



Success Story

Zyxel Wireless Solution is Antidote for Russian Resort's Dead-Zone Dread



Hospitality

INDUSTRY



CUSTOMER

Hotel
ArtiLand



COUNTRY

Russia



SOLUTIONS

Zyxel
Wireless
Solution

Overview

Challenges

- Deliver strong wireless signal to cellular dead zone
- Create reliable, high-speed network with continuous roaming service
- Set up separate staff and guest VLANs for robust security

Results

- Seamless WiFi network covers the entire hotel property
- Powerful signal and rich features provide optimal connectivity
- Easily scalable to accommodate for future growth

Solutions

- Zyxel Wireless Solution

"Under the terms of the [project's] contract, we monitored the network and had to troubleshoot for two years. During this time, not a single device failed and the network has never fallen. Guests and staff have enjoyed non-stop, 24/7 service."

Alexander Gerasimov
Project Manager, HotelStartUp

Background

ArtiLand is situated in serene Balashikha, a pastoral town about 20 miles from central Moscow. Featuring a dining hall, spa, barbecue area, as well as indoor and outdoor pools, the resort is a treasure trove of relaxing entertainment. There are also two banquet halls for wedding celebrations, seating 250 and 70 people each.

For those preferring solitude, its 39 cabin-style rooms have modern furnishings, HDTV, and an assortment of comforts to make one feel at home.



Challenges

Since the resort is in a relatively remote area, it's difficult to get a strong cellular signal; in the bedrooms and leisure areas, it's downright impossible. This was all the impetus ArtiLand needed to create its own wide-scale network. It asked HotelStartUp, a local system integrator, to come up with proposals for a wireless infrastructure able to

provide seamless service to interiors and exteriors. In addition to desiring other important features like VLAN and load balancing, the resort required enough network power to contend with disruptive radio signals emanating from a nearby military base.

Solutions and Benefits

How to bring the hotel's dead zone back to life? ArtiLand wisely chose Zyxel network products over equipment from three other global competitors. Not only did Zyxel's solutions fit the resort's budget, they met each and every technical requirement.

The brand-new network architecture has three components: a wireless LAN controller and two different access points (APs) for interior and exterior deployments. Zyxel's wireless LAN controllers are redefining AP management. With granular access control of up to 1,024 APs, the versatile device offers enormous configurability and scalability. And its rich feature set, which includes load balancing, dynamic channel selection, and guest authentication, ensures optimum WLAN performance at all times.

Zyxel's unified access points are perfect for delivering

fast and reliable wireless connectivity to the resort's interiors. As for the spacious exterior grounds? The Zyxel dual-radio outdoor access points have it covered. It features rock-solid weather proofing able to endure the harshest of conditions and leverages band-steering tech so that devices get optimal Gigabit wireless connectivity. Both APs can be set up and managed with ease using Zyxel's proprietary APFlex™ and ZON utility.

To be safe, ArtiLand requested two years of tech support, but not a single Zyxel device has failed after deployment. Guests have even complimented the wireless quality on booking sites. And since the infrastructure is scalable, the resort has the ability to expand its network to cover any new additions. A Zyxel wireless solution has successfully transformed ArtiLand's wireless black hole into a fast, seamless network for the future.

Suggested Products

NXC5500 • Wireless LAN Controller



- Centralized WLAN management and auto provisioning
- Manages up to 1,024 APs with granular access control
- ZyMesh simplifies complex, inconvenient cable-heavy WiFi deployments
- Comprehensive features for WLAN performance optimization and always-on WiFi connectivity
- Dynamic channel selection and load balancing
- QR code-based guest authentication
- Zyxel One Network support

NWA5123-AC • 802.11ac Dual-Radio Unified Access Point



- Ceiling- and wall-mountable design with optimized RF performance
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- Enterprise-class 2x2 802.11ac AP supports combined data rates of up to 1,200 Mbps
- Simple, speedy deployment with APFlex™ and Zyxel One Network utilities

WAC6553D-E • 802.11ac Dual Radio External Antenna 3x3 Outdoor Access Point



- Dual-band 2.4GHz and 5GHz 802.11ac Wireless Access Point
- Designed with IP66-rated weather protection—ideal for harsh outdoor environments
- Advanced IEEE 802.11ac delivers up to 1.75 Gbps combined data rates
- Industry-leading receive sensitivity as low as -102 dBm
- APFlex™ and DCS streamline deployment
- Zyxel One Network is supported

About Zyxel Communications

Focused on innovation and customer-centricity, Zyxel Communications has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. Zyxel, Your Networking Ally.

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