

# BEYOND THE READ™

## GET MORE DIVIDENDS FROM YOUR ADVANCED METERING WIRELESS INFRASTRUCTURE INVESTMENT

### DID YOU KNOW THAT YOUR AMI INFRASTRUCTURE CAN BE USED FOR MORE THAN JUST SMART METERING?

If you recently invested in a new advanced metering infrastructure (AMI), your network may support other IoT and sensor applications. Low Power Wide Area Networks (LPWAN), such as LoRaWAN platforms, can be designed to support both water meters as well as data collection from a growing number of other smart sensors that can provide benefits beyond the meter read.

A LoRaWAN infrastructure is designed to be an open and secure platform, meaning that you may have the option of adding sensors and IoT devices from a growing ecosystem of certified third-party vendors and you can control which devices can access your network. As such, your platform can be securely shared with multiple departments for sensing and IoT applications so cost savings can be shared across departments.

In fact, there are proven business cases for using LoRa certified sensors for city and county public works, water and wastewater utilities, public safety, facilities management, and other departments as well as for commercial, industrial, and residential users in your community.

### THE POWER OF SENSORS: DETECT, MONITOR, SET ALERTS, ACQUIRE REAL TIME INSIGHTS

The goal of deploying smart sensors and IoT devices across your community is to more efficiently monitor the condition of your infrastructure and assets, to acquire more insights about your operations, to receive more timely alerts to avoid interruptions of service, and to make your community more resilient and environmentally friendly.

### EXAMPLES OF SENSOR APPLICATIONS

#### Public Works



Monitor solid waste bin levels to optimize collection budget



Track rain and stormwater level and flow data



Collect street and lot parking occupancy data in real time



Flood level detection, monitoring and alerts



Monitor outdoor air quality for pollutants and public health concerns



Track vehicle fleets and high-value equipment

#### Water and Wastewater Utility Operations



Monitor leaks, pressure, flow, and level in collection and distribution systems



Monitor pump equipment health



Monitor back flow and manage remote valves



Monitor rain level

## WHAT NEXT?

SenthiSYS, a service from MeterSYS, specializes in helping cities, counties, and utilities make the most of their IoT enabled investment.

As a starting point, we partner with client leadership to help them conduct a needs assessment, develop a business use-case and financial model, and shape a road map for deploying new sensors and IoT devices on their network.

### OUR SERVICES

-  IoT Solution Road Map Planning
-  Financial/Business Case Analysis
-  Product Screening and Testing
-  Field Services – Installation, Maintenance
-  Software Integration and Data Analytics
-  Network Monitoring and Support
-  Network as a Service or NaaS
-  Own and Operate the Network (optional)

### Facility Management and Public Safety

-  Occupancy counting
-  Indoor air quality
-  Energy and water consumption
-  Leak and indoor flood detection

### Residential, Commercial, and Industrial Users

-  Indoor energy and water consumption metering
-  Indoor flood and leak detection
-  Sub metering
-  Soil moisture monitoring to optimize irrigation

 **LoRa Alliance** Member

## ABOUT US

MeterSYS, an end-to-end smart technology solutions provider to public water utilities, municipalities and counties, specializes in testing, evaluating and implementing leading metering, sensor, and IoT solutions. SenthiSYS is our service that is focused solely on IoT solutions. The MeterSYS team partners with our clients to leverage advanced IoT and smart technology solutions to solve critical problems, including aging infrastructure, situational awareness, financial risks, sustainability, compliance mandates, and operating and resource constraints.

 **MeterSYS**®

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