BLACK BOX®

Building the Airports of the Future & Driving Operational Excellence

Transform Passenger Journeys & Increase Revenue Opportunities with Seamless Connectivity and Advanced Automation

Advanced, Future-Ready Infrastructure & Technology Solutions

Modern airports are complex ecosystems where seamless operations and revenue generation rely on advanced technology infrastructure. With growing demands for connectivity, security, automation, and intelligence, airports face unique challenges that require smart, future-ready solutions. As these systems evolve, it becomes essential for airports to adopt innovative technologies that enhance efficiency, ensure reliability, and deliver exceptional passenger & tenant experiences.

Key Services Offered:

Black Box Intelligent Airport tailored solutions are designed to help airports navigate today's challenges while preparing them for tomorrow's demands, transforming them into extremely intelligent, more connected hubs. Here's how we make this transformation possible:

Future Ready Structured Cabling & Fiber Solutions

- High-performance structured cabling and fiber solutions to support critical airport systems, increasing data demands, and emerging technologies like IoT and AI.
- Resilient, low-latency networks for runway lighting, air traffic control, and terminal communications, even during peak periods.

Critical Network Spaces Modernization & Management

- Upgrade and optimize data centers (DC), MDF, and IDF spaces to enhance performance, security, and ease of maintenance.
- 24/7 environmental and security monitoring allows real-time issue response and ensures critical network spaces operate efficiently and remain secure.

Managed Shared Tenant Services

- Scalable IT, data security, and IoT monitoring boost tenant and airport revenue opportunities while enhancing collaboration and efficiency.
- Centralized services providing managed shared tenant programs for internet, cabling, and wireless access, ensuring seamless operations and reducing infrastructure costs.

Wireless Infrastructure Solutions

- Integrated wireless networks to support smart kiosks, digital signage, and IoT solutions to optimize passenger flow, staff productivity, and secure communication for critical systems.
- DAS and 5G networks for high-speed connectivity across terminals, gates, and runways, enabling mobile check-ins, real-time updates, and automated baggage tracking.

Managed IT & Facility Monitoring Service

- Round-the-clock remote & onsite IT support, monitoring, system updates, and issue resolution to ensure seamless operations for airport tenants and critical facilities.
- Real-time monitoring of HVAC, lighting, security, and energy systems with 3rd party vendor management optimizes resources, reduces cost, and ensures service availability.

Smart Airport IoT/OT Solutions

- Use IoT sensors, AI, and automation technologies to monitor passenger flow, enhance the boarding experience, and manage facilities like HVAC systems for optimized resource utilization, passenger comfort, and energy efficiency.
- Multi-solution, vendor-agnostic dashboards for efficient sensor monitoring and full visibility of critical systems and applications.

Cybersecurity & Compliance

- Protect sensitive airport, tenant, and passenger data from cyber threats.
- Ensure compliance with aviation standards like ICAO and GDPR, maintaining trust and safety across operations.

Technology Roadmap Planning

- Develop strategic plans to future-proof your airport's technology investments.
- Stay ahead of trends by aligning with evolving passenger expectations and operational demands.

Intelligent Control Rooms

- Create high-performance control rooms for real-time monitoring of air traffic, security, and passenger flows.
- Streamline operations and ensure rapid response with robust, intelligent control room solutions.

Audio/Visual & Digital Signage

- Deliver flight updates, navigation assistance, and safety alerts through interactive digital signage, improving the travel experience.
- Enhance airport environments with dynamic audio/visual systems for safety and informational announcements, entertainment, and seamless passenger engagement.

Modern Workplace Services

- Enabling shared tenant workspaces with secure, high-speed internet, collaborative CX tools, and IT support, fostering productivity for airport staff and tenants.
- Centralized management of office technology, including device provisioning and cloud-based applications, ensures seamless workflows and reduces operational overhead.

Shaping the Future of Aviation with Black Box Solutions

Black Box Intelligent Airport Services enable airports to outpace their peers with scalable, reliable, and secure systems that optimize operational efficiency while elevating the passenger and tenant experience. Partner with Black Box to implement these transformative solutions and establish your airport as a leader in the aviation industry.

Why Choose Black Box?

Black Box brings years of expertise in airport technology, delivering tailored, vendor-neutral solutions to optimize operations, enhance safety, and elevate passenger experiences. Our services include wireless infrastructure, cybersecurity, unified communications, and IoT-driven automation, addressing current needs while preparing airports for future challenges.

We specialize in STS design, structured cabling management, Tier 1-3 service desk support, managed voice and data networks, private LTE/5G/DAS provisioning, smart airport management, and ITIL-based ITSM frameworks, ensuring seamless connectivity, operational efficiency, robust security, and long-term success.

Get in Touch

For more information about our services or for a quote, please visit **Blackbox.com**.

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.