



Success Story

Decadent Russian Hotel Has Network Needs Covered by Zyxel Wireless Solution



Hospitality

INDUSTRY



CUSTOMER

AMAKS
Congress
Hotel



COUNTRY

Russia



SOLUTIONS

Zyxel
Wireless
Solution

Overview

Challenges

- Deliver optimal wireless signal strength and coverage
- Allow for seamless roaming, eliminate dropped signals
- Products must have solid price-to-performance ratio

Solutions

- Zyxel Wireless Solution

Results

- Versatile access points provide fast, seamless WiFi
- Network setup and management are quick and easy
- Upgraded infrastructure is cost-effective and scalable

Background

AMAKS Hotels and Resorts runs a 28-branch network throughout Russia. The successful chain employs over 2,500 staff, serves the needs of thousands of guests, and hosts countless business and social events on a daily basis. The AMAKS Congress Hotel in Rostov-on-Don is one of the chain's largest properties, with nearly 300 rooms, four large conference halls for business meetings or trainings, and a spacious banquet hall for any celebratory occasion. In need of succulent sustenance? Its executive chef can whip up an array of high-class European or local cuisine. Desiring guaranteed fun with friends or business partners? Its round-the-clock entertainment complex (dubbed OutHall) has billiards tables and a five-lane bowling alley. While AMAKS Congress gladly caters to all, the hotel is devoted to giving frazzled business travelers a rich, restful, and memorable experience.



Challenges

High-speed, reliable wireless connectivity has quickly become an inalienable right for the contemporary hotel guest. When the staff at the Congress discovered that their outdated WiFi was providing lackluster strength and insufficient coverage, they knew it was time for an upgrade. Paradigma, a local system integrator, was brought in for planning and deployment; Zyxel products

were chosen for their superior price-to-performance ratio. The primary goal was to deliver top-rate WiFi with seamless roaming to every last inch of the massive building. And because the hotel could not hit the pause button on its constant flow of business clients, the sooner the solution could be deployed, the better.

Solutions and Benefits

The Zyxel Wireless Solution for the Congress Hotel consists of three components: access points, wireless LAN controllers, and switches. The access points (APs) deliver quick, secure, and seamless WiFi to the end user. Wireless LAN controllers allow these APs to be deployed and managed with ease. Switches serve as the network heart: intelligently moving traffic to and from the cloud.

The hotel installed 55 **NWA5123-NI unified access points**. The APs can be set up and managed individually or via the convenient Zyxel One Network utility. Since the compact devices are able to be mounted on both walls and ceilings, the deployment options are limitless. The APs link to **NXC2500 wireless LAN controllers**, enabling centralized management and auto provisioning. A single controller can manage up to 64 APs, which makes it

perfect for any large-scale, long-term solution. It also provides an array of options for the configuration and monitoring of guest networks—a must in the hospitality industry. The **GS1910-24HP gigabit smart managed switch** rounds out the hotel's updated infrastructure. Its PoE functionality lets it intelligently transfer power and data via the same line—a huge plus that drastically reduces wiring costs. For extensive network projects in hotels and similarly sprawling spaces, these savings add up.

After the devices were installed, it took only one engineer a working day to set up the entire network. The easy, fast, and futureproof Zyxel wireless solution has given the hotel's important business clientele the topflight, non-stop network service they expect.

Products Used

NWA5123-NI • 802.11 a/b/g/n Dual-Radio Unified Access Point



- Ceiling and wall-mountable
- Plenum-rated housing
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- ZyXel One Network supported

NXC2500 • Wireless LAN Controller



- Auto provisioning and centralized management of up to 64 APs*
- ZyXel Wireless Optimizer for easy planning, deployment, and maintenance
- Advanced ZyMesh technology for streamlined AP deployment and WLAN extension
- Enhanced RF management with auto healing
- Flexible traffic forwarding with tunnel and distributed modes
- Comprehensive guest network management and granular access control

*Management of 64 APs is supported with firmware version V4.10 or later

GS1910-24HP • 24-port Gigabit Smart Managed PoE+ Switch



- Advanced, smart GbE L2 ACL switching features
- 48 Gbps non-blocking switch fabric
- IEEE 802.3at Power over Ethernet Plus
- Supports IPv6

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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