



ABOUT US

Vantis is the state of North Dakota's system for enabling advanced UAS operations. Vantis represents aviation-grade infrastructure and services to support beyond visual line-of-sight (BVLOS) flights, significantly expanding operational range for commercial UAS programs. Vantis comprises physical and virtual infrastructure and services as well as a regulatory framework to provide turnkey support to UAS operators.

Vantis is the first system of its scale in the United States, facilitating commercial drone use across various industries like agriculture, energy, public safety and transportation.

Vantis is administered by the Northern Plains UAS Test Site (NPUASTS), an FAA-designated UAS Test Site. Thales, a global leader in aerospace, defense, digital identity, and security, is the systems integration partner for Vantis.

KEY MILESTONES

FAA Radar Data Pathfinder Program

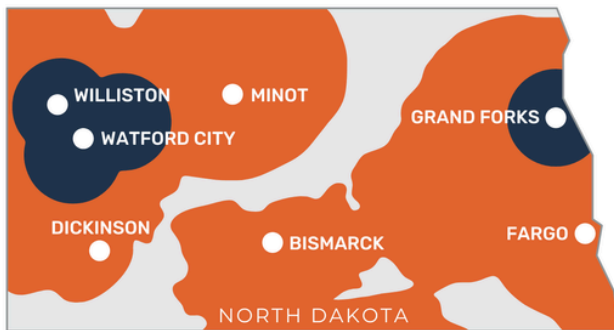
NPUASTS, in partnership with the FAA, is evaluating the utility and suitability of traditional aviation surveillance systems to enhance and expand air traffic and UAS traffic management services through Vantis to 56,000 Sq Miles. (pictured left)

FAA NTAP Approval

Vantis is the first system to receive approval through the FAA's Near-Term Approval Process (NTAP), acknowledging that Vantis provides critical risk mitigation capabilities and that Vantis provides a model that can replicated elsewhere to streamline waiver and exemption approvals for the drone industry.

Grand Forks Service Coverage

Vantis has expanded its service capabilities with the development of a new radar site southwest of Grand Forks. This strategic addition enhances surveillance across Grand Forks County, GFK Airport, and the city of Grand Forks, providing critical support for UAS operations and strengthening emergency response efforts.



● Projected Federal Radar Data Coverage ● Existing Vantis Coverage

OPERATIONAL AREA

Vantis currently operates across nearly 5,000 sq miles in North Dakota, with key sites in Williston, Watford City, Keene, and its newest location in Grand Forks. The recent expansion into Eastern North Dakota marks a significant step in supporting the continued growth and reach of the Vantis system.



THE MNOC

The Mission and Network Operations Center (MNOC) is the command center for the entire system.

This is the heart of Vantis. From its Grand Forks location, Vantis has the technology to monitor and control the remote infrastructure, enabling the entire operation. The MNOC is integral to the

coordination of safe, repeatable BVLOS flights across North Dakota, and scalable to larger regions. To learn more about the MNOC and watch a tour scan the QR code above.



SUCCESSFUL USE CASES

ND Dept of Agriculture for palmer amaranth detection

Frontier Precision's <55 lb UAS-agnostic waiver for operations across all Vantis Volumes.

Mountrail-Williams Electric Cooperative for post-blizzard disaster recovery

State Agencies & NDAA compliant UAS onboarded



ONBOARDING PROCESS

Step 1: Kick-off & Pre-Onboarding

- Kickoff Meeting
- Regulatory Alignment
- Documentation Submission & Review
- Flight Agreement and NDA Executed

Step 2: System Integration

How to integrate your UAS with Vantis:

API-Based Integration

- Operator Registration
- Receive Telemetry API Interface Control Document
- Develop & Validate API Connection

API Integration via BOTLINK Horizon App

- Operator Registration
- Validate Telemetry Workflow via Horizon App

Hardware Integration

- Operator Registration
- Operational Transponder or ADS-B Device

Step 3: Training and Compliance

- Self-paced Vantis System Training
- Vantis SOP Review
- Verify NDAA Compliance and Airworthiness

Step 4: Operational Readiness

Before full operational deployment & approval, operators must complete and verify the following:

- Confirm Training is Complete
- Confirm Pilot Certifications
- Confirm Regulatory Approvals
- Confirm UAS Telemetry and Integration Method to Vantis

Post-Onboarding

Once onboarding is complete, operators gain full access to the Vantis System, enabling:

- BVLOS Operations
- Ongoing Support
- Technology Enhancements

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