

Matching UAS Industry Needs With Community Assets



DronePort Seminar - AUVSI 2019





GRANDSKY

- 217 acre commercial UAS airport
- Large UAS research, development, testing, training, and operations
- Day and night UAS operations
- Manned and unmanned flight operations
- FAA Approved Beyond Visual Line Of Site

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KEY METRICS

\$18M

State Investment

\$55M

Private Investment

342

Jobs

\$19.3M

Annual Wages

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ECONOMIC IMPACT

CONSTRUCTION IMPACT

Direct Impact

Construction of infrastructure and new buildings

363

Person-Years of Employment

\$23.3M

Wages

Indirect Impact

Acquiring goods and services for the project

54

Person-Years of Employment

\$3.1M

Wages

Induced Impact

Employees spending at the household level

134

Jobs

\$5.4M

Wages

ANNUAL OPERATING IMPACT

Operational impacts are recurring, and impact the economy every year that the business is operating.

Direct Impact

163

Jobs

\$11.1M

Wages

Indirect Impact

99

Jobs

\$4.9M

Wages

Induced Impact

80


Jobs

\$3.3M

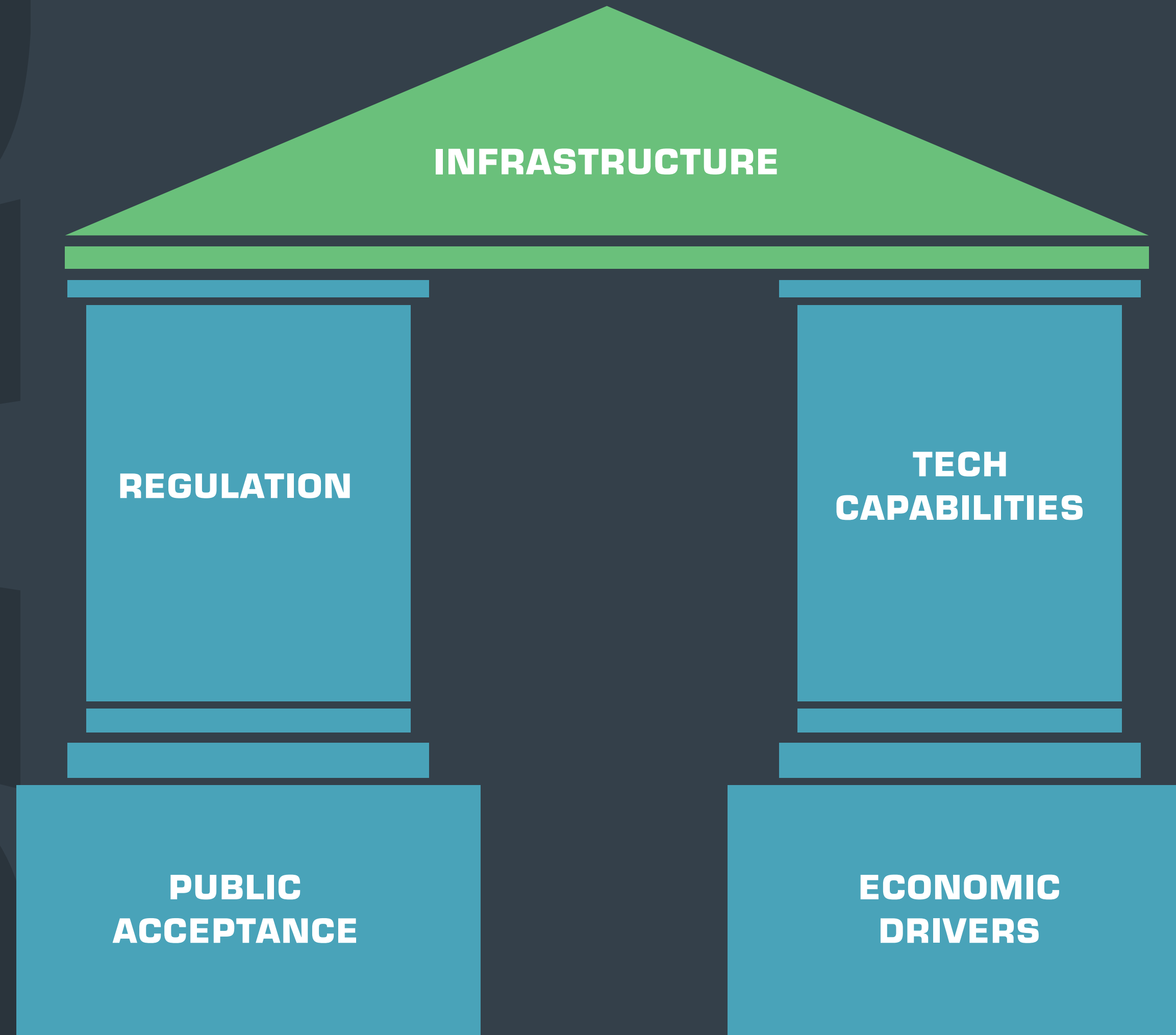
Wages

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AMENITIES

- 
- Low operating costs
 - Hangars
 - Conference Room and Offices
 - Civil infrastructure - onsite utilities
 - 24/7 operations capable
 - Off-site ground support for test equipment (internet and electricity / networked to test controllers)
 - Off-site targets
 - Acoustic testing equipment
 - Off-site support for target placement
 - Third party actors for training
 - BVLOS system access
 - Airspace characterization (going back to May, 2018)
 - Recording capability for flight ops, telemetry, intruder, flight profiles
 - Snow removal
 - Metal fabrication
 - Composite support (advance notice needed)
 - Equipment rental (short and long term)
 - Hotel and Restaurant amenities close by
 - Law enforcement on site during business hours
 - Electronic security 24 hours per day
 - Electronic components from DigiKey less than 2 hours away
 - Schedule certainty
 - GFAFB RAPCON support for flight ops
 - 12,351 x 150 foot runway
 - No chase flights in Class D airspace
 - No chase flights outside Class D airspace with BVLOS contract
 - Flight support for national and international flights over 18,000 AGL
 - Ground range support
 - Joint Use Agreement with Air Force
 - Access to GFAFB amenities
 - Fiber optic network access with 100GB capacity
 - Full-time Tower support
 - Emergency Services provided by GFAFB including paramedics, hazmat, fire protection
 - Short-term contracts available
 - Partnership with Northern Plains UAS Test Site
 - Fully insured ground support
 - Strong local community and state of North Dakota support
 - Strong support from Congressional Delegation

5 FACTORS WILL INFLUENCE UAS INDUSTRY GROWTH



OUT AND BACK FLIGHTS



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LARGE UAS NETWORK



There is great need for a UAS air park network to support research, development and operations.

WHAT ARE YOUR GOALS?

- Job Creation & Economic Development
- Return On Investment
- Community Infrastructure

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WHAT ARE YOUR GOALS?

- Job Creation & Economic Development
- Return On Investment
- Community Infrastructure

WHAT ARE YOU TRYING TO DO?

- Urban air mobility
- Large UAS operations
- Part 107 training and experience building
- Equipment test
- Operations center
- Drone Airport



INFRASTRUCTURE NEEDED

Destinations for:

- Taking Off and Landing
- Charging or Refueling
- Repair and Maintenance
- People to Engage
- Flight Operations Systems



A close-up, low-angle shot of a military aircraft's nose and cockpit area. The aircraft is dark grey or black, with yellow and black striped markings on the wings and tail. The nose is prominent, and the cockpit canopy is visible. The aircraft is parked on a light-colored tarmac. The text is overlaid in the center of the image.

**GOALS AND MISSION DRIVE THE
INFRASTRUCTURE, INVESTMENT,
AND THE TYPES OF ECONOMIC
RETURNS AVAILABLE**



GRANDSKY

AMERICA'S COMMERCIAL UAS PROVING GROUNDS

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