

OmniSite Provides Peer-to-Peer Control Technology for Remote Infrastructure Management

OmniSite's peer-to-peer control enables municipal water and wastewater devices to communicate directly, eliminating complex programming for operators.

INDIANAPOLIS, IN, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- [OmniSite](#), a cellular and cloud-based remote monitoring provider with tens of thousands of monitors deployed across the United States, offers peer-to-peer control technology designed for municipal water and wastewater infrastructure management. The technology allows OmniSite devices to communicate directly with one another, enabling coordinated control across long distances without the need for complex programming or specialized technical skills.



Municipal water and wastewater utility managers oversee pumping stations, water towers, and treatment facilities that are often spread across wide geographic areas. Coordinating equipment across these distances has traditionally required custom control panel builds, specialized SCADA programming, and dedicated technical staff — resources that many smaller municipalities may find difficult to allocate. OmniSite's peer-to-peer control technology addresses this operational challenge by enabling direct device-to-device communication through a fill-in-the-blanks configuration table that a water plant operator can complete in minutes.

The peer-to-peer control feature works across OmniSite's product line, including the OmniBeacon, XR50 PLUS, and Crystal Ball PLUS. Key capabilities of the system include:

- Direct device communication: OmniSite devices can signal one another to take immediate

action — for example, stopping pumps when high-level alarms are triggered at a connected station.

- Municipal drinking water system control: The technology supports control of entire municipal drinking water pumping systems and water towers, including configurations with multiple towers and pumps in complex alternation or zoned arrangements.
- Real-time reporting: Operators can monitor and manage systems with live updates accessible from any device — tablet, PC, or phone — through the OmniSite GuardDog interface.
- Remote water level monitoring: The system integrates remote water level monitoring capabilities to help operators respond to water level fluctuations.

"We have tens of thousands of monitors located across the USA monitoring municipal sewage and water pumping stations to help ensure drinking water stays fresh and waterways remain clean," said Mr. Tom Ward, President and CEO of OmniSite. "Early warning of malfunctioning equipment is the key to environmental protection. Many small towns simply cannot afford complex SCADA systems or the technical people to maintain them. Our peer-to-peer control table eliminates complex programming and gives a water plant operator the flexibility to configure any system in minutes."

OmniSite is a privately owned family business founded on Jan. 3, 1998, as Logical Concepts, Inc. by Tom Ward in the garage attached to his family home. Headquartered in downtown Indianapolis, the company holds a patent on its cellular technology developed during the creation of its first product, the XR50 wireless monitoring system. Over more than two decades, we have built a product line that serves municipalities, industries, and communities across the United States. In 2022, we began migrating our back-end servers to multiple regions within Amazon AWS for high availability, redundancy, and security.

Our GuardDog software platform is a 100% web-based, cloud-based notification system and historian included with every OmniSite device. GuardDog allows users to manage systems, view alarms, and analyze trends from a single interface. We also offer the XR50 Plus and Crystal Ball Plus as rapid installation kits that include pre-terminated wire harnesses, and conduit for fast field deployment.

For the OmniBeacon, installation involves securing the device to a pump control panel, connecting five wires — three for power and two for high level — and submitting a short form. Our team handles the GuardDog configuration. Once installed, operators receive:

- High level alarm and power fail alarm notifications
- Low back-up battery alerts with automatic recharge after power restoration

- Weak cellular signal strength and device failure-to-report alarms
- History logs with date and time stamps for all alarms, including who was called and who responded
- Notifications delivered via text message, voice call, and email
- Access through a free smartphone app for 24/7 monitoring from any location

We are proud to offer in-person product training at no cost. Our product training spans 1.5 days at our training facility in Indianapolis, providing hands-on instruction for operators and utility managers to become proficient with OmniSite products and the GuardDog platform.

To learn more about OmniSite's peer-to-peer control technology and how it supports municipal water and wastewater operations, visit <https://www.omnisite.com/> or call +1 317-885-6330. Additional resources and updates are available on our blog at <https://www.omnisite.com/blog>.

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About OmniSite

OmniSite is a privately owned family business headquartered in downtown Indianapolis, Indiana. Founded on January 3, 1998, as Logical Concepts, Inc. by Tom Ward in the garage attached to his family home, the company has grown over more than two decades into a nationwide provider of cellular and cloud-based remote monitoring solutions. OmniSite's product line — including the OmniBeacon, XR50 PLUS, Crystal Ball PLUS, WINGs plus virtual Microbiologist, and the GuardDog software platform — serves municipalities, industries, and communities across the United States. The company holds a patent on its cellular technology and reports tens of thousands of monitors deployed nationwide. In 2022, OmniSite began migrating its back-end servers to Amazon AWS for enhanced reliability and security. OmniSite serves businesses nationwide from its Indianapolis headquarters.

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Notes to Editors

1. OmniSite was founded in 1998 as Logical Concepts, Inc. The company changed its name to OmniSite in 2008. It is a privately owned family business headquartered in downtown Indianapolis, Indiana.

2. SCADA stands for Supervisory Control and Data Acquisition — a system used to monitor and control industrial equipment and processes remotely.
3. The OmniBeacon product evolved from the SmartLight, first created in 2012, and was renamed and redesigned in August 2015.
4. OmniSite's Peer-to-Peer Control feature was released in October 2024. The company also offers Rapid Installation Kits (XR50 and Crystal Ball kits) with pre-terminated wire harnesses, conduit, and analog sensors.
5. OmniSite offers free in-person product training (1.5 days) at its Indianapolis training facility.
6. All product claims and statistics referenced in this press release are sourced from information provided by OmniSite and the company's website at <https://www.omnisite.com>.
7. GuardDog is OmniSite's proprietary cloud-based notification and historian software, included at no additional cost with every OmniSite device.

End of Press Release.

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