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Itron and Bsquare First to Provide App Community for Grid Edge Devices

Itron to demonstrate dynamic app delivery for smart devices using Bsquare DataV at DistribuTECH in San Diego

LIBERTY LAKE, Wash. & BELLEVUE, Wash.--(BUSINESS WIRE)-- Itron, Inc. (NASDAQ: ITRI), a world-leading technology and services company dedicated to the resourceful use of energy and water, and Bsquare (NASDAQ: BSQR), a leading supplier of Internet of Things (IoT) software and integration services, are advancing distributed intelligence by providing a secure OpenWay Riva App Community for edge devices, including meters, sensors and other devices. Itron will use Bsquare's DataV™ IoT software stack to enable easy app downloads and management for Itron's OpenWay Riva™ network devices. Itron will demonstrate this capability at DistribuTECH in San Diego, Jan. 31 to Feb. 2 in booth #2613.

Itron's OpenWay Riva solution provides distributed intelligence and computing power in meters and grid devices, enabling real-time analysis of data and peer-to-peer communication among intelligent devices at the edge of the network. Bsquare DataV provides a software distribution layer embedded within the OpenWay Riva network that allows utilities to dynamically and securely download apps to targeted populations of meters, easily enabling new functionality and capabilities.

The ability for utilities to securely distribute apps to meters and grid devices can add a wide range of functionality over time, thereby adding value to fixed capital assets. Examples of applications that can be dynamically added to devices include advanced theft detection, high impedance detection, load disaggregation, locational awareness, active demand response and many others. In addition, third party developers can also provide their applications to the OpenWay Riva App Community. Bsquare DataV provides Itron's app community with the ability to efficiently manage and monitor the status of millions of remote devices.

"Itron's OpenWay Riva solution puts intelligence into devices across a utility's service territory and provides dynamic and powerful new methods of improving grid reliability, reducing operating costs and enhancing revenue opportunities," said Mark de Vere White, president of Itron's Electricity business line. "With the interest from third parties, including utilities, we expect hundreds of apps available over time. These app community capabilities make it easier for our customers to access apps and deliver and manage them over the OpenWay Riva network. It's just like having a highly secure smart phone and app store available for every OpenWay Riva device."

"This is an excellent example of the innovative ways in which IoT technology can be applied to diverse business problems," said Dave Wagstaff, Bsquare CTO. "For DataV, the ability to securely and reliably manage the distribution of software apps to tens of millions of meters—and do it in such a way that core revenue generating functions cannot be impaired—was a snap. As important, DataV is able to deliver these capabilities even over networks that are extremely constrained from a bandwidth perspective."

About Itron

Itron is a world-leading technology and services company dedicated to the resourceful use of energy and water. We provide comprehensive solutions that measure, manage and analyze energy and water. Our broad product portfolio includes electricity, gas, water and thermal energy measurement devices and control technology; communications systems; software; as well as managed and consulting services. With thousands of employees supporting nearly 8,000 customers in more than 100 countries, Itron applies knowledge and technology to better manage energy and water resources. Together, we can create a more resourceful world. Join us: www.itron.com.

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About Bsquare

For more than two decades, Bsquare has helped its customers extract business value from a broad array of physical assets by making them intelligent, connecting them, and using the data they generate to optimize business processes. Bsquare DataV software solutions can be deployed by a wide variety of enterprises to create business-focused Internet of Things

(IoT) systems that more effectively monitor device data, automate processes, predict events and produce better business outcomes. Bsquare goes a step further by coupling its purpose-built DataV software with comprehensive analytic and engineering services that can help organizations of all types make IoT a business reality. For more information, visit www.bsquare.com.

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