

AVIATION PROJECT HIGHLIGHTS

Our Success Supporting the Aviation Industry

At BlackHawk Data, we're proud to be a trusted technology partner to the Port Authority of New York & New Jersey, an organization that demands resilience, speed, and precision across its complex infrastructure. From airport security to critical tunnel operations, we've delivered under pressure and kept essential services running smoothly. Ready to see what's possible? Read our successes below and see what we can do for you.

Port Authority - Aviation CACS Migration

- **Problem:** The customer lost all connectivity to their perimeter fence network—an essential system that secures airport operations. As a temporary measure, police had to be dispatched to each location until a solution could be found.
- **Solution:** After multiple vendors advised it would take months to restore the network, the customer turned to our team for a faster option.
- **Results:** We quickly sourced enough equipment to cover all affected areas and mobilized a team of six engineers, who worked 30 continuous hours to stage, deploy, and fully restore the network.

Newark International Airport Redevelopment

- **Problem:** The customer was planning a new airport redesign and required a complete network overhaul, including core infrastructure, security, voice, and wireless systems.
- **Solution:** By reviewing the construction blueprints, we designed a network that fit their budget while incorporating the latest technology.
- **Results:** We delivered a cost-effective, cutting-edge network that supports modern airport operations and provides passengers with an enhanced, technology-driven experience.

JFK International Airport New Terminal 1 & 6 Redevelopment

- **Problem:** As part of JFK Airport's extensive redevelopment, both Terminal 1 and Terminal 6 required major infrastructure upgrades to meet the demands of modern air travel. Terminal 6 was undergoing a full-scale redesign—including two new terminals, expanded facilities, a new ground transportation center, and a streamlined roadway network. Meanwhile, Terminal 1 faced a critical challenge: key demolition work risked disrupting essential network infrastructure, with no clear path forward.
- **Solution:** BlackHawk Data brought deep airport infrastructure knowledge and hands-on experience to both projects. For Terminal 6, we designed, configured, tested, and installed the Data, Security, and Voice systems needed to support the new terminal's operations—ensuring all subsystems were fully integrated and ready before opening. For Terminal 1, we reviewed legacy and new construction plans, mapped out existing fiber paths, and created a precise demolition and migration strategy. Our team was onsite to maintain uptime, guide the process, and resolve any issues in real time.
- **Results:** Both projects stayed on track—with zero unplanned downtime. For Terminal 6, we delivered two fully segmented networks (Shared Tenant Services and Operations), complete with switches, firewalls, routers, and voice servers, all tested and online before launch. At Terminal 1, our proactive planning helped avoid costly delays and penalties, keeping the redevelopment schedule intact while protecting critical airport operations.