

Changing what is possible with UAS. Safely, efficiently, seamlessly.

Trust and respect through experience



Consulting



We're here to help.





Pushing the boundaries of what is possible.





We have the equipment, facilities, and environment you need.

Our Mission is to collaborate with the FAA and industry partners to develop equipment, systems, rules, and procedures to

safely integrate unmanned aircraft into the National Airspace System

without negatively impacting existing general or commercial aviation.

North Dakota state support FAA partner since 2013

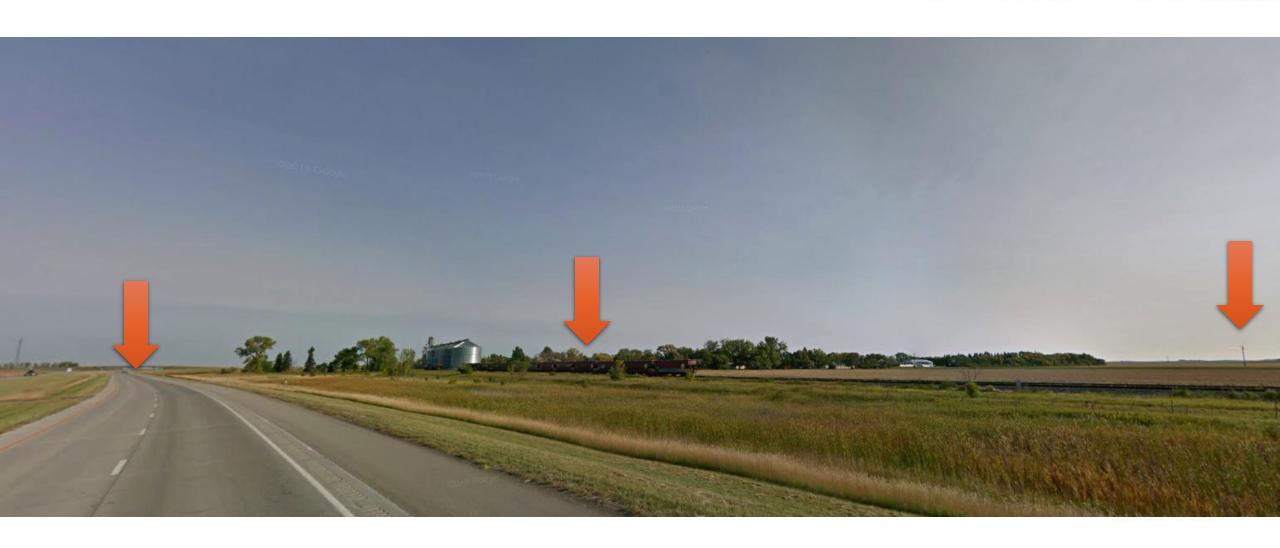




What is Vantis?



Shared Infrastructure





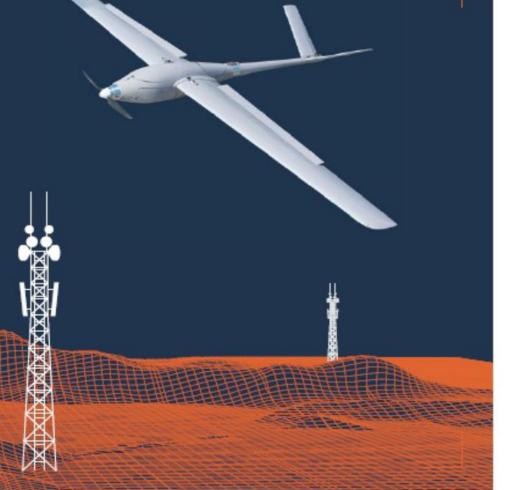




NORTH DAKOTA'S UAS SYSTEM

OPEN FOR UAS

Leverage the power of beyond-visual-line-of-sight (BVLOS) flight. Vantis creates economic opportunities and empowers communities.



THE VANTIS SYSTEM



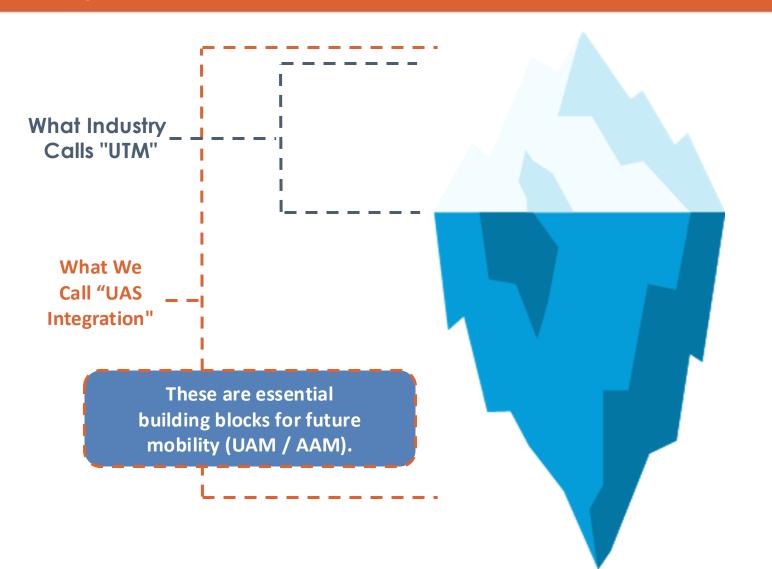
REMOTE INFRASTRUCTURE







Real-world UAS Integration is much more than just "UTM"



UAS Services

E-registration, Weather, Geographical, AIM, Authorization, Surveillance, Datalink, ...

UAS Digital Infrastructure

Authority application, Pilot application, Remote ID, ...

UAS Operator Infrastructure

Aircraft, Ground control station, UAS Service Suppliers (USS), ...

UAS Advanced Services

SDSPs, Strategic deconfliction, Counter-UAS, Detect-and-avoid, ...

Safety-Critical Cloud Services

FIMS, Separation advisory service, Ground & air risk, Traffic & surveillance, Health & monitoring, ...

Physical & Remote Infrastructure

Surveillance, Communications, Ops center, Backhaul network ...

Cybersecurity

Encryption, Asset protection, Monitoring, Incident response, ...

Support Systems

Maintenance, System testing, Troubleshooting, Data storage, ...



Vantis Operations

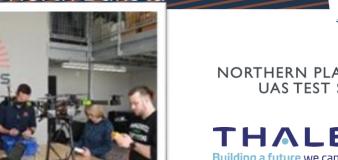


Installed and active in northwest corner of state



BISMARCK

North Dakota



MNOC located at **Grand Sky Business** Park

Installed on eastern side of the state



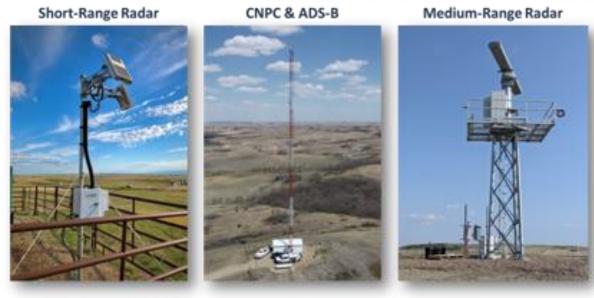
FARGO •





Combination of Infrastructure & Services to Align to the Safety Process







Remote Pilot Traffic HMI



Major Milestones Achieved....

 Petition for Exemption Approved

Lead Site for FAA Near
Term Approvals Processing (NTAP)



Aviation Safety

Washington DC 20591

In the matter of the petition of

UAVIONIX CORPORATION

For an exemption from §§ 61.3(a)(1)(j), 61.3(c)(1), 91.7(a), 91.9(b)(2), 91.119(c), 91.121, 91.151, 91.203(a) & (b), 91.403(a) & (b), 91.403(a) & (b), 91.405(a), 91.407(a)(1) & (2), 91.409(a)(1) & (2), 91.417(a) & (b) of Title 14, Code of Federal Regulations

Exemption No. 21097

Regulatory Docket No. FAA-2022-0921

GRANT OF EXEMPTION

By letter dated June 30, 2022, Danielle Miller, Director of Safety, Northern Plains UAS Test Site, uAvionix Corporation (uAvionix), 4201 James Ray Drive, Grand Forks, ND 58202, petitioned the Federal Aviation Administration (FAA) on behalf of uAvionix for an exemption from §§ 61.3(a)(1)(i), 61.3(c)(1), 91.7(a), 91.9(b)(2), 91.119(c), 91.121, 91.151, 91.203(a) and (b), 91.403(a) and (b), 91.407(a), 101.407(a) and (2), 91.417(a) and (b) of Title 14, Code of Federal Regulations (14 CFR). The proposed exemption would allow uAvionix beyond visual line of sight (BVLOS) operations for the purpose of research and development with the Rapace electric vertical takeoff and landing (eVTOL) unmanned aircraft system (UAS) which has a maximum takeoff weight of 26.5 lbs. in accordance with operating limitations stipulated as part of the Rapace's Special Airworthiness Certificate in the Experimental Category (SAC-EC). The petitioner also requests relief from: (1) the 14 CFR 61.3(a)(1) requirement to hold a pilot certificate issued under Part 61, and instead requests the pilot in command (PIC) hold a Remote Pilot Certificate and complete operator developed training specific to the UAS and the operating

AFS-23-00088-E





What does this mean for your State?

- Vantis can be expanded to your State
 - Operator Approval using Vantis Approved, 3rd Party Network Services
- Designed to "Jump-Start" your UAS/AAM Integration Programs...
 - Scalable to potentially nationwide
 - Repeatable to allow easy deployment
 - Approvable from the regulators' standpoint
 - Economical to reduce total overall cost of supporting infrastructure





Thank You

NPUASTS.COM

and

VantisUAS.COM

Video



