

Economic Impact Report for AAM Technologies for Ohio

What does this mean for Ohio?



Global AAM \$1.9 Trillion by 2045

“Goldman Sachs, Morgan Stanley and NEXA Advisors/UAM Geomatics forecast for global market opportunity”

AAM Market for Ohio by 2045

 **\$13B**

Market value by 2045 for Ohio. Preliminary data from the Ohio DOT research study to be released in May.

Ohio AAM Cargo Industry by 2045

 **2.1B**

Market value by 2045 for Ohio. Preliminary data from the Ohio DOT research study to be released in May.

Average AAM Ticket Price for Ohio in 2045

 **\$45**

Average ticket price by 2045 for Ohio. Preliminary data from the Ohio DOT research study to be released in May.

Ohio Passenger Trips in 2045

 **7.9M**

Projected number of passenger trips in Ohio by 2045. Preliminary data from the Ohio DOT research study to be released in May.

Dedicated Vertiports in Ohio

 **78**

Projected number of vertiports in urban areas in Ohio by 2045. Preliminary data from the Ohio DOT research study to be released in May.

Ohio Job Creation

 **15k**

Projected number of jobs in the AAM industry for Ohio by 2045. Preliminary data from the Ohio DOT research study to be released in May.



What is Advanced Air Mobility?



Search and Rescue



Package Delivery



Passenger Travel



AAM Ecosystem

Aircraft

- Sensors, propulsion, communication, power, control, structural, cameras, custom hardware



Users

- Military, Emergency Response, Delivery, Air Taxi, Airports



Communication & Aerospace Awareness

- Radar, Towers, Sensors, AI



Vertiport/Charging



Community

- Co-existing, Safety



Command and Control

- Air Traffic Management, data



Northern Ohio Advanced Air Mobility Strategy, Engagement and Deployment

Who are we: A community of stakeholders including manufacturers, resources organizations, institutions, public sector entities and others who are collaborating and aligning to support the next generation of advanced air mobility, transportation, and workforce development.

Our Mission: To accelerate and support the growth of Advanced Air Mobility in Northeast Ohio.

A sampling of partners and collaborators include:



Engaging the Ecosystem

Manufacturers

Collins Aerospace
DEM Manufacturing
Drieson International Inc
Eternium
Event 38 Unmanned Systems
Federal Gear
Laszeray Technologies
Orbital Research Inc
SIC Drones
Theiss UAV
The Technology House

Industry Advocates

Fly Ohio
Heil Consulting
Jobs Ohio
Michael Best Consulting
NORCODA
Portage County
Regionerate LLC
Summit County
The Council of the Great Lakes Region

Users and Integrators

ATA LLC
AURA Network System
AVT Drones
Crown Castle
DroneUp
Iridium
Iris Automation
OneSky Systems
Pierce Aerospace
SARA
Zipline

Resource Organizations

Aerozone Alliance
Brite Energy Innovators
Manufacturing Works
Ohio Aerospace Institute
Ohio Federal Research Network
Team NEO
Youngstown Business Incubator

Airports

Akron Canton
Akron Fulton
Cleveland Hopkins
Kent State University
Northeast Ohio Regional
Portage County
Wadsworth Municipal
Wayne County
Youngstown-Warren Regional

Institutions

Baldwin Wallace University
Case Western Reserve
Cleveland State University
Cuyahoga Valley Career Center
Cuyahoga Community College
Kent State University
Lorain Community College

Four Areas of Focus

In alignment with JobsOhio's Fly Ohio Strategy

Regional Ecosystem

- Engage Team NEO/JO/ODOT/OFRN for Regional roadmap
- Direct funding opportunities from County, State, Federal, etc. to drive AAM advancement
- Maximize impact of regional assets (Universities, incubators, non-profs)

Infrastructure and Use Cases

- Collaborate with Regional Airport Network and Assets to spearhead infrastructure investment and use
- Support medical and logistic delivery use cases

Talent

- Owner level support – hiring, growing, investing
- Skills development – apprenticeship, supervisors, pilot training, maintenance
- Mentorship networks

Supply Chain

- Connecting needs to solutions.
- Connecting businesses to OEM, Military, NASA, etc. Resources
- Connect Technology to marketplace



Northern Ohio Advanced Air Mobility Engagement and Outreach May 2023

Monday May 1st – Equipment Demonstration_ Kent State University Airport, Ohio

Drone and Radar Demonstrations **40+ participants**

Tuesday May 2nd – Supply Chain Opportunities for EV Aviation_ Kent State University, Ohio

Engage and Inform Northern Ohio Ecosystem: manufacturers, integrators, and users.

Discuss AAM Strategy and technology milestones **100+ participants**

Wednesday May 3rd – Ohio Aviation Association Annual Conference_ Columbus, Ohio

Engage Ohio airports. Awareness of opportunities and infrastructure needs. **35+ participants**

Monday May 8th – AUVSI Exponential Conference_ Denver, Colorado

Establish presence in industry and engage out of state partners **>500 participants**

Join our ecosystem!