



## Customer Brief: NetTek

### Company Overview

---

Founded in 1991, [NetTek, LLC](#) is a full-service technology solution provider offering systems and network integration, Internet services, custom software development, and web site design. NetTek and ValuePoint Networks have partnered on numerous Wi-Fi projects addressing the needs of the hospitality and public access markets.

### Application

---

NetTek was asked by the Wyndham Virginia Beach Oceanfront to design, install, and service a high speed wireless Internet system for the entire property. NetTek worked closely with ValuePoint Networks in studying the potential options and solutions at this 243 room property facing the ocean. After analyzing the property, ValuePoint and NetTek together concluded that the property lent itself well to an “outside-in” approach. This means strategically locating high power outdoor rated Access Points (APs) around the property and providing directional signals through windows. In this way, an excellent signal could be provided to the entire property with a modest number of APs. Secondly, it was decided that a self-healing, self-configuring wireless mesh backhaul be used to link the APs together, eliminating any need to connect them via wire. With user access over 2.4 GHz, the wireless mesh was designed in the 5 GHz spectrum to minimize the interference. A gateway controller was included in the package to present users with terms of service and a landing page for complimentary access.

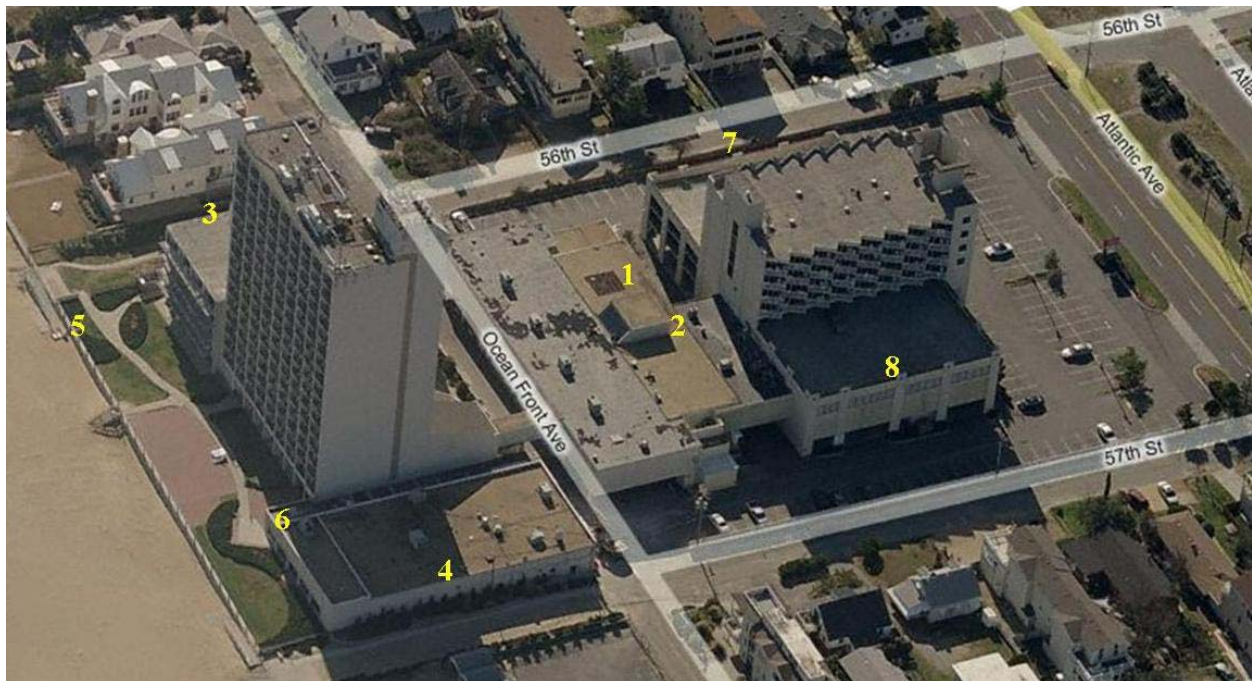
### Solution

---

NetTek was awarded the contract to install the property and proceeded at a fast pace with assistance from ValuePoint. The wireless backhaul for the property incorporates (8) high power 600mWatt SuperMesh 8000 5 GHz single mesh routers with high gain antennae. Wireless access is provided by two AP models 530G IA-18 and the dual 1 Watt 570G DR. Access is controlled via the NC-3500 gateway controller with up to 200

concurrent users and bandwidth limiting. The overall wireless solution is shown below along with the eight locations where the gear is installed.

- 1: SuperMesh 8000, 570G DR
- 2: SuperMesh 8000, 570G DR
- 3: SuperMesh 8000
- 4: SuperMesh 8000
- 5: SuperMesh 8000, 570G DR
- 6: SuperMesh 8000, 570G DR
- 7: SuperMesh 8000, 530G IA-18
- 8: SuperMesh 8000, 530G IA-18



The entire property is covered by only 6 access points!

## Customer Testimonial

---

Jacob Smith of NetTek is very pleased with the overall performance of the system. The system has proven to be very reliable and it provides the Wyndham Virginia Beach Oceanfront with top notch Wireless Internet service for guests and staff.

About NetTek: Founded in 1991, NetTek is a full-service technology solution provider offering systems and network integration, Internet services, custom software development, and web site design. Their most recent service offerings include managed services, off-site backup solutions, data protection, surveillance systems, hospitality wireless and disaster recovery. Their certified and experienced engineers

have the ability to design, manage, and troubleshoot a vast array of business technology environments.

For more information about ValuePoint Networks products and solutions contact:

[sales@valuepointnet.com](mailto:sales@valuepointnet.com) 415.979.0600 Option 1