



Discover How Advanced OT Cybersecurity Solutions Secured Critical Airport Operations

Overview

At a major airport, critical operational systems that control infrastructure, automation, and monitoring were increasingly exposed to cyber threats, putting essential operations and regulatory compliance at risk. Endpoint security was limited, hardening practices were inconsistent, and reliable on-premises backup was unavailable, creating operational vulnerabilities. By partnering with Black Box, the airport implemented comprehensive OT cybersecurity framework to secure the critical systems, ensure reliable data recovery, and strengthen overall resilience. The solution enabled seamless protection of mission-critical infrastructure while aligning operational systems with CIS compliance standards.

Challenges

The airport's OT environment was vulnerable to cyber risks. Endpoint protection was minimal, system hardening was inconsistent across critical components, and mission-critical data lacked reliable backup. Compliance with CIS benchmarks was essential to maintain operational continuity and meet regulatory requirements, highlighting the need for a unified cybersecurity approach that could protect critical systems while improving overall performance.

AT A GLANCE

CHALLENGES

- Limited endpoint security in the OT environment
- Inconsistent system hardening across critical components
- Lack of reliable on-premises backup for mission-critical data
- Compliance requirements with CIS benchmarks

SOLUTIONS

- Deployed an advanced OT endpoint protection solution
- Implemented Acronis Backup for file, disk, image, and application-level recovery
- Applied CIS Level Hardening across all critical OT components
- Conducted risk mapping and implemented controls to strengthen overall security posture

RESULTS

- 48% reduction in OT cyber threat exposure
- 99.9% backup recovery reliability for critical infrastructure data
- 60% fewer policy violations through CIS-based hardening
- On-time project execution aligned with global best practices

BENEFITS

- Strengthened endpoint security and reduced cyber risk
- Reliable data recovery ensuring operational resilience
- Improved compliance and governance through CIS standards
- Trusted partnership delivering measurable outcomes



Solutions

To address these challenges, Black Box implemented a robust OT cybersecurity solution. Advanced endpoint protection was deployed across all critical OT systems, while Acronis Backup ensured reliable recovery at the file, disk, image, and application levels. CIS Level Hardening reinforced compliance across all components, and risk mapping with control implementation strengthened the overall security posture. The solution provided reliable protection, operational continuity, and reduced cyber threat exposure across the airport's OT environment.

Results

The integrated solutions delivered measurable and lasting impact. OT cyber threat exposure was reduced by 48%, backup recovery reliability reached 99.9%, and policy violations decreased by 60% through CIS-based hardening. The project was completed on time, fully aligned with international best practices, and enabled the airport to operate with strengthened security, enhanced resilience, and regulatory compliance across its critical operational systems.

Why Black Box?

The transformation of this airport highlights why Black Box is a trusted partner in OT cybersecurity. Black Box addressed more than technical vulnerabilities by delivering a scalable, standardized, and compliance-focused security framework. With deep expertise, strong technology partnerships, and a customer-first approach, Black Box empowered the organization to strengthen protection, improve resilience, and operate with confidence in a mission-critical environment. Global enterprises continue to rely on Black Box to secure smarter and operate confidently in today's digital-first world.

Black Box is a global leader in digital infrastructure solutions, delivering network and system integration, managed services, and technology products to Fortune 100 and top global enterprises. With a presence across the United States, Europe, India, Asia Pacific, the Middle East, and Latin America, Black Box serves businesses across financial services, technology, healthcare, retail, public services, and manufacturing.