

## New York Marina Goes Wireless With Infrastructure Mesh and Access Network

*Family-owned resort keeps visitors connected with Wi-Fi, increases business efficiency, and monitors facilities with wireless video surveillance.*

*Submitted by Firetide*

New York's family-owned Treadwell Bay Marina and Resort recently became a fully wireless-enabled enterprise. Using a Firetide infrastructure mesh network, deployed by IP network solution provider Wells Communications, the family operation now owns a cost-effective and easy-to-use, yet industrial-grade, wireless infrastructure for more efficient business operations, public Wi-Fi, and video surveillance over a single network.

Located in Plattsburgh, New York, among the Adirondack Mountains and on the banks of historical Lake Champlain, Treadwell Bay Marina plays host to American and Canadian vacationers and sailing enthusiasts. "Many of our boaters are executives and business owners from the New England area, as well as tech-savvy Montreal and Toronto. To attract new guests and keep top-flight members happy, we needed to provide constant connectivity. These days, even vacation demands e-mail and the Internet," says Gary Titherington, owner of Treadwell Bay Marina.

With more than 400 boat slips and the ability to dock boats measuring up to 55 feet in length, the marina covers approximately 100 total acres. Tasked with providing public Wi-Fi access, yet challenged with vast property coverage and a difficult environment of tall trees, metal masts and water, Treadwell Bay turned to Firetide wireless infrastructure mesh networks.

"From an integration standpoint, hardwiring was virtually impossible," explains Maureen Carlo, communications consultant of Wells Communications' Plattsburgh office. "Treadwell Bay originally had hot spots through its cable provider, but that was a very cumbersome process and just didn't work as needed. We proposed Firetide for this project, as only their mesh could provide multiple application support and enough bandwidth to support a video surveillance component."

Treadwell Bay Marina is comprised of a restaurant, gas dock, ship store, swimming pool, critical weather equipment and sewage-pump facilities, all within a short distance of the water. To monitor and protect resources, as well as the safety of its guests and their boats, Treadwell Bay deployed 13 Panasonic IP surveillance cameras linked via five Firetide wireless mesh nodes -- all over the same network providing guests with Wi-Fi. OnSSI video management software records, stores and provides viewing of the surveillance video feeds. Wells sourced the complete IP-based security and Wi-Fi solution from TESCO Technologies.

Owners quickly realized that the deployed mesh network was robust enough to support not only video and Wi-Fi, but also business-critical data transmission. Remote point-of-sale capabilities have been recently added, allowing communication between buildings up to 100 yards apart. For instance, the gas dock is able to operate wirelessly with the ship store on the main campus. This inherent scalability allows the marina to maximize return on investment by fully utilizing the cost-effective systems. To learn more about Firetide network solutions, see the advertorial on page x or visit [www.tessco.com/go/firetide](http://www.tessco.com/go/firetide).

For more information:

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