NORTH DAKOTA
UMANNED AIR SYSTEMS (UAS): THE NEXT GENERATION

North Dakota’s unmanned systems sector continues to lead the nation in supporting the agricultural and energy industries, commercializing intellectual property and operationalizing federal requirements. To continue this growth and momentum, North Dakota must continue to invest in growing its Beyond Visual Line of Sight (BVLOS) network, support robust operations at the Northern Plains UAS Test Site (NPUASTS) and expand infrastructure at the Grand Sky UAS Park to support highly diverse and well-paying jobs as well as the national security mission.

GRAND SKY: THE NATION’S FIRST PRIVATE UAS PARK

Grand Sky, the nation’s first UAS business and aviation park, is home for flight testing, UAS operations and research and development. Grand Sky offers build-to-suit locations and temporary facilities for commercial UAS development and testing, as well as defense-related operations support and has attracted more than $100 million in private investment. Grand Sky offers access to secure defense networks, dark fiber, a 12,351-foot runway, uncongested airspace with less than 10 operations daily and more than 330 days of flying weather annually. Testing operations are supported with electronics component distributors, metal fabrication, 3D printing and equipment support for the most demanding test requirements. Grand Sky partners like the Northern Plains UAS Test Site can support airspace needs. Grand Sky is home to one of the nation’s first commercial BVLOS system.

VANTIS

North Dakota is a thriving ecosystem of unmanned aircraft systems (UAS) for public and private use. Through the development of Vantis, a statewide network enabling UAS flights Beyond Visual Line of Sight (BVLOS), North Dakota is poised to become the nation’s epicenter of commercial UAS activity. Vantis is the first such program of its scale in the U.S. Testing and validation of Vantis is well underway with more than 125 UAS and 25 manned aircraft test flights completed on the network during the developmental testing stage. Operational testing will begin this fall. Commerce is recruiting new industries to assist with energy production and supporting small communities across the state. Autonomous development and the attraction of private equity throughout the agricultural sector continues at a rapid clip as well, including new start-up activity from Plug and Play.
INDUSTRY CLUSTERS
The North Dakota UAS entrepreneur cluster is larger than any other accelerator, incubator or entrepreneur center in the nation.

Almost all UAS companies operate in North Dakota, including:

- Northrop Grumman
- General Atomics
- Collins Aerospace
- L3 Harris Technologies
- Thales USA
- SkySkopes
- ISight RPV Services
- Botlink

SUCCESSES
- Participation in the FAA’s BEYOND program which continues the partnership that was started through the UAS Integration Pilot Program
- Northrup Grumman endurance testing
- Department of Homeland Security Northern Border Airspace Domain Awareness Test Bed
- Four contracts awarded to support the United States Air Force Agility Prime program

PREMIER TEST SITE ADVANTAGES
- Strong industry support
- Open terrain
- Robust energy and agriculture industry clusters
- Broad infrastructure, including Grand Sky Business Park and Northern Plains Test Site
- Research through UND Research Institute for Autonomous Systems
- History and culture of aviation safety
- Uncongested airspace
- Climate diversity
- Unique testing locations and scenarios

KEY NORTH DAKOTA GROWTH
$400 million in private sector investment.

Almost 50 UAS companies call North Dakota home.

Over 1,000 people employed by the industry.

Federal partners include DoD, CBP and FAA.

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