

Accelerate Performance from Ground to Sky: Modern IT Solutions for Aerospace & Transportation

Overcoming the toughest aerospace & transportation tech obstacles

For aerospace and transportation organizations, uptime, safety and compliance aren't just priorities — they're mission critical. Highly distributed operations, complex regulatory mandates, rapid digital transformation and persistent cyber threats require IT leaders to balance resilience, efficiency and airtight security across every mile and altitude.

From fleet management and critical infrastructure to aviation networks and smart transit systems, the stakes are high: disruptions ripple through supply chains, passenger safety hangs in the balance and compliance violations risk costly penalties and lost trust. Supporting frontline teams, connecting global assets and safeguarding sensitive data demands smarter, automated solutions designed for this dynamic landscape.



Aerospace & Defense experienced 879 claimed cyberattacks between September 2024 and September 2025, with 76% being politically motivated DDoS campaigns.¹

Key threats and technology gaps in modern aerospace & transportation

Distributed, complex asset environments

Managing a vast array of devices and endpoints (e.g., aircraft avionics, mobile terminals, IoT sensors, fleet systems, passenger-facing tech) complicates visibility, lifecycle management and troubleshooting. Untracked or unmanaged assets create vulnerabilities that can lead to downtime, data breaches and operational delays.

Commercial aerospace faces a backlog of 17,000 jets, creating operational strain and forcing airlines to extend fleet lifespans from 13 to 15 years.²

Safety, compliance & regulatory pressure

Whether adhering to global aviation standards, transportation privacy laws or cybersecurity frameworks, organizations must maintain robust security controls and evidence of compliance at all times. Non-compliance isn't an option: failure risks financial penalties, reputational damage and user safety.

2024 saw continued struggles with runway incursions, turbulence-related accidents and abnormal runway contact events.³

Aerospace companies face mounting pressure to align with new global safety and emissions standards, including ReFuelEU mandates for sustainable aviation fuel.⁴

Aviation regulators (FAA, EASA, ICAO) are tightening compliance requirements, increasing operational costs and complexity for airlines and MRO providers.⁵

Persistent cyber threats

Aerospace and transportation infrastructures are attractive targets for ransomware, espionage, sabotage and service disruption. Attackers exploit legacy systems, remote access, supply chain complexity and operational blind spots. Proactive risk management — powered by real-time monitoring and rapid response — keeps threats at bay.

Operational efficiency & seamless service delivery

Frontline workers, remote teams and on-the-move assets require secure, reliable access to critical systems at all times. Manual processes and fragmented IT support slow response, disrupt productivity and impact the end-user experience — whether it's a pilot, station manager or logistics coordinator.

Supporting innovation and resilience at scale

Aerospace and transportation leaders are tasked with modernizing infrastructure, supporting sustainability initiatives and automating workflows. But rapid digital transformation must be balanced with continuity, cost control and ongoing risk mitigation.

MRO spending is projected to rise 14% YoY in 2025 as airlines extend fleet lifespans amid delivery delays.⁶

Transforming fleet and facility IT: Ivanti for aviation & transport excellence

Ivanti empowers aerospace and transportation organizations with unified IT management, cybersecurity and asset intelligence designed for distributed, high-stakes environments.

The Ivanti blueprint: Securing every asset, workflow and connection

To help aerospace and transportation organizations navigate complexity and thrive amidst continuous change, Ivanti delivers a holistic strategy built on three foundational pillars. This proven framework equips IT leaders to safeguard critical assets, ensure operational continuity and drive compliance, empowering your teams to meet the highest standards of safety and efficiency, wherever their duties lead.

Secure every asset, everywhere

Gain holistic, real-time visibility into every device, system and endpoint across all locations and vehicles. Automate asset discovery, patching, application control and compliance enforcement to identify and remediate vulnerabilities before they impact operations, safety or regulatory standing.

AI-driven tools are optimizing flight paths for efficiency and reducing unscheduled maintenance events by 30%.⁷

- Centralized control for avionics, mobile fleet devices, logistics servers, IoT sensors and more.
- Advanced endpoint protection and granular policy management for total peace of mind.
- Automated compliance tracking and reporting for audit readiness.

Automate IT workflows & accelerate support

Empower IT teams to eliminate manual effort with automated provisioning, updates and incident management. Deliver robust remote support for distributed teams and frontline personnel, resolving issues before they disrupt schedules or safety. AI-powered self-service portals and streamlined ticketing accelerate troubleshooting and keep staff focused on passengers and cargo — instead of device problems.

- Rapid incident resolution and intelligent problem-solving with proactive monitoring.
- Secure, zero-trust access for staff, crew and contractors across all operational zones.
- Personalized user environments for seamless access to essential systems from anywhere.

Safeguard data, minimize downtime & drive innovation

Mitigate risk from cyberattacks, data loss and unplanned outages with layered security controls, continuous monitoring and swift automated response. Ensure service continuity and protect sensitive operational data, freeing teams to focus on innovation, safety and operational excellence.

- Real-time vulnerability detection and emerging threat response.
- Secure onboarding and lifecycle management for devices and users.
- Automated patch updates to reduce overhead and staff time while boosting resilience.

Ivanti aerospace & transportation solution benefits

- ✓ **Minimize operational disruptions:** Achieve nonstop service and uptime across distributed fleets, infrastructure and teams — even during periods of rapid change or heightened risk.
- ✓ **Strengthen security and regulatory compliance:** Protect every endpoint, enforce security policies and maintain compliance with global aviation and transportation standards.
- ✓ **Optimize asset utilization and reduce costs:** Track and manage assets in real time, minimize device loss/theft and streamline maintenance to cut waste and sustain performance.
- ✓ **Accelerate support and enhance productivity:** Empower users with fast, reliable access and automated support, improving satisfaction and enabling teams to deliver safe, efficient service.
- ✓ **Future-proof operations:** Automate IT tasks, boost sustainability and support digital transformation with resilient infrastructure and unified controls.



Operational excellence from terminal to tarmac

Unlock true operational resilience with Ivanti's portfolio of specialized solutions. Tailored for the demands of aerospace and transportation, these tools work together to deliver complete visibility, security, automation and support — keeping every asset and workforce connected, protected and empowered.



Ivanti Neurons for Discovery

- Instantly discovers and inventories every device where they operate — from airport terminals to mobile fleets.
- Eliminates visibility gaps and blind spots, making strategic asset management intuitive and reliable.
- Maps asset relationships to applications and critical systems, supporting business continuity and compliance.



Ivanti Endpoint Manager

- Centrally manages configuration and updates for diverse devices, including avionics, fleet systems and rugged mobile endpoints.
- Automates deployment and policy enforcement for consistent performance and minimal disruption.
- Supports multi-OS fleets (Windows, Mac, iOS, Android, IoT) from a unified console.
- Ensures robust compliance and security controls across all operational zones.



Ivanti Endpoint Security

- Provides multi-layered protection against cyber threats targeting aviation and transportation infrastructure.
- Delivers automated patch management, application/device control and privilege restrictions.
- Detects and responds to vulnerabilities across legacy, mobile and IoT devices.
- Simplifies regulatory compliance and proactively defends sensitive operational data.



Ivanti Neurons for ITSM

- Automates IT service delivery and incident resolution, reducing downtime for frontline teams.
- Harnesses AI-driven workflows and self-service tools to speed up support — anytime, anywhere.
- Empowers staff with fast, reliable access to help, enhancing user satisfaction and operational continuity.
- Enables data-driven service optimization tailored to industry needs.



Ivanti Neurons Workspace

- Delivers personalized desktop and application experiences, no matter the device or location.
- Supports seamless user transitions across shared workstations, mobile crews and remote offices.
- Protects data and user profiles while streamlining onboarding and offboarding.
- Enhances productivity and increases user satisfaction by ensuring consistent, secure access.

Driving transformation and modernization across every route and runway

From airports and control towers to rail networks and logistics hubs, Ivanti solutions empower IT leaders to secure, manage and optimize every asset and every mile of operation. With unified visibility, intelligent automation and robust security controls, aerospace and transportation organizations can achieve resilience, regulatory confidence and operational excellence — now and into the future.

“We have cut overhead and staff time as a result of Ivanti’s automated patch updates...Ivanti, in all aspects, has exceeded our expectations.”

Umair Saleem
IT Team Leader
Victoria Department of Transport



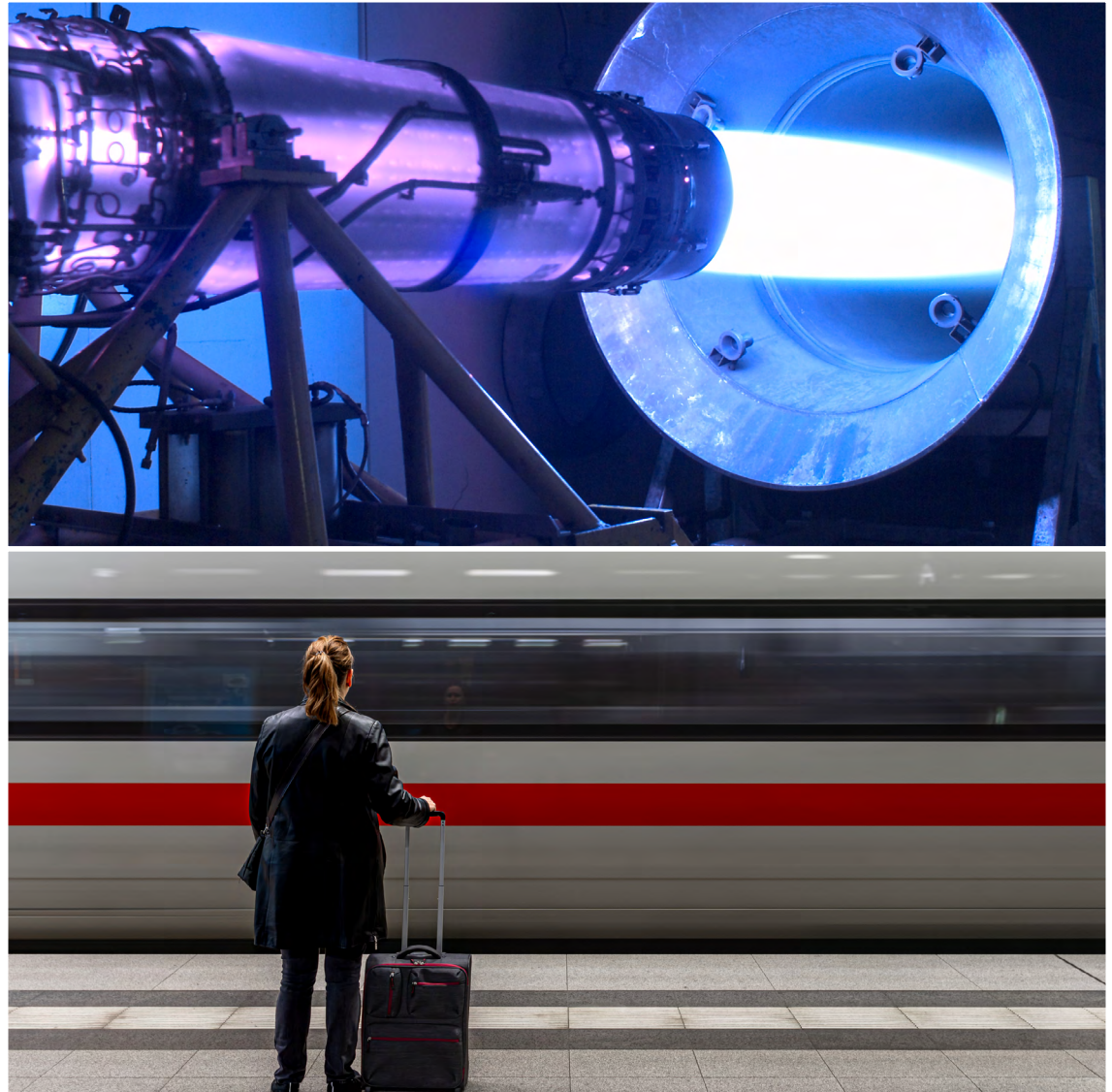
“The Ivanti support platform as a whole is fantastic. It’s literally one of the best I’ve ever experienced.”

Jake Von Esh
IT Infrastructure Manager
National Express Corporation



“We wanted [our information security colleagues] to still be able to manage their SARS and complaints, which is part of the overall laws around GDPR...so that was fantastic for us to have that. ”

Lucy Dixon
Service Transformation Lead
Arriva Limited



Ready to elevate your fleet, facility and team performance?

Connect with Ivanti experts to discover how you can drive efficiency, security and resilience at scale.

Contact our team today

Learn more

Book a demo

About Ivanti

Ivanti is a global enterprise IT and security software company dedicated to unlocking human potential by managing, automating and protecting data and systems to empower continuous innovation. With adaptable software solutions tailored to customer needs, Ivanti empowers IT and security teams to enhance operational efficiency, cut costs and proactively mitigate security risks. At the heart of Ivanti's offerings is the AI-powered Ivanti Neurons platform, which transforms the way IT and security teams operate. By delivering unified, reusable services and tools, the platform helps ensure consistent visibility, scalability, and secure solution implementation, enabling teams to work smarter, not harder. Over 34,000 customers, including 85 of the Fortune 100, have chosen Ivanti to meet their challenges. Ivanti follows "Secure by Design" principles to provide software solutions that scale with our customers' needs to help enable IT and Security to improve operational efficiency while reducing costs and proactively reducing risk. Ivanti fosters an inclusive environment where diverse perspectives are honored and valued, reflecting a commitment to a sustainable future for customers, partners, employees and the planet. Learn more at [ivanti.com](https://www.ivanti.com) and follow us on social media @Golvanti.

The Ivanti logo, featuring the word "ivanti" in a bold, lowercase, sans-serif font. The "i" is red, and the "vanti" is black. A small registered trademark symbol (®) is located at the top right of the "i".

For more information, or to contact Ivanti, please visit [ivanti.com](https://www.ivanti.com).

1. CybelAngel. (2025, September 24). Aerospace & Defense: 2024–2025 Cyber Threat Landscape.
2. CybelAngel. (2025, September 24). Aerospace & Defense: 2024–2025 Cyber Threat Landscape.
3. Flight Safety Foundation. (2025, February). 2024 Safety Report.
4. StartUs Insights. (2025, August 7). Top 10 Aerospace Trends & Innovations in 2026.
5. StartUs Insights. (2025, August 7). Top 10 Aerospace Trends & Innovations in 2026.
6. Accenture. (2025, April 28). Navigating Uncertain Skies: Commercial Aerospace Insight Report.
7. StartUs Insights. (2025, August 7). Top 10 Aerospace Trends & Innovations in 2026.