



Overview

Almaty Airport is the largest international airport in Kazakhstan. It is about 15 km (9.3 mi) northeast of Almaty, the country's largest city and commercial capital. Almaty airport accounts for half of passenger traffic and 68% of cargo traffic to Kazakhstan. As of 2018, the airport handled 5,686,926 passengers, and the number is growing significantly each year.

In order to support the growth in traffic, the airport needed to enhance the facility's communications infrastructure. The airport's management team realized the biggest challenge facing this project was the expansive coverage area and the fact that the network would be shared by hundreds of devices supporting ground services. The team approached a list of experienced Wi-Fi product providers, and eventually chose Altai's Super WiFi solution to provide the newly enhanced network.

With Altai Technologies' patented smart antenna technology, the number of APs required to deliver the desired coverage was comparatively low resulting in a fast and efficient deployment with minimal impact on airport operations. Altai's Wi-Fi product line offers 10 times the coverage of standard Wi-Fi APs while delivering strong and reliable signal strength. The Almaty airport is extremely pleased by the resulting performance of Altai's solution and the speed at which the installation was completed.

Customer Name:

Almaty Airport

Deployment Location:

Kazakhstan

Application:

Private Wi-Fi for the Airport Baggage Reconciliation System and Aircraft Service Mobile Application

Products used:

A3-Ei, A3c, AltaiCare

Result:

The airport is completely satisfied with Altai's network deployment as well as the overall project cost and fast deployment. Equipped with Altai's APs, the airport's operational team has experienced dramatically improved efficiencies.

The Challenge

- Expansive coverage area of over 370,000 sqm
- Significant and varied blockage by aircraft
- Support for a large number of concurrent users



The Solution

To provide a blanket coverage for the entire 370,000 sqm operational landscape, Altai deployed twenty four (24) A3-Ei APs and three (3) A3c APs in combination with the AltaiCare On-Premise network management platform.



The Result

Altai's solution design provides 100% seamless network coverage to fully support the airport's ground service operations. The robust and reliable network has resulted in greatly improved operational efficiencies with the airport management team also expressing satisfaction with the reduction in the number APs and the resulting advantages of simplified management and maintenance of the network.



About Altai

Altai Technologies is a leading supplier of carrier-grade Wi-Fi products and technologies with a distribution network reaching 100 countries. Altai Super WiFi is the leading solution for vertical industrial markets, covering over 200 terminal ports and airports globally.

The Altai Super WiFi Solution includes a complete portfolio of indoor and outdoor products for carriers, WISPs, and enterprises to support a wide range of applications such as mobile data off load, public access, WLAN access, and backhaul.

Utilizing patented smart antenna technology, as well as a cloud-based management system called AltaiCare, the Altai Super WiFi Solution is designed from the ground up to deliver Wi-Fi networks that have unprecedented performance, reliability, scalability, and manageability.

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