their infrastructure and avoid un-billed water cases.

With the rapid growth of the global LoRaWAN network and Cloud IoT data collection and management platforms, we are moving toward sustainable water management, while saving resources and ensuring accurate accounting.