

RAJANT KINETIC MESH®

Ideal for Today's Mobility-Driven Water Utilities

The water utility industry is constantly changing, with some changes posing challenges to service delivery. Infrastructure is aging. In certain cases, pipes, pumps, lifts, and valves need to be repaired or replaced. Over time, automated meter reading systems, SCADA systems, and the communication networks supporting these systems can become slower and less reliable. In more severe cases, critical information may not even get from the source to its destination.

Rajant Kinetic Mesh infrastructure can turn your network into a strategic, highly productive asset. Using Rajant BreadCrumb® wireless nodes with our patented InstaMesh® software, Rajant mesh networks employ any-node to any-node connectivity to continuously and instantly direct data using the most-efficient traffic path and frequency.

WHY RAJANT?

Gain Command and Control of Pumps and Lifts

Embedded intelligence, controls, meters, and machine-to-machine and vehicle-to-vehicle devices can generate valuable data, voice, and video information over a wireless network. With a Rajant wireless mesh, you can monitor water distribution and wastewater systems to pinpoint problems or prevent leakages. Pumps can be turned on and off to maintain proper water levels in tanks and reservoirs. If a pump isn't functioning properly and cannot be diagnosed remotely, a worker can be dispatched to troubleshoot the problem and communicate the results to the control center.



Support Upgrades to Existing SCADA Systems

Many SCADA systems have been in operation for several years and are becoming unreliable with low bandwidth and high latency. With a reliable, high-capacity, low latency mesh network to support updated or existing SCADA systems, you can immediately improve the reliability and speed of data transmissions. If your municipality wants to standardize on one effective wireless technology, you can also expand your Rajant network to integrate added municipal communications. Our scalability, interoperability with other systems, and robust security can help you easily and cost-effectively transition to a higher-performing, integrated municipal network.



LET US SHOW YOU THE OPPORTUNITIES THAT
RAJANT KINETIC MESH® CAN BRING TO YOUR NETWORK

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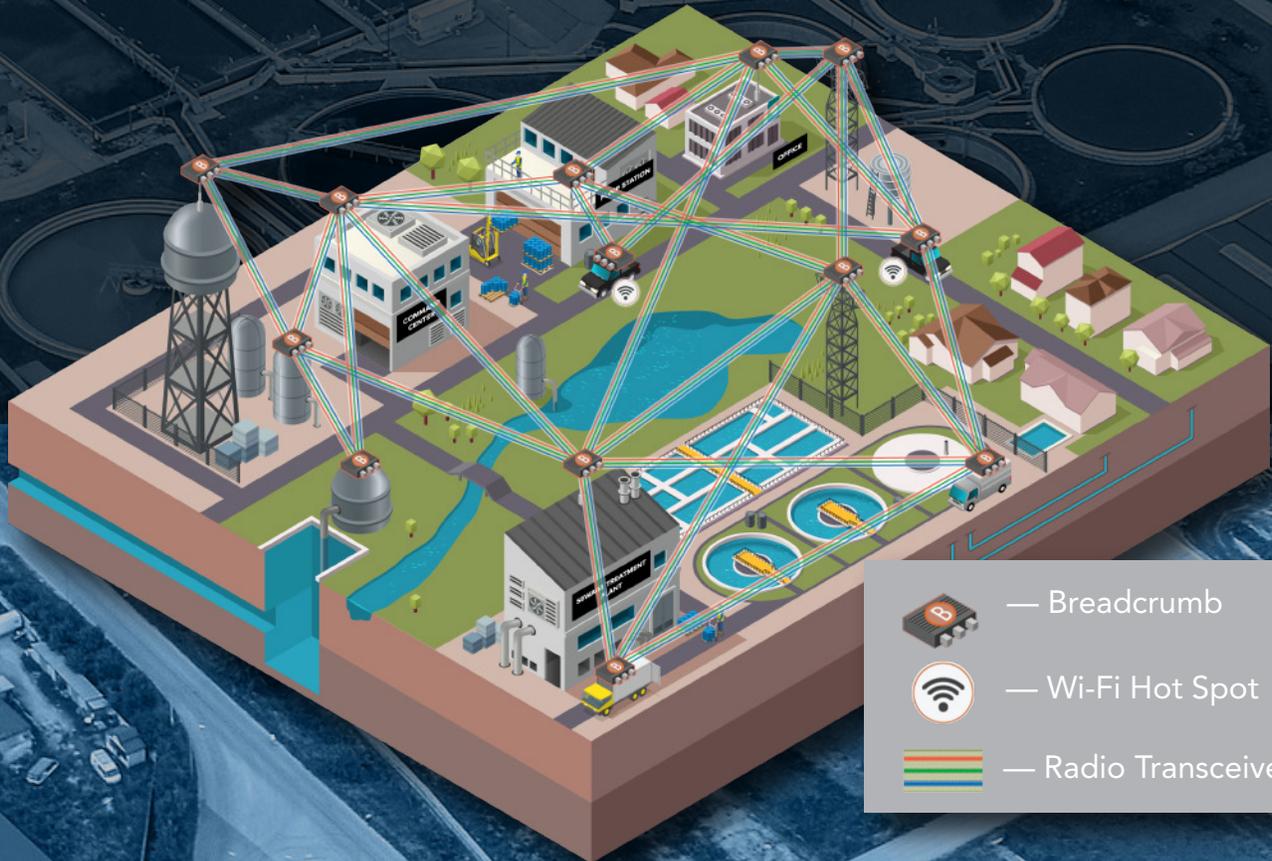
Monitor Water Conservation

Droughts, population growth, and increasing water usage make water conservation a high priority for water utilities worldwide. Reducing water leaks is a key component in water conservation. Many water leaks go undetected for weeks. Early detection and real-time reporting of pump efficiency and water flow can alert personnel to potential leaks and, in some cases, prevent them. A Rajant wireless network relays critical information from the water distribution system, enabling personnel to balance water supply and demand.



Gain Control Over Monitoring and Surveillance

Water utilities represent potential targets for malicious attacks, so the U.S. Department of Homeland Security has identified critical or high-risk water facilities as high priorities for monitoring and protection. However, many water department networks cannot implement video surveillance due to bandwidth limitations on their existing systems. With a Rajant mesh, you can have high-capacity connectivity throughout the communications network to support a variety of high-bandwidth applications, including video surveillance, video conferencing, and voice-over-IP. This allows you to monitor critical facilities and comply with security requirements.



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