

Fleet Watch

AlarisPro Newsletter

ALARIS[®] PRO
Fleet Management Platform

VOLUME 5 - Summer 2025

Fleet Management Software Built to Improve Safety & Reliability for the Aviation Industry

BVLOS is Now - AlarisPro is Leading the Way

Your Mission-Critical Update on Executive Order Readiness, BVLOS Compliance, and the Future of UAS Operations

With the FAA's Beyond Visual Line of Sight (BVLOS) rulemaking deadlines approaching and the White House's "Unleashing American Drone Dominance" Executive Order (EO) now in motion, 2025 is proving to be the most transformative year in UAS operations to date. As the only fleet management platform purpose-built to meet the EO's requirements, AlarisPro is proud to be at the forefront —empowering public agencies, energy providers, and OEMs with the tools they need to operate safely, compliantly, and confidently in the new regulatory landscape.

In this issue of Fleet Watch, we highlight the breakthroughs, benchmarks and innovations shaping the future of BVLOS operations and regulatory compliance:

- **Why AlarisPro sets the standard for BVLOS approval and EO-aligned fleet management**
From waiverless readiness to integrated SMS and weather intelligence, our platform was built for today's compliance and tomorrow's airspace demands.
- **Notable customer achievements in BVLOS missions across energy, government, and infrastructure**
From thousands of risk-scored missions to operational time savings, our users are redefining what scalable BVLOS success looks like.
- **A look at our one-of-a-kind Digital Twin technology and newly awarded NASA "Small Business Innovation Research" (SBIR) Grant**
Learn how our virtualized aircraft monitoring is shaping predictive maintenance and helping us pioneer next-gen UAS safety.
- **A recap of our powerful presence at XPONENTIAL and the Energy Drone & Robotics Summit 2025**
Relive the highlights from Houston as we debuted new features, launched strategic partnerships, and connected with BVLOS leaders from around the world.
- **A spotlight on customer success: featuring Windracers**
See how the world's leading heavy-lift drone fleet is using AlarisPro to power BVLOS logistics missions from the Arctic to Africa.
- **What to expect in the UAS industry for the rest of 2025—and how we're leading the charge**
With the FAA's rulemaking on the horizon, AlarisPro is doubling down on innovation, integration, and industry partnerships.

Be sure to stay tuned for the next issue of FLEET WATCH this fall!

Leading the Charge in BVLOS Approval and Compliance

Beyond Visual Line of Sight: Why AlarisPro Sets the Standard

At AlarisPro, we're not just part of the Beyond Visual Line of Sight (BVLOS) conversation—we're shaping its future. As the UAS industry shifts rapidly toward routine BVLOS operations, fueled by mandates like the 2025 Executive Order *"Unleashing American Drone Dominance,"* operators need more than software—they need a strategic partner. That's where we come in.



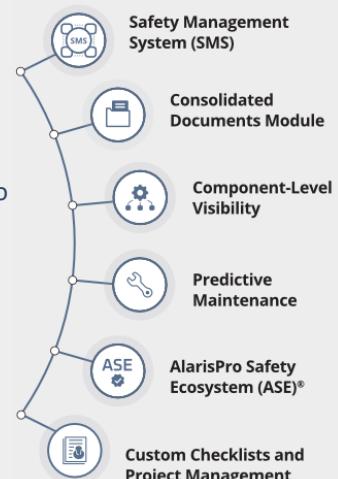
The Gold Standard in Compliance Infrastructure

With the FAA's draft rule on BVLOS operations imminent, operators are racing to secure waiver approvals and establish sustainable compliance programs. AlarisPro is uniquely positioned to support these efforts. As the only comprehensive UAS fleet management platform offering true component-level tracking and aviation-grade compliance tools, we provide you with the confidence to meet and exceed regulatory expectations.

The AlarisPro Compliance Toolkit Includes:

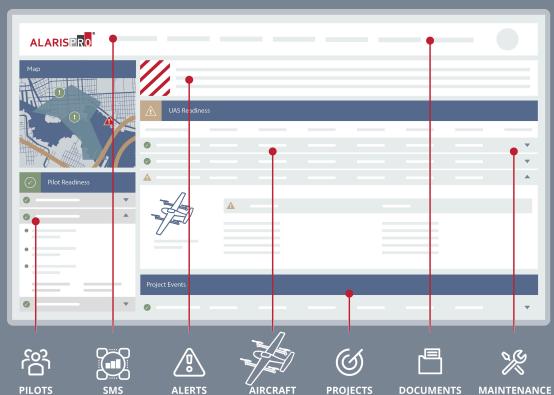
- BVLOS Requirements Tracking**
Exportable, regulator-ready data packages customized for FAA and global compliance needs
- Component-Level Maintenance & Digital Twin Technology**
Real-time, aircraft-specific oversight of critical components and system health—only from AlarisPro
- Safety Management System (SMS) & Flight Risk Assessment Tool (FRAT)**
Aligns with FAA/ICAO standards for flight risk assessment, document tracking, and incident management
- Fleet-Wide Intelligence & Predictive Insights**
20+ customizable reports, analytics dashboards, and CSV/PDF exports designed to convert data into safety and performance strategy

These aren't hypothetical features - they're trusted in real-world BVLOS missions across industries including energy, logistics and public safety.



Your Compliance Partner, Not Just a Software Provider

From regulatory-compliant flight logs to BVLOS-aligned supply chain documentation, AlarisPro consolidates your safety and compliance workflows into a centralized, auditable platform. Our crowd-sourced Safety Ecosystem delivers proactive alerts and early warnings, helping operators identify risks before they become incidents.



Why BVLOS Demands a Pro-Level Safety Management System:

When flying beyond the visual line of sight, the margin for error gets tighter and accountability takes center stage. That's why a comprehensive Safety Management System (SMS) isn't just a nice-to-have feature, it's deemed to be mission-critical by regulators.

With AlarisPro, operators gain a centralized and easy-to-use SMS built specifically for UAS, incorporating risk assessments, flight logs, pilot qualifications, and component-level maintenance in one aviation-grade platform.

Set the Standard. Stay Ahead.

Whether you're applying for your first BVLOS waiver, expanding to nationwide operations or simply preparing for the FAA's pending BVLOS rules, AlarisPro gives you the platform, tools, and support to demonstrate operational readiness with confidence.

Learn how AlarisPro can accelerate your BVLOS strategy

Notable AlarisPro Customer Achievements in BVLOS Missions Across Defense, Security, and Infrastructure for 2025



Our customers are redefining what's possible with BVLOS operations—turning ambitious goals into real-world impact across energy, government, and infrastructure. From cutting-edge security missions to streamlined inspections and airspace innovation, these organizations are proving that with the right tools and data by AlarisPro, safe and scalable BVLOS isn't a goal—it's a game-changer already in motion.



Security & Surveillance

TITAN PROTECTION **Titan Protection** became the first private security company to secure a full FAA nationwide BVLOS waiver, enabling autonomous drone surveillance across high-risk commercial properties. Powered by detailed component tracking and real-time readiness scoring, Titan's Drone-as-a-Service model now operates with unprecedented scale and safety.



Airspace Integration

Honeywell **Honeywell** launched a BVLOS suite for light drones, leveraging AlarisPro's digital twin insights to push the boundaries of long-endurance and low-maintenance operations. With mission planning tied directly to historical component performance, their solutions are streamlining industrial UAS deployments.



Logistics & Delivery

NASA **NASA Aeronautics** continued integrating BVLOS risk management into its UTM systems, using real-world mission data to inform national-scale drone traffic planning. AlarisPro is proud to support this work with NASA toward a safe and scalable airspace ecosystem.



Infrastructure Inspection

EDGE AUTONOMY **Edge Autonomy**—recently acquired by Redwire—is preparing for expanded BVLOS deployment of its tactical UAS platforms. By centralizing component health and service life tracking within AlarisPro, their customers are mission-ready at a moment's notice.



Government & Defense

TEKEVER **TEKEVER**, Europe's newest defense-tech unicorn, continues scaling long-range maritime BVLOS operations with AI-driven UAS and integrated fleet analytics.

Looking Ahead: Strategic Potential for BVLOS in the Utility Sector

Industry leaders like Southern California Edison, Duke Energy, and Southern Company are increasingly turning to BVLOS to support grid resilience, wildfire mitigation, and rapid post-disaster inspections. With AlarisPro powering their fleet readiness, these companies are poised to unlock new levels of safety and efficiency across thousands of miles of transmission infrastructure.

AlarisPro has been committed to enabling safe and scalable BVLOS operations since 2016, building a platform grounded in aviation-grade standards and real-time safety insights. With a proven track record supporting waiver compliance and mission success, we've supported industry leaders like Soaring Eagle Technologies, ArgenTech Solutions, and others in obtaining and operating under FAA-approved BVLOS waivers. Whether you're preparing your first waiver application or scaling an existing BVLOS program, AlarisPro is uniquely positioned to support every step of your journey.

Ready to take your operations beyond visual line of sight?

Contact us today to explore how AlarisPro can help you navigate the path to BVLOS approval with confidence.

Fortifying Your BVLOS Operations with Safety & Reliability

Fleet Intelligence for Operators
Real-World Insight for Manufacturers



AlarisPro powers the future of UAS with a living digital twin for every aircraft model our OEMs build and operate.

We're proud to introduce the industry's first and only digital twin technology purpose-built for UAS, a groundbreaking advancement that transforms how safety, maintenance, and compliance are managed.

A digital twin is a live, virtual model of each aircraft in your fleet, continuously updated with real-time and historical performance data. By leveraging machine learning and the industry's only UAS component reliability data lake, AlarisPro's system predicts failures before they happen and quickly flags anomalies that create risk.

Why it matters:

In the fast-moving world of UAS operations, the top priorities are simple; keep flying, stay profitable, and avoid problems before they ground you.

AlarisPro supports these priorities with an unmatched tool set that enables you to:

- Shift from reactive to predictive maintenance
- Detect safety issues before they ground operations
- Optimize fleet readiness and reduce downtime
- Strengthen regulatory compliance with actionable insights

Exclusively available on the AlarisPro platform, this innovation gives fleet operators, OEMs, and regulators unprecedented visibility and control—paving the way for safer, smarter BVLOS operations.



AI Takes Flight: AlarisPro Awarded NASA Innovation SBIR

We're excited to share that AlarisPro has been awarded a **NASA Small Business Innovation Research (SBIR)** contract to develop a groundbreaking AI-Enhanced Digital Twin Framework for Unmanned Aircraft Systems (UAS). This innovation will enable real-time risk assessment, predictive maintenance, and more reliable integration of drones into the National Airspace System. By combining advanced AI techniques with component-level performance data, we're moving from reactive maintenance to proactive, condition-based safety strategies enhancing fleet performance and operational confidence. Stay tuned as we work with NASA and other partners to reshape the future of unmanned aviation safety.



[Read the full announcement here!](#)

*The material contained in this document is based upon work supported by a National Aeronautics and Space Administration (NASA) grant or cooperative agreement. Any opinions, findings, conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NASA.



CUSTOMER SPOTLIGHT



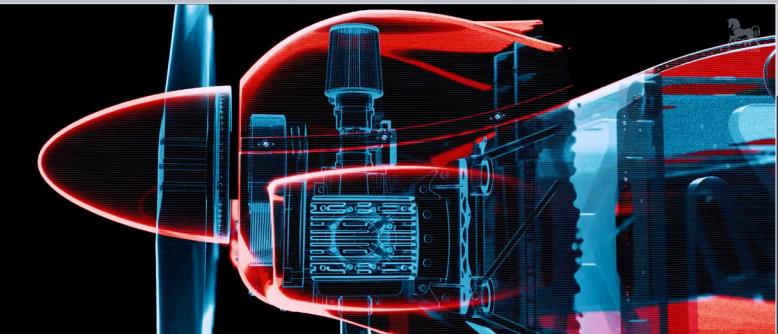
Scaling Long-Distance BVLOS with AlarisPro

We're proud to have recently welcomed **Windracers**, the creators of the world's most accomplished long-distance, heavy-lift drone—the ULTRA—to the AlarisPro platform. Operating in some of the most demanding environments across the globe, Windracers' fleet supports critical missions from Antarctic wildlife surveys to medical supply drops in Africa and resupply operations in Ukraine.

By integrating AlarisPro's fleet intelligence, maintenance tracking, and compliance tools with their mission control system, Windracers is enhancing safety, operational insight, and readiness at scale. As they continue expanding global BVLOS delivery services across civilian and defense sectors, we're honored to be part of their journey.

"We believe AlarisPro's capabilities will reliably keep our Windracers ULTRA fleet in the air and delivering for our customers by better management of our fleet data."

— Rob Datson, Chief Flight Operations Officer, Windracers



RECAP: A Busy Spring on the Road

XPONENTIAL 2025 – Houston, TX

Thank you to everyone who stopped by our booth! We showcased live demos of BVLOS compliance tools like our new Safety Management System (SMS), unveiled our new Digital Twin technology, and connected with partners shaping next-gen UAS infrastructure. The highlight? Hearing so many wonderful video testimonials from our customers! We would like to thank everyone who participated in the filming!

 [Their words say it best - click HERE to watch highlights from what our customers had to say!](#)



Energy Drone & Robotics Summit – Houston, TX

In the heart of America's energy capital, we met with operators and innovators deploying various UAS across refineries, grids, and pipelines. The feedback was clear: AlarisPro is the compliance backbone utilities have been waiting for. We're honored to support the missions that keep our country running!

Industry Outlook: What's Ahead in 2025

As the regulatory and operational landscape evolves, 2025 is shaping up to be a turning point for commercial UAS operations and we're not just reacting—we're building. AlarisPro is actively aligning its platform roadmap to FAA milestones and EO mandates, with new features already live and more in development to help you stay ahead in BVLOS execution, compliance, and mission reliability.

BVLOS Rulemaking: The FAA's Notice of Proposed Rulemaking (NPRM) is expected any day now, with a final rule by February 2026, marking a seismic shift in how long-range UAS operations are approved and executed.

EO-Driven Modernization: The Executive Order is accelerating demand for U.S.-manufactured, NDAA-compliant platforms, with new standards likely to influence procurement and operational approval processes.

Fleet Readiness Requirements: Government and energy operators are moving fast toward real-time compliance tracking, predictive maintenance, and automated risk assessment.

Analytics as a Differentiator: Deep data, transparency, and built-in safety systems will separate scalable UAS programs from basic operations.



Setting the Standard in BVLOS Fleet Compliance

As the FAA advances its BVLOS rulemaking and the White House's Executive Order drives U.S. drone modernization, not all platforms are equipped to lead in this new era. At AlarisPro, we're proud to be purpose-built for what's next and to have already set the standard as the flagship U.S.-built, EO-compliant platform for large-scale BVLOS fleet operations. Our competitors have niche capabilities but none match the full synthesis of compliance, fleet scale, analytics, integrated planning, and EO positioning of AlarisPro.

What sets AlarisPro apart from the competition?

Regulatory Aligned Technology: Built in the U.S. and aligned with NDAA and Executive Order requirements.

Fleet-Wide BVLOS Enablement: Real-time monitoring, FAA-aligned safety management, and predictive risk scoring, at scale.

Proprietary Digital Twin Technology: A virtualized layer of aircraft intelligence that helps operators anticipate and prevent issues before having to ground operations.

Trusted by Industry Leaders: From federal agencies to major utilities, OEMs and international operators, AlarisPro powers BVLOS operations where performance and compliance are mission-critical.

Bottom line: AlarisPro leads where it counts - on compliance, scale and EO-readiness. As BVLOS becomes the new norm, our platform ensures you're already there.

If you're interested in learning more in depth about how AlarisPro stacks up against specific competitors, or if you'd like to see AlarisPro in action, [CONTACT US](#) or [REQUEST A LIVE DEMO](#) tailored to your fleet and industry. We'd love to talk to you!

FLY SAFE!

© 2025 AlarisPro

Not subscribed yet? [Sign up for future Fleet Watch editions](#).

