

High Availability for Airports, Aviation Services, and Airlines

SIOS clustering software provides comprehensive protection for a wide range of applications used in the aviation industry, including baggage handling, departures/arrivals boards, reservations, self-service kiosks, catering management, spare parts inventory & logistics, security video management, access control systems, and many more.

Key Benefits

Flexibility:

- SIOS high availability solutions protect Windows and Linux applications on-premises, virtual, cloud, multicloud and hybrid cloud environments

Provide Superior Protection:

- Protects your entire application stack with high availability clustering, continuous data replication, and disaster recovery functionality
- Application Recovery Kits (ARKs) automate configuration and ensure reliable failovers in compliance with application-specific requirements

Make Clusters Easy:

- Supports physical, virtual, or cloud environments and a wide range of storage architectures

Validated Solutions:

- SIOS products hold a wide range of validations, including Milestone XProtect, Azure HA, Nutanix, AWS Well Architected product, and many more.

Cost Saving:

- Efficient replication engine minimizes network traffic—without hardware accelerators or compression devices.
- Saves labor cost by automating data replication tasks using an intuitive management console

Aviation is a 24/7, 'always on' business; downtime is not an option. Airports and airlines rely on a vast array of digital infrastructure to ensure uninterrupted operations, from ground services to security systems. SIOS High Availability (HA) and Disaster Recovery (DR) solutions are designed to protect these critical systems, ensuring continuous operation and preventing costly disruptions.

Protecting Ground Operations

Ground operations are a critical component of efficient service delivery, security, and overall customer experience. SIOS HA solutions, including SIOS LifeKeeper and DataKeeper software, safeguard a wide range of vital systems involved in ground operations including, baggage handling, and common-use bag drop systems, airport management systems, and spares logistics. Our software ensures that these essential services remain operational, even in the face of hardware or software failures, keeping your airport running smoothly.

Enhancing Passenger Experience

A seamless travel experience starts with reliable passenger processing systems. SIOS HA/DR software enables airports and airlines of any size to enhance the passenger experience by eliminating service disruptions and downtime for critical systems. Our solutions protect everything from reservation systems to self-service check-in kiosks, arrival and departure display systems, and common-use passenger processing systems. This ensures that passengers enjoy a smooth journey from check-in to boarding, while airports benefit from streamlined operations and reduced costs.

Access Control and Security

Security is paramount in any airport or aviation infrastructure. SIOS software provides uptime protection for critical security systems, including access control and video surveillance systems that restrict access to sensitive areas to authorized personnel. In the event of a downtime incident, SIOS' simple, cost-efficient clustering software for either Windows or Linux solutions automatically restore application operation in minutes.

Video Surveillance Systems

SIOS protects leading video surveillance management systems (VMS) that monitor and ensure passenger safety. SIOS LifeKeeper and DataKeeper products are validated for use with leading VMS providers, including Milestone for XProtect. By safeguarding these systems, SIOS helps maintain a secure environment for both passengers and employees.

Airports and Airlines of All Sizes

Whether your airport digital infrastructure is on-premises or in the cloud, SIOS products deliver full application availability and disaster recovery protection. Airports and airlines of any size can rely on SIOS to keep their critical systems running, ensuring that operations are always at their best.

Zero Downtime Maintenance

With SIOS solutions, airports can experience significant operational benefits:

- Patch critical systems without downtime
- Lower on-site infrastructure and facility costs
- Reduced on-site administration requirements
- Decreased deployment time and faster provisioning
- Enhanced scalability and resilience
- Simplified airline application updates and sandbox testing
- Leverage existing infrastructure and support teams
- Increased control over server administration
- Local execution of end-user applications



SIOS Keeps Your Airport Running

Ensure critical flight operations and ground handling systems are protected with SIOS High Availability and Disaster Recovery solutions. Contact us today to learn more about how we can help maintain the uninterrupted, secure operation of your airport and aviation-related applications and services.

About SIOS Technology

SIOS delivers innovative software solutions that provide application availability and disaster protection for Windows and Linux environments.

Essential to any cluster solution, SIOS clustering software provides the flexibility to protect your choice of Windows or Linux environment – and any configuration (or combination) of physical, virtual and cloud storage – without sacrificing performance or availability. SIOS provides unique SANLess clustering software that eliminates both the cost and the single-point-of-failure risk of traditional SAN-based cluster solutions.

Founded in 1999, SIOS Technology Corp., is headquartered in San Mateo, California, and has offices throughout the United States, United Kingdom, Germany, Singapore and Japan.