

Gigaton Spotlight: Itron

How AT&T connectivity expertise enables emissions reduction and business value

About Itron

Itron is a grid edge intelligence leader that is innovating new ways for utilities and cities to better manage energy and water. The company utilizes intelligent connectivity for energy and water management, helping utilities and cities reduce emissions and enhance services by enabling efficient resource usage and advanced data analytics.

Gigaton Pathway: Methane Waste to Value

- Itron's connected Gas Edge solutions leverage Intelis Gas Meters with edge sensing and control capabilities and centralized analytics to continuously manage pressure, flow, temperature and potential leaks across the distribution network. With advanced telemetry and edge analytics, the Intelis system transmits alerts instantly to utility operators, allowing proactive maintenance and control instead of reactive emergency dispatches. The meter's integrated remote shutoff valve can be autonomously activated to prevent safety events and remotely triggered to support move-outs and maintenance.
- Featuring low-power operation and ruggedized enclosures for harsh field environments, these devices are designed for high performance and longevity in both urban and rural deployments. Integration with Itron's data management systems streamlines compliance reporting, reduces manual inspections and enhances safety outcomes for businesses and residential customers.



Itron is contributing to AT&T's Gigaton Goal

- Itron's Intelligent Connectivity enables reliable connectivity for a broad range of use cases in energy and water management. It enables the digital transformation of gas services with remote, real-time monitoring and automated alerts, minimizing the need for manual inspections and unnecessary service vehicle dispatches and carbon emissions.
- The sensors quickly detect and pinpoint leaks, allowing for faster repairs and reducing the volume and duration of methane emissions. This is especially impactful as methane is a greenhouse gas that is 28 times the warming potential of carbon dioxide over a 100-year time scale.
- Continuous monitoring helps identify hazardous conditions early, supporting prompt response and reducing the risk of accidents or explosions.

Connectivity helps enable Itron's success

- Itron's Intelligent Connectivity leverages the AT&T Global IoT network, making it possible to monitor for and detect leaks with real-time, localized alerts and enabling faster response and repair times.
- AT&T's Global IoT Network, 5G and CAT-M securely transmit gas meter and infrastructure data to Itron's cloud-based tools while ensuring the protection of sensitive environmental information.
- The work with Itron exemplifies AT&T's commitment to using connectivity and expertise to drive innovative solutions that tackle environmental issues.