

New Converged Network Ensures High Performance and Security at Ufa International Airport in Russia

An Allied Telesis airport systems and video surveillance network brings operational efficiency and security to the modernized main terminal.

Customer: Ufa International Airport

Industry: Transportation

Location: Russia



**Ufa International
Airport**

Ufa International Airport is a modern aviation complex capable of receiving aircraft of all types, with two runways and an airfield. The airport has received Russia's annual "Air Gates of Russia" award for three years running, officially recognizing it as the best airport in the country—with passenger traffic of up to 4 million people per year.

It is also the largest airport in the Republic of Bashkortostan.

Modernized Terminal Requires a Contemporary New Network

When Ufa International Airport underwent extensive modernization of its main terminal, it was critical to also modernize the network. A future-proof transportation network was required to provide passengers with an enhanced experience with features such as real-time wait and arrival times, easy check-in, and free Wi-Fi. And of course, robust security was a top priority.

The plan was to create a stable, reliable data transmission network featuring world-class video surveillance. High-performance was essential to allow for large numbers of video surveillance feeds, ensuring the safety and security of passengers and property.

Why Allied Telesis?

To meet all these requirements and more, Ufa International Airport selected a leading-edge Allied Telesis solution. Ufa Airport had used Allied Telesis products before at another terminal, so had firsthand experience of their reliability and strength. The Allied Telesis solutions provide security and safety alongside ultimate operational efficiency, all enabled with easy-to-use administration tools for simple network management.

A Seamless and Secure Transportation Solution

Allied Telesis worked together with Astronis, a system integrator of IT solutions and security systems, to design and implement a state-of-the-art transportation network solution for Ufa International Airport.

Success Story | Ufa International Airport

The new Allied Telesis solution was designed to ensure fault tolerance with the core x930 Series switches featuring high-availability features—like dual hot-swappable load-sharing power supplies—to maximize uptime and provide always-on access to the airport’s operational systems and video security streams.

Airport staff using system terminals access the network via high-performing GS900MX Series Layer 2 edge switches with high-speed Gigabit connectivity, for fast and easy access to all online applications, digital resources, and systems that enable smooth airport operation.

For the Wi-Fi network, the airport selected enterprise-class TQ5403 wireless Access Points (APs). The TQ5403 simultaneously supports single-channel and multi-channel wireless architectures, ensuring both seamless roaming and maximum throughput from a single design.

Video surveillance cameras are located inside and outside of the terminal, providing airport security and passenger safety during all stages of transit. These use Power over Ethernet (PoE), so a single data cable from the GS900MX Series switches is all that is needed to connect and power the cameras.

All of the airport’s electronic systems, including check-in, baggage handling, departure and arrival information, office systems, surveillance cameras and more, are connected to the network to provide a truly converged solution.

An Enhanced Experience for Staff and Customers

Allied Telesis products have state-of-the-art resiliency features to eliminate failures in traffic-controlling equipment. With the Allied Telesis network solution, the airport’s operational systems are always available, and staff and passengers at the main terminal enjoy total Wi-Fi coverage with seamless roaming across the facility.

IT staff can relax knowing the new network features extremely high fault tolerance, and can achieve rapid recovery to ensure reliable video surveillance transmission and remote device control. This is a necessity for this bustling, world-class airport to maintain continued operation of essential services, and to ensure the safety and security of passengers and airport assets.

Converging all airport systems onto the network has not only ensured operational efficiency and saved money, but it also offers easier network performance management, smarter use of energy resources, and enhanced customer service.

To complete the solution’s success, timely support and training from on-call Allied Telesis engineers ensured a smooth installation and protects ongoing network operation.

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