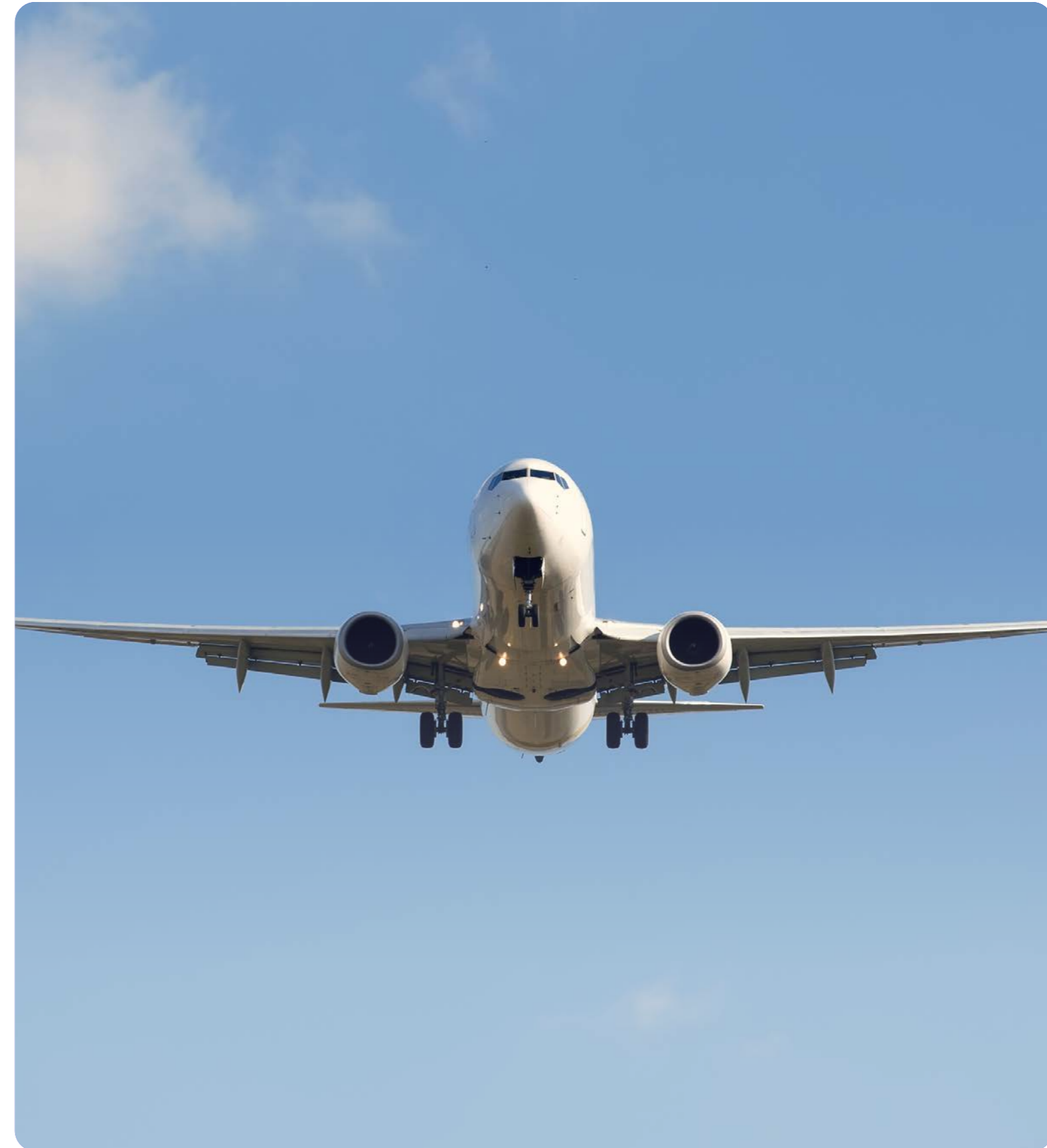


**SITA**

# CONNECT GO

From legacy systems to  
**Limitless Connectivity**





THE CONFIDENCE  
TO GROW

**SITA**

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## WHY AVIATION NEEDS A SMARTER NETWORK NOW

### **Built to scale, ready to soar**

Airports and airlines are some of the most complex digital environments on earth. Every journey depends on countless systems working together seamlessly - from flight operations to passenger services - and nowhere else is the need for fast, secure, and reliable IT quite so critical.

Aviation runs on global connectivity and data. It relies on networks that can handle mission-critical operations, adapt instantly to shifting demand, and keep passengers safe at all times. No other industry has requirements quite like it.

For decades, the sector has depended on the secure flow of information to power its operations. But today new pressures are reshaping connectivity needs: cutting carbon emissions, defending against escalating cyber threats, and accelerating digital transformation. Outdated hardware and applications were never designed for these challenges - and they're now holding airlines and airports back.



**Maya Chbeir,**  
Portfolio Director,  
SITA Connect,  
Communications  
and Data Exchange

The rise of cloud applications, remote working, 24/7 global operations, and data-driven decision-making has raised the stakes. Legacy systems, built for a slower era, simply don't offer the flexibility, compatibility, or resilience needed.

They can limit an airline's ability to expand routes, adapt schedules, and keep pace with growing passenger volumes.

As emerging technologies redefine the digital economy, network connectivity in aviation is no longer just an IT issue - it's a strategic imperative. Cloud-ready, scalable infrastructure is now the backbone of performance, enabling flexibility, resilience, and innovation across the industry. And with operational complexity at an all-time high, the cost of standing still has never been greater.





## INTRODUCING SITA CONNECT GO: BUILT FOR THE PACE OF AIR TRAVEL

### **Stay connected. stay ahead**

In this high-pressure environment, SITA introduced Connect Go - a future-focused, software-defined networking solution built to give aviation the agility, cloud connectivity, and security it urgently needs.

SITA Connect Go is the only Secure Access Service Edge (SASE) solution designed specifically for the air transport industry. Purpose-built for today and ready for tomorrow, it was developed with Versa Networks to deliver agile, scalable infrastructure that evolves in step with aviation's operational challenges. This fully managed platform unifies network, security, and cloud connectivity using advanced software-defined networking (SDN) and virtualization technologies.

With SITA Connect Go, airlines and airports can scale, adapt, and deploy services with speed and confidence. Backed by SITA's deep aviation expertise and presence at more than 750 airports worldwide, the Versa-powered solution provides a ready-to-use platform that integrates networking, security, and cloud services for operations of every size.



## WHAT MAKES CONNECT GO DIFFERENT

### **Designed for aviation, engineered for the future**

SITA Connect Go stands apart because it was built from the ground up with aviation in mind. Shaped by SITA's deep understanding of regulatory and operational complexities, its modular design combines industry expertise with cutting-edge networking technologies.

As a centralized resource, it gives airlines complete visibility and control through SITA's enhanced customer portal or APIs. From robust cloud connectivity to multi-layered security and dynamic scalability, Connect Go is engineered to meet the evolving demands of modern aviation. It aligns IT infrastructure directly with business priorities - driving transformation without disruption.

## Real-time control with smart SD-WAN

### Cloud-native, flight-ready

At the heart of Connect Go is a secure, shared software-defined wide area network (SD-WAN) optimized for aviation. Using multiple underlay types and connectivity infrastructures, SD-WAN transforms traditional networks into a flexible, software-driven platform. It delivers scalable, resilient connectivity across airport sites, cloud environments, and remote locations.

Its core strength is application-aware routing: an intelligent feature that prioritizes data traffic based on the needs of each application. Whether it's departure control, passenger data, flight operations, or security feeds, traffic is routed automatically along the most efficient and secure paths. The result: optimal performance, minimal latency, and uninterrupted protection of mission-critical services.

SITA Connect Go's SD-WAN adapts in real time to changing network conditions. This agility improves efficiency and ensures seamless access to cloud-hosted applications and centralized systems. From cloud apps and departure control to customer data centers and office networks, SD-WAN delivers the flexibility and innovation aviation needs for continuous digital adoption.



## Security from the ground up

### **Security starts where the network begins**

With cloud connectivity, remote access, and mobile technologies blurring traditional network boundaries, aviation faces constant cybersecurity risks. Infrastructure vulnerabilities can disrupt flight operations, compromise passenger safety, and threaten business continuity. On top of this, socially engineered ransomware attacks can paralyze entire organizations by encrypting, stealing, or destroying critical data.

As threats grow more sophisticated, building resilience has never been more urgent - especially in an industry where legacy infrastructure remains widespread.

# Secure Access Service Edge SASE

## The case for SASE

SITA Connect Go places security at its core. By unifying networking and security in a single scalable platform, it simplifies infrastructure, strengthens resilience, and protects data across terminals, cloud platforms, and remote sites. The platform integrates the secure design of SD-WAN with next-generation firewalls and Secure Service Edge (SSE) capabilities.

This centralized approach embeds security from the ground up. It helps airports and airlines achieve operational goals, respond to disruptions in real time, and defend against evolving cyber threats - all without the burden of fragmented security tools or constant hardware upgrades. For aviation, SASE isn't just an enhancement. It's a strategic foundation for business-focused connectivity.





## Secure Service Edge (SSE)

### **Security without borders - trust no one. Secure everything**

Delivered through a dedicated cloud platform within the SASE framework, Secure Service Edge (SSE) safeguards digital infrastructure by detecting threats, enforcing access controls, and managing security at the network edge.

When combined with SD-WAN, SITA Connect Go SSE provides multi-layered protection that blends on-premises defense with cloud-based mitigation. Sensitive data stays secure across all endpoints - without the expense and complexity of physical hardware.

## Core components of SSE - one framework for complete protection

Unlike legacy solutions, SITA SSE consolidates multiple security functions into one cloud-delivered platform. This eliminates bulky hardware while enabling rapid deployment and continuous protection with automatic updates. Fully integrated with SITA Connect Go, SSE can be rolled out across airport back offices, check-in counters, and remote users to deliver secure, reliable access to cloud applications and internet resources. With lightweight software on laptops and mobile devices, staff can safely connect, collaborate, and stay compliant from anywhere.

Within this unified framework, SSE integrates five key technologies:

- Zero Trust Network Access (ZTNA): Verifies every user and device, granting access only to authorized applications - no assumptions, no gaps.
- Firewall as a Service (FWaaS): Cloud-hosted protection against malicious traffic and cyber threats, without physical hardware.
- Cloud Access Security Broker (CASB): Monitors cloud-based file sharing and storage, enforcing policies and preventing malicious use.
- Data Loss Prevention (DLP): Safeguards sensitive data such as passenger records or financial details from unauthorized sharing or leaks.
- Unified Threat Management (UTM): Delivers real-time detection and response, identifying malware, anomalies, and suspicious activity before they affect operations.





For an industry where security and data protection are mission-critical, SITA SSE offers cloud-native defense tailored for aviation. Scalable, streamlined, and optimized for performance — it's not just a security tool, but a backbone for a smarter, safer, and more connected air transport industry.

# Firewall protection without the complexity

## **Application-aware. Aviation-Ready**

SITA's next-generation firewall (NGFW) is purpose-built for the air transport industry, providing advanced protection against today's evolving cyber threats. Powered by Versa Networks, it goes beyond standard Layer 4 capabilities - where network content often remains uninspected and application-level threats slip through - to tackle aviation's unique operational challenges with advanced threat intelligence.

Unlike traditional, IP-based security, the NGFW applies context-aware detection to identify and control applications at the source. Using deep packet inspection and signature matching, it can recognize specific apps such as email, chat, or file sharing, even when traffic is encrypted or disguised through common ports. This allows airlines and airports to apply precise security policies, prioritize mission-critical services, and block unauthorized or high-risk tools within a smarter, more responsive framework.

Fully integrated into SITA Connect Go, the NGFW runs directly on the SD-WAN platform. This eliminates the need for additional hardware and simplifies management by providing full visibility and control over both network and security from a single unified portal. The result is rapid deployment, streamlined operations, and reduced complexity.

With a Security Effectiveness Score of 99.87% in the CyberRatings.org Enterprise Firewall Evaluation, SITA's NGFW sets a new benchmark for performance and reliability in aviation security.



# Cloud on your terms with multi-cloud integration

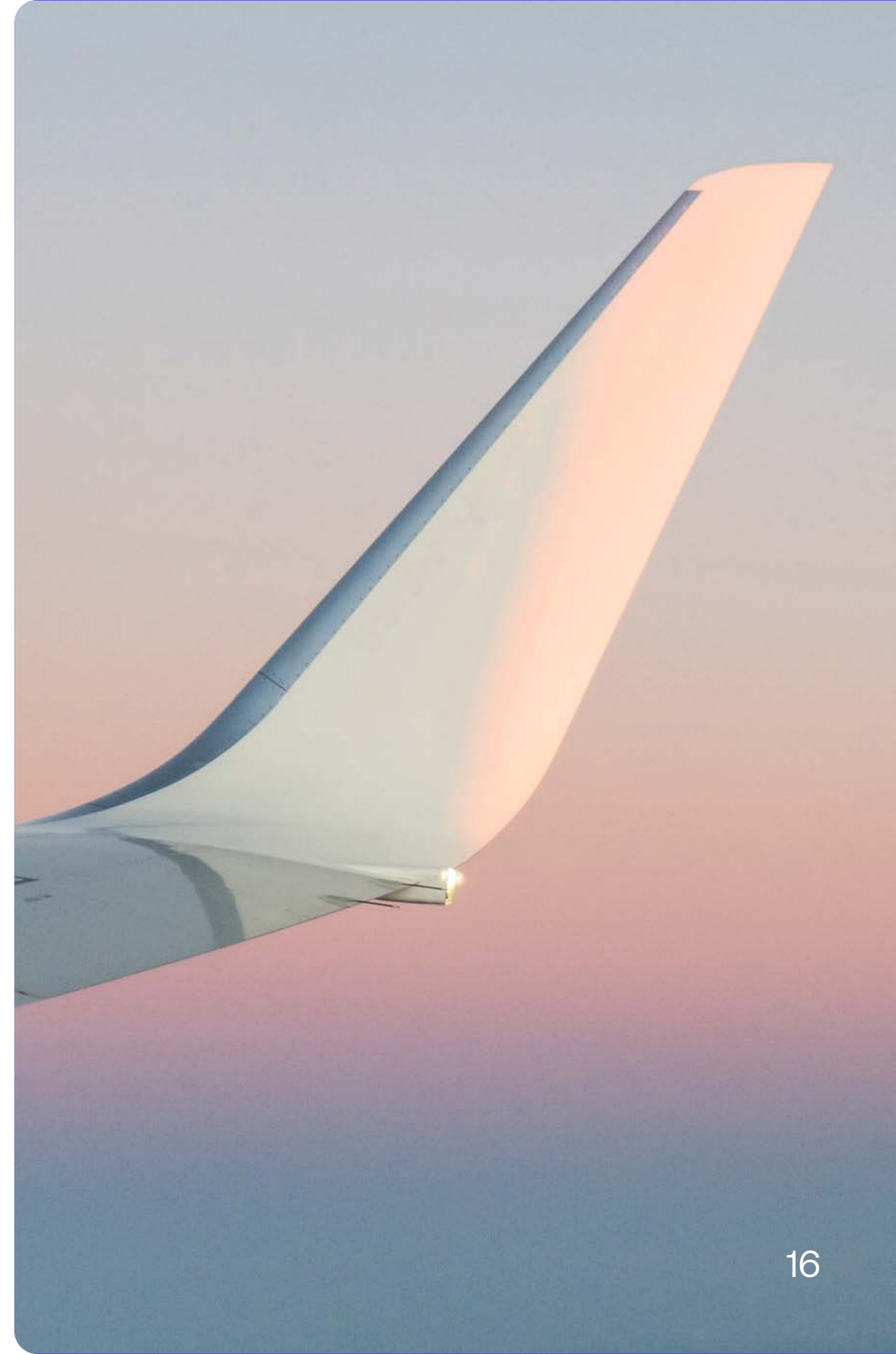
## Cloud without limits, compliance without compromise

Cloud adoption is transforming aviation. Airlines are turning to multi-cloud strategies to modernize IT, reduce risk, and fuel innovation. But relying on a single cloud provider creates well-known challenges - from vendor lock-in to compliance hurdles and uneven service levels. For global carriers operating across multiple jurisdictions, where data is stored isn't optional: regulatory compliance and asset protection demand full control. Airlines also need round-the-clock access to applications, no matter where they're hosted.

SITA Connect Go Multi-Cloud, powered by Alkira, cuts through this complexity with a unified multi-cloud networking architecture. Embedded directly into SITA Connect Go, it optimizes access to applications and data while giving operators centralized

control and full visibility across all resources. Delivered entirely as a service, with no hardware or software to buy, it simplifies deployment, reduces management overhead, and breaks down barriers across hybrid and multi-cloud infrastructures.

While public cloud offers scalability and cost efficiency, some mission-critical workloads must remain in private data centers for reasons of security, latency, or regulation. SITA Multi-Cloud supports both public and private environments, providing the flexibility airlines need to run hybrid cloud strategies without compromise.





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Acting as a universal adaptor, SITA Multi-Cloud connects all cloud platforms and airline-specific applications seamlessly. It enables real-time data sharing, frictionless connectivity, and the scalability required to evolve as business needs change. With a subscription model and no infrastructure investment, airlines can adapt freely without being tied to a single provider.

And with Gartner forecasting that over 90% of organizations will adopt hybrid cloud models by 2027, SITA Multi-Cloud ensures airlines are ready. It lays the foundation for future-proof operations by integrating best-in-class services from multiple providers into one streamlined framework.

## Seasonal flexibility without permanent costs

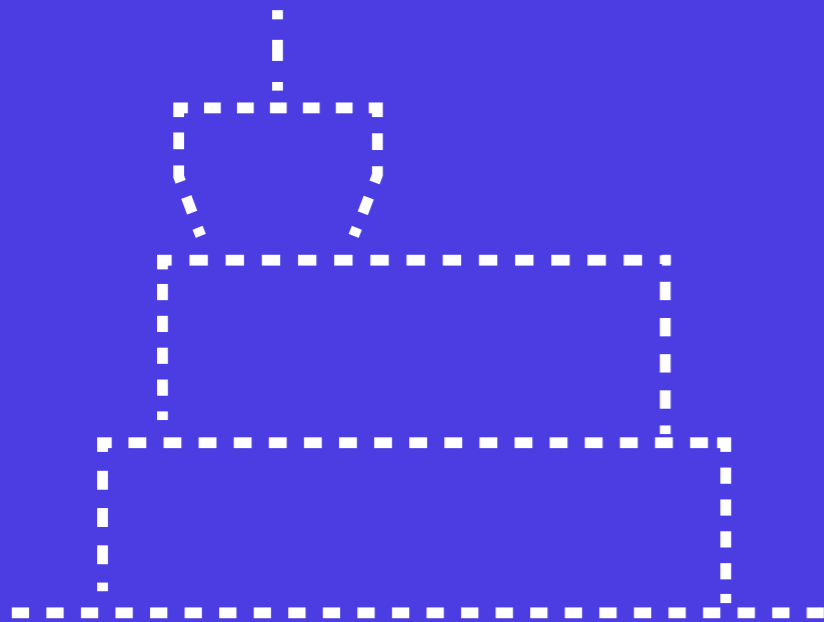
### Connect smarter: peak season, prime opportunity

Seasonal peaks create both opportunity and challenge for airlines. As leisure demand surges and holiday or event-driven travel intensifies, carriers must expand services without driving up long-term costs. Traditional connectivity contracts struggle to keep pace - often leaving airlines with idle resources in quiet periods or expensive overprovisioning during peaks.

SITA Connect Go Seasonal solves this by delivering flexible connectivity tailored to shifting demand. Airlines and airports can respond to short-term passenger spikes - whether for summer holidays, winter destinations, or major sporting events - without the burden of long-term commitments. It also allows operators to test new routes or expand into seasonal markets with minimal risk.

At its core is financial efficiency. With contract terms as short as three to nine months, airlines pay only for the connectivity they need, when they need it. This avoids costly, oversized multi-year agreements and frees up resources for more profitable investments.

Flexible, efficient, and aligned to real-world market cycles, SITA Connect Go Seasonal helps airlines streamline operations, enhance the passenger experience, and unlock new revenue opportunities - all while keeping budgets lean and responsive.





## Global reach, local speed with AirportHub

### From gate to global growth

End-to-end connectivity is critical for airline operations. Carriers need reliable systems at every location to enable seamless communication and data exchange across airports, ground handlers, and tenants.

But procuring new airport connectivity is rarely simple. Each environment is complex, with long lead times for design, installation, and upgrades. Relying on local providers often proves costly and fragmented, requiring coordination across multiple languages, service models, and regulatory frameworks.

SITA AirportHub offers a smarter, more streamlined alternative. As a shared, airport-wide connectivity platform, it delivers secure international communication services to aviation stakeholders. Already deployed at over 300 sites in more than 100 countries, AirportHub makes it easy for airlines and partners to connect to central systems from any airport location.

By replacing disparate local networks with a pre-integrated, multi-tenant infrastructure, AirportHub reduces complexity and accelerates deployment - often in as little as 21 days. This enables airlines and tenants to activate new routes or seasonal destinations quickly, while scaling bandwidth to meet operational demands.

Engineered for resilience, AirportHub incorporates hardware and connectivity diversity to eliminate single points of failure. This ensures high availability and business continuity while supporting growing demand for mobile wireless access - from handheld devices to next-generation aircraft at hub and destination airports.

The SD-WAN-enabled AirportHub (APH-V) extends this platform with secure, business-grade VPN connectivity and streamlined access to cloud and application-centric services.

As part of SITA Connect Go, APH-V delivers cost-effective support for a wide range of airport operations and business-critical applications.

And as a single global supplier, SITA provides standardized solutions and multilingual support regardless of geography. This one-stop-shop model simplifies administration, shortens upgrade cycles, and enables airlines to unlock new revenue streams faster and more efficiently.

With more than 10,000 active connections supporting over 400 airlines, AirportHub powers many of the world's busiest airports - from Heathrow, Haneda, and Atlanta to smaller regional hubs worldwide. Proven, resilient, and highly scalable, it's the connectivity backbone aviation depends on.



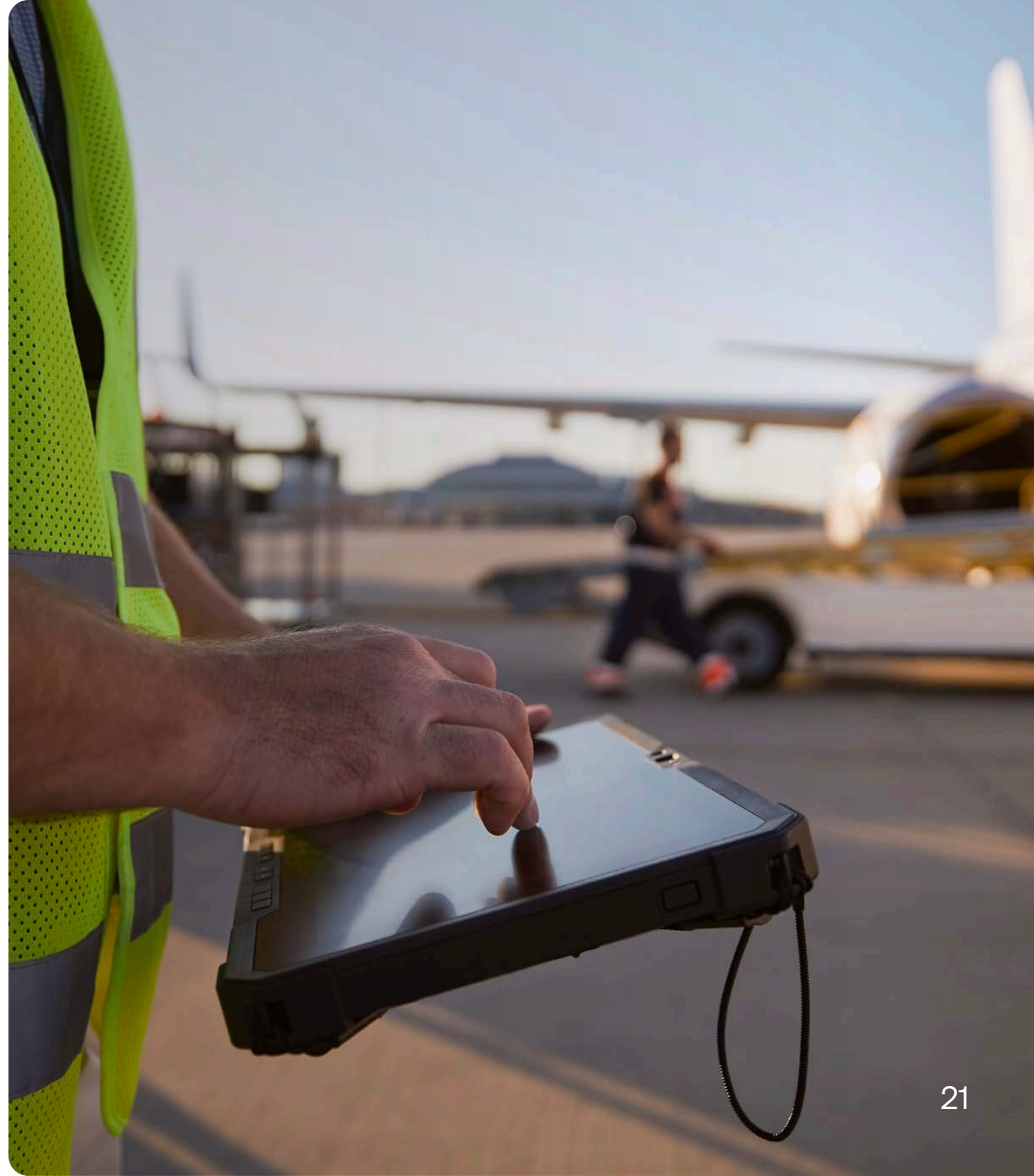
## BUILT FOR TODAY: READY FOR WHAT'S NEXT

### **Engineered to perform. Designed to adapt**

SITA Connect Go is more than network technology - it's a strategic driver for modern aviation. Purpose-built for the industry, it replaces aging IT with a secure, agile, cloud-based platform built on software-defined architecture.

Its modular design means airlines and airports can activate new services on demand, without disruptive upgrades. The vendor-neutral architecture supports hybrid deployments and avoids supplier lock-in, giving operators the freedom to adapt as technologies, business models, and passenger expectations evolve.

By combining advanced connectivity with real-world aviation expertise, SITA Connect Go enables organizations to scale with confidence, modernize operations, and unlock long-term opportunities.



## Proven in practice

**Cathay Pacific** has adopted SITA Connect Go to support its shift toward cloud-based applications while maintaining performance for legacy systems. As one of the earliest adopters of the original SITA Connect, its move to Connect Go reflects continued trust in SITA's technology.

Using SITA's airport infrastructure, Cathay Pacific has been able to transition smoothly to cloud applications while enhancing efficiency and scalability. Three dedicated gateways ensure legacy applications continue to perform reliably, bridging the gap between traditional infrastructure and modern demands. Deployment is accelerated through SITA's resilient APH-V infrastructure, minimizing disruption and allowing rapid rollout across the network. With flexible packaging and customization, Cathay Pacific can tailor connectivity to its operational needs, optimizing performance while managing costs.





**Qatar Airways** has also modernized its global network infrastructure using advanced SASE solutions. Central to this transformation is SITA Connect Go, which links its outstations and airports to hybrid cloud and partner systems, delivering agile, scalable access to critical applications.

As one of the first global adopters, Qatar Airways is benefitting from faster, more reliable connectivity, optimized costs, and greater bandwidth. SD-WAN gateways ensure compatibility with existing systems, enabling a smooth transition to a more flexible architecture. This supports the airline's focus on passenger experience and operational excellence while laying the groundwork for future digital innovation.

**ITA Airways** is transforming its global network with SITA Connect Go, moving from private circuits to a full SASE platform. This unified approach to networking and security reduces IT costs by an estimated 20% while enabling next-generation capabilities such as mobility, IoT, and cloud computing.



## NEXT-GENERATION TRAVEL RUNS ON SITA

### **Connect with confidence. Innovate without compromise**

For more than 75 years, SITA has delivered mission-critical IT to the air transport industry. With deep sector expertise and advanced technologies, we help airlines and airports operate, scale, and evolve with confidence.

SITA Connect Go is the newest and most advanced way to securely connect users to applications. Built for aviation, it replaces outdated systems with a modular, software-defined platform designed to support both airport and remote operations. Vendor-neutral and hybrid-ready, it delivers the resilience and flexibility airlines need to thrive in today's dynamic market.

Integrated with SITA's global AirportHub platform, Connect Go spans more than 200 countries and 600 airports, delivering high-performance connectivity to over 2,500 aviation customers, including many of the world's leading carriers.

Engineered to evolve, SITA Connect Go integrates new capabilities seamlessly, without disruption, helping airlines minimize technical debt and accelerate innovation. By aligning IT transformation with strategic business goals, it ensures aviation stakeholders are not just ready for change - they're ready to lead it.

WE'RE HERE  
TO ANSWER  
YOUR QUESTIONS

For more details about how SITA Connect Go can transform your operations,  
please contact your Account Manager.

# SITA



For more information [click here](#) or email us [info@sit.aero](mailto:info@sit.aero)



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