

Skyward Innovation

Building a Modern Air Travel Hub at Newark Liberty International Airport



Embarking on the Terminal A Project

With our long history of successful aviation projects, the team at BlackHawk Data was invited to participate in the rebuilding of the new Terminal A at Newark Airport. Aiming to provide customers with a world-class passenger experience, we joined a list of hand-selected vendors to turn this vision into reality.

Vision & Goals

Serving the public well is a significant challenge. Our goal was to offer customers not only a seamless check-in experience but also the enjoyment of local art, upscale shopping, and top-notch dining, addressing their needs at every step. This was one of the largest design-build projects in New Jersey's history.

Strategic Solutions

Our team was involved in the project long before the first fiber cable was pulled. Only a concrete slab was in place where the airport now stands. We were integrated into the design of the network, voice, and cybersecurity systems from the outset, allowing us to provide insights based on our years of supporting airport systems.

Building a Robust IT Infrastructure

Our team was responsible for ensuring that the IT infrastructure installed in the Terminal could seamlessly handle various airport systems and the expected volume of passenger traffic, guaranteeing the security and scalability of every system on the network. As the design grew to encompass all airport subsystems, our focus remained on building a fully redundant, highly secure, and scalable system. Unlike typical enterprise security measures, the stakes here extended beyond revenue loss or business interruption to include public safety. With the new terminal equipped with thousands of HD surveillance cameras, door sensors, air quality monitors, occupancy intrusion sensors, crowd shift detection, and several classified systems to ensure public safety, there was no room for error or downtime, as the consequences could be catastrophic.

Achieving New Heights

The result was a new look and a modern-day airport that meets the evolving needs of today's traveler. We did more than just install a network; we applied decades of experience to address nearly every core business need, operation, baggage handling, and passenger process throughout the airport. Our efforts helped make overall airport operations smarter, safer, and more efficient.



If your organization has been struggling with networking or has been considering taking on a large security or networking project in any sector, BlackHawk Data can help. Don't wait, contact us today.

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