

# THE POWER OF SENSORS IS COMING TO YOUR COMMUNITY

THE NEED TO PROTECT, MONITOR, AND RECEIVE REAL TIME ALERTS ABOUT THE CONDITION OF YOUR WATER, WASTEWATER, AND STORMWATER OPERATIONS AND LOCAL ENVIRONMENT HAS NEVER BEEN SO IMPORTANT.

**IMAGINE IF YOU HAD ACCESS TO A LOWER-COST, SECURE AND MULTI-PURPOSE SENSOR AND METER NETWORK THAT FOCUSED ON YOUR BUSINESS TRANSFORMATION NEEDS.**

Senet, the leading operator of low-powered, long-range wireless networks using the open-standards LoRaWAN protocol, is building out their carrier-grade, secure sensor and metering network to cover Hillsborough County, the Greater Tampa Metro Market, Pinellas County, and the Greater St. Petersburg Metro Markets. MeterSYS, an IoT and metering solutions technology provider, is partnering with Senet to deliver customer sensor and metering solutions for your community.

Sensors and Analytics have always been available for public water, wastewater, and stormwater operations and maintenance. However, agencies have struggled to deploy a large number of smart sensors and meters across their entire infrastructure because of high costs, battery power limitations, unreliable communication service, coverage limits of proprietary RF, Cellular, and SCADA networks, and time-lagging data. Not Anymore.

## USE CASES



Monitor pipes for leaks and predict exposure to severe leaks



Monitor pressure, flow and level in pipes, tanks, and stations



Monitor water drawdown



Monitor sewer and stormwater overflow risks



Monitor groundwater levels



Monitor pump equipment health to reduce maintenance and failure



Monitor water and wastewater quality



Monitor back flow and manage remote shut off valves



Track rain level



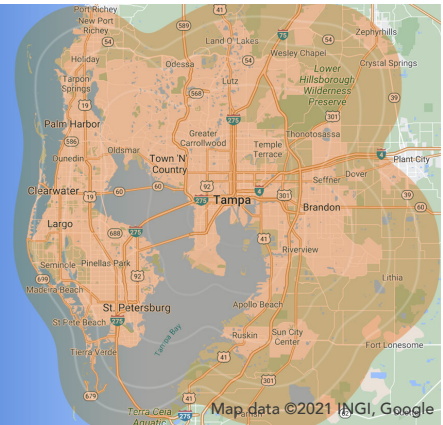
Automatically read timely metering consumption data



Public water conservation - residential and commercial irrigation sensors, in-building leak and water consumption monitoring

## SENET TAMPA METRO REGION NETWORK

Senet is expanding its Low Power Wide Area IoT network to cover over 1,600 square miles across Hillsborough and Pinellas Counties, including the cities of Tampa Bay and St. Petersburg. This network will be the largest and densest metropolitan deployment of public carrier-grade LoRaWAN connectivity in North America, providing capacity to support over 16 million IoT device connections from over 80 planned tower sites.



## ABOUT METERSYS

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. SenthisSYS 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.



## ABOUT SENET

Senet develops cloud-based software and services used by Network Operators, Application Developers, and System Integrators for the on-demand deployment of Internet of Things (IoT) networks. In addition to industrial and commercial applications, Senet has designed smart meter networks for many municipal water utility districts across North America, representing millions of households. With a multi-year head start over competing Low Power Wide Area Network technologies, Senet offers technology in over eighty countries and owns and operates the largest publicly available LoRaWAN network in North America. Our disruptive go-to-market models and critical technical advantages have helped us become a leading connectivity provider with recognized expertise in building and operating global IoT networks.



MeterSYS and Senet are both LoRa Alliance® Member companies. The LoRa Alliance is an open, nonprofit association that has become one of the largest and fastest-growing alliances in the technology sector since its inception in 2015. Its members collaborate closely and share expertise to develop and promote the LoRaWAN® standard, which is the de facto global standard for secure, carrier-grade IoT LPWAN connectivity.

**If you are responsible for your Smart City roadmap, manage water operations, public works, sustainability and resilience, public safety, or have responsibilities across your community, we can address your questions at both high levels and in-depth. Contact us for more information.**

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