Senet and Lorax Partnership Advances Natural Gas Safety for Utilities

Lorax Systems Shut-off Valve Integration with Senet's LoRaWAN Network Cost-Effectively Enables Utilities to Scale Deployments and Improve Safety, Awareness and Environmental Impact

Portsmouth, NH – (April 13, 2021) – Senet, Inc., a leading provider of cloud-based software and services platforms that enable global connectivity and on-demand network build-outs for the Internet of Things (IoT), today announced a new partnership with Lorax Systems Inc, a safety and environmental solutions company, to improve the ability for utility companies to monitor and prevent potentially hazardous natural gas incidents.

Through this technical collaboration, the companies have certified Lorax's meter and service shut-off valves on Senet's LoRaWAN network. The resulting integration provides utilities 24/7 monitoring with automatic and remote gas shut-off capabilities when hazardous conditions have been detected at any location using Senet's Low Power Wide Area Network (LPWAN) connectivity.

When a gas leak happens today, utility providers typically become aware of it after a customer reports it. By that point, a significant amount of leaked gas has already created a dangerous situation for anyone in the vicinity, not to mention utility employees who arrive to fix it. By adding state-of-the-art valve shut-off capabilities to sensing and alerting systems, this partnership ensures utilities gain complete awareness and control of their gas distribution systems, including automating the secure shutdown of single or multiple valves before a gas leak becomes a safety issue.

Using Senet's LoRaWAN network to manage communications between the gas shut-off valves and the cloud maximizes network coverage and communication range while reducing operational costs.

"Our utility customers need a solution that provides situational awareness without requiring constant maintenance or exorbitant costs," said Mark Bishoff, President and CEO of Lorax Systems. "For many utilities that need to go beyond managing a small number of devices, it quickly becomes evident that a LoRaWAN network is more financially sound than other communications options, especially considering the need for sensor-enabled devices to last for ten years or more in the field. After researching IoT connectivity options, we found Senet's carrier-grade LoRaWAN network provides the coverage and performance we need without compromising on our customers' requirements."

Lorax Systems offers meter and service valves that stop leaks when they happen. The Lorax Meter Valve is a cloud-enabled mechanical gas valve that provides automatic shut-off in the event of methane detection, over pressurization, fire, or flood using IoT connectivity to provide insights and remote operation. The Lorax Service Valve is an underground intelligent safety shutoff device that halts the flow of gas in the event of a breach in the service line, including the aforementioned events. With operation certified by Senet, utilities can easily use Lorax gas valves in combination with gas metering and other infrastructure monitoring solutions on the same network.

"Utilities are constantly evaluating new technologies to improve safety, operational efficiency and customer service," said Bruce Chatterley, CEO of Senet. "Recently, from a safety standpoint, several major disasters have happened because of gas line failures or breaks, not to mention commonplace leaks that harm the environment. Complementary technologies from Senet and Lorax represent a reliable and cost-effective solution to previously challenging problems. We're excited to work with Lorax to demonstrate the impact of better IoT connectivity on improving safety, the environment and the bottom line of utilities."

Through a joint go-to-market strategy, Senet and Lorax are engaged in field trials with large multi-utility service providers centered around improving safety levels and reliability across regional natural gas distribution networks. By progressing its partnership with Lorax and previously announced collaborations with natural gas leak detection solutions and utility providers, Senet aims to continually support the digital transformation of the utility industry with IoT-powered innovation.

For more information on Senet's carrier-grade network services for critical infrastructure and essential business applications, download Senet's new whitepaper: [The Value of Carrier-Grade Network Service for the Delivery of LoRaWAN IoT Solutions](#).

About Senet, Inc.
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 the United States. 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. For additional information, visit www.senetco.com.

About Lorax Inc.
Lorax develops safety systems and services for natural gas distribution systems, used by natural gas utilities and integrators to protect personnel and property from unforeseen incidents. Lorax technologies and products are designed to detect gas leaks and respond quickly by fully shutting off the gas flow and notifying the utilities. Lorax's novel technology allows the utilities to have the system automatically react to an event, or, the utility can take preemptive action by remotely closing gas valves in the event of an emergency. For additional information, please visit www.loraxsystems.com

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