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1.23.2025

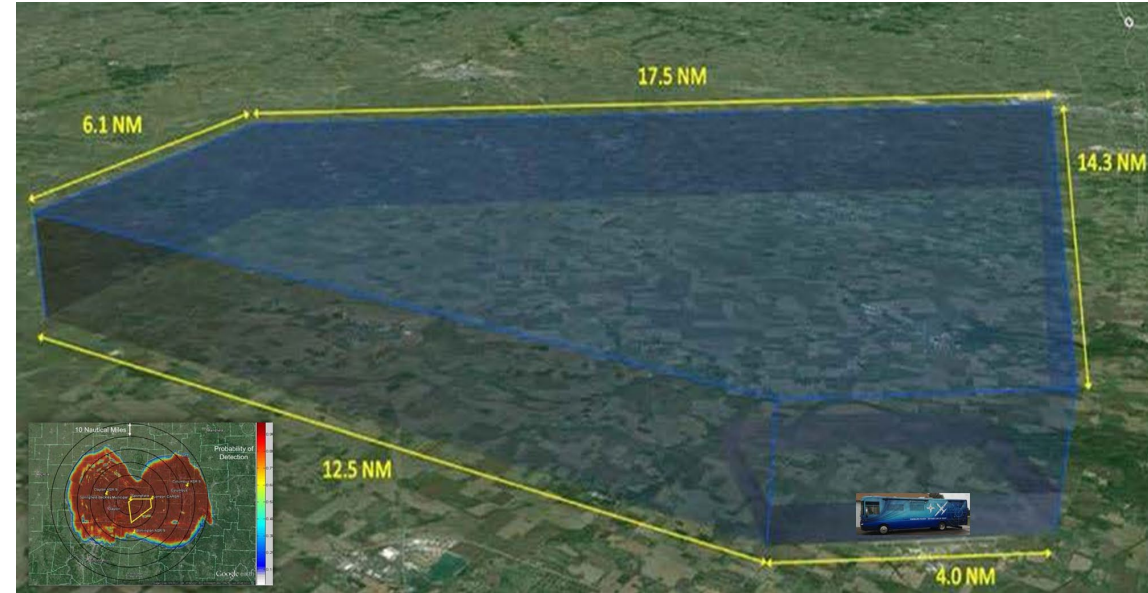
OFRN OPPORTUNITY DAY
TED ANGEL

National Advance Air Mobility Center of Excellence

NAAMCE

Setting The Table for Advanced Air Mobility

- OASIS – Airspace Study Completed 2014
- Establish UAS test ranges closer to WPAFB/AFRL to expedite technology development and reduce costs
- Ground Based Detect And Avoid system funded through AFRL & ODOT Partnership
- FAA approved CoA allowing unmanned flight within a 225 square mile area up to 18,000 feet.
- No size restrictions. No Chase Planes.



SKYVISION LAUNCHED IN SPRINGFIELD TO TEST UAS

The U.S. Air Force, private companies and academic institutions have all conducted flights beyond the horizon in the skies above Springfield, leveraging one of Ohio's newest aviation assets for innovative testing and research in unmanned systems.

In April, the Federal Aviation Administration (FAA) confirmed a new technology developed



National Advanced Air Mobility Center of Excellence (NAAMCE)

Project Summary

- \$9.4M Project
- 30,000 s.f. Office
- 25,000 s.f. Hangar
- Funding - \$6M DoD; \$2.9M JobsOhio; \$450k City
- Collaboration space in support of AFRL, Agility Prime, AFWERX, Ohio UAS Center, FlyOhio, academia and private industry
- Groundbreaking: August 23, 2022
- Tenant Occupancy: Dec 1, 2023



NAAMCE Tenants and Partners

Tenants

- Modern Technology Solutions (MTSI)
- Unmanned Experts
- TORAY Composites
- FEAM Aero
- Parallax Advanced Research
- JOBY
- Sinclair CC
- AFRL/AFWERX
- Flight Profiler
- Veth Research
- CAL Analytics
- Ohio UAS Cntr./ODOT
- Select Tech
- D'Angelo Technologies (D5T)
- Lectratek

AAM R&D Partnerships

- AURA Network Systems
- BETA Technologies
- Blue Halo
- CAL Analytics
- MZA Associates
- NASIC/NSIC
- SkyVision
- AFRL UAS Range



NAAMCE FLOOR PLAN

SkyVision

SkyVision offers **airspace monitoring services** for aircraft and payload testing at Springfield-Beckley Municipal Airport.

The ground-based detect-and-avoid system uses 3 FAA active radar systems to track aircraft flying in the national airspace system, allowing for flight **beyond line of sight**.



Ground Based Detect and Avoid (GBDAA) Springfield Airport (KSGH)



Joby Aviation & BETA Technologies

- eVTOL Recharge Station & Flight Sims
- eVTOL Recharging Stations
 - Level 3 DC Fast Charging
 - 480V, 3-Phase, 60 Hz
 - Combined Charging System (CCS)
 - BETAALIA 250 Charge Time 50 Minutes
- Vertipad Prototype
 - 50'x50' Elevated Landing Pad
 - eVTOL Flight Simulators
 - Conf. Room & Private Office
 - Kitchenette & Restroom



Pyka Delivers First of Three Large-scale Autonomous Electric Cargo Aircraft to AFWERX

NEWS PROVIDED BY
Pyka →
 Feb 13, 2024, 08:00 ET

SHARE THIS ARTICLE

Pyka Pelican Cargo aircraft to undergo operational assessment for defense logistics uses

NEW BRAUNFELS, Texas, Feb. 13, 2024 /PRNewswire/ -- Flight operations personnel from Pyka and AFWERX gathered on the tarmac at New Braunfels National Airport to witness the arrival of Pyka's Pelican Cargo, a large-scale autonomous electric cargo aircraft with a 400 pound payload capacity and 200 mile range, built for remote off-airport operations.

This is the first delivery in a fleet of three Pyka Pelican Cargo on lease to AFWERX, the innovation arm of the Department of Air Force (DAF) and a directorate within the Air Force Research Laboratory, for the United States Air Force's Agility Prime program. The program will explore operational use cases for Pyka's technology to address the most pressing challenges in the DAF.



PIVOTAL

Pivotal Delivers Four BlackFly light eVTOLs for U.S. Air Force evaluation; Contracted for Eight Aircraft

AFWERX's Agility Prime Partnership Includes Pivotal Flight Simulators, Training, and Support

February 21, 2024 06:25 ET | Source: [Pivotal](#) [Follow](#)

PALO ALTO, Calif., Feb. 21, 2024 (GLOBE NEWSWIRE) -- [Pivotal](#), a market leader in light electric vertical takeoff and landing (eVTOL) aircraft, today announced it has delivered four of eight BlackFlies and two flight simulators for lease to MTSI for evaluation by AFWERX and the United States Air Force. The Air Force is evaluating Pivotal aircraft performance by assessing a host of benefits across diverse applications for the company's proven tilt-eVTOL architecture, and testing a range of remotely piloted missions. Selected by AFWERX and Modern Technology Solutions, Inc. (MTSI) to participate in the Agility Prime initiative, Pivotal is providing the Air Force with pilot training and support services in addition to the aircraft and flight simulators. The program will operate out of New Braunfels National Airport, Texas, and from the National Advanced Air Mobility Center of Excellence at Springfield-Beckley Municipal Airport, Ohio.



Modern Technology Solutions, Inc. (MTSI)
 17,540 followers
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MTSI took delivery of two Pivotal Blackflights at the National Advanced Air Mobility Center of Excellence (NAAMCE) Springfield, OH. These unique aircraft will be operationally tested on behalf of AFWERX for USAF mission effectiveness and suitability over the next seven months.

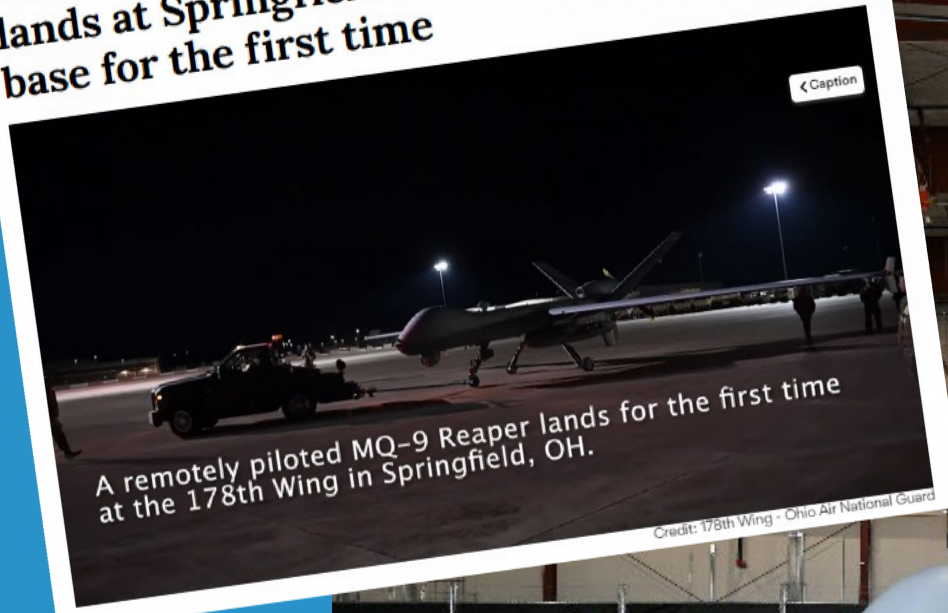
Check out full article here! <https://loom.ly/Hb3fN1Q>

[#employeeowned](#) [#esop](#) [#pivotal](#) [#NAAMCE](#) [#blackfly](#)



Pivotal Delivers Four BlackFly light eVTOLs for U.S. Air Force evaluation; Contracted for Eight Aircraft

**Remotely piloted MQ-9 'Reaper' drone
lands at Springfield Air National Guard
base for the first time**

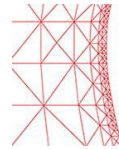
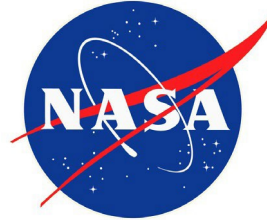


A remotely piloted MQ-9 Reaper lands for the first time at the 178th Wing in Springfield, OH.

Credit: 178th Wing - Ohio Air National Guard



NAAMCE
NATIONAL ADVANCED AIR MOBILITY CENTER OF EXCELLENCE



THE OHIO STATE UNIVERSITY



K I T T Y H A W K



