



# Drive<sup>OH</sup>io

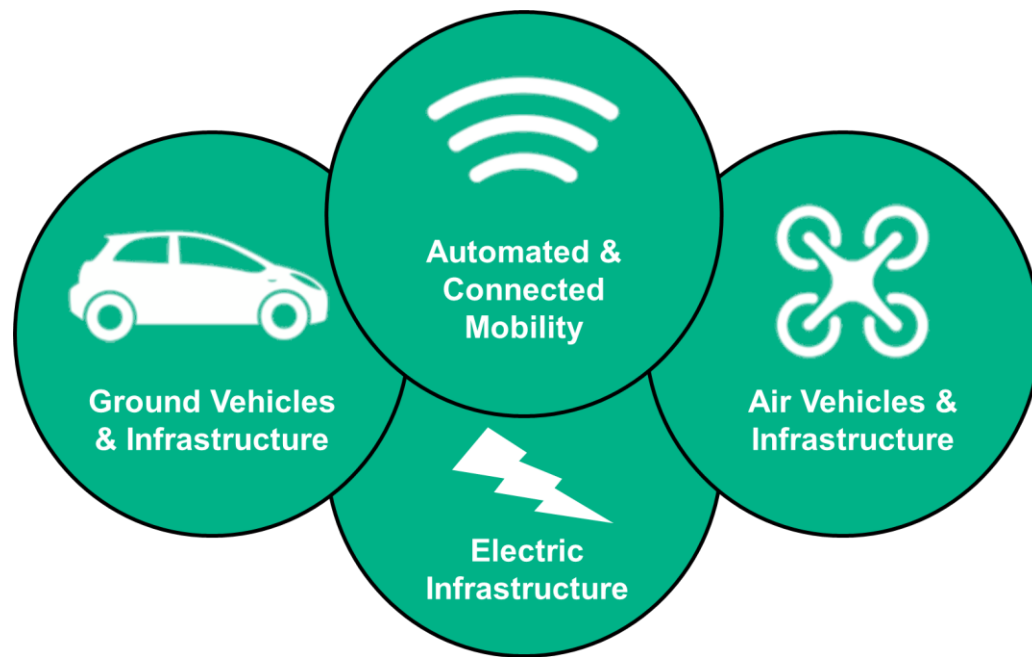
The Future of Smart Mobility

## Smart Mobility Across Ohio

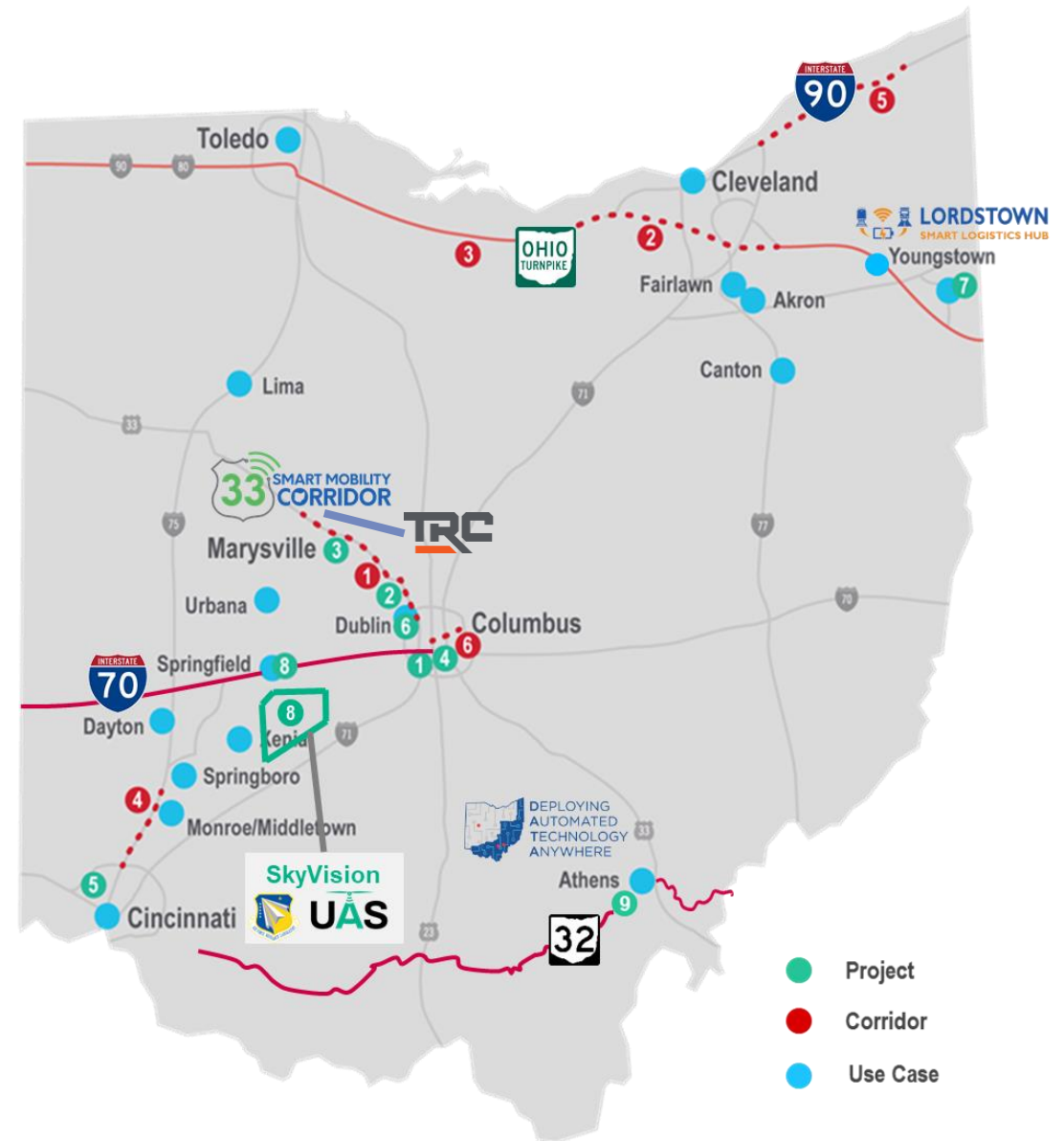




# DriveOhio



# flyOhio



# Ohio's Smart Mobility Talent Ecosystem



**DESIGN**

**BUILD**

**OPERATE**

**MAINTAIN**

STEM

R&D

Engineering

Vehicle Manufacturing

Vehicle Operations

Vehicle Maintenance & Repair

Testing

Deployment

Infrastructure Construction

Infrastructure Operations

System Maintenance & Upgrades

Planning

Law & Policy

Data & Cybersecurity

Marketing & Communications

Training & Education

Career  
Tech

Higher  
Ed

On the ground



Commercial  
Drivers

Automotive  
Technicians

Automotive  
Manufacturing

Construction  
Technicians

Business, Law,  
Education & Policy  
Professionals

Engineers &  
Technicians

Cybersecurity &  
Data Analysts

Infrastructure &  
Utility Technicians

City & Regional  
Planners

Aviation &  
Drone Pilots

Air Traffic Controllers

Aircraft Maintenance,  
Repair & Overhaul  
Technicians

Aerospace  
Manufacturing

In the air



DriveOhio

JobsOhio

flyOhio

DRAFT | Version 1.0



A promotional image for Starship delivery featuring two young women, likely students, standing outdoors on a college campus. The woman on the left is wearing a dark blue hoodie with 'ORIGON STATE' printed on it and is holding a white coffee cup. The woman on the right is wearing an orange hoodie with 'ORIGON STATE' printed on it and is holding a brown paper bag. Both are wearing black face masks. In the background, there are trees with vibrant autumn foliage in shades of red, orange, and yellow, and a brick building. A large white text overlay is centered over the image. The bottom left corner features the Starship logo, and the bottom of the image has a URL.

# 1,000,000 DELIVERIES

**STARSHIP**

<https://youtu.be/tQZWe1JFR9g>



BOWLING GREEN STATE UNIVERSITY

**BGSU**®

**Meet Jessica.**

**She's a Robot Operator  
with Starship at Bowling  
Green State University.**

**#SheCanSTEM**



**STARSHIP**

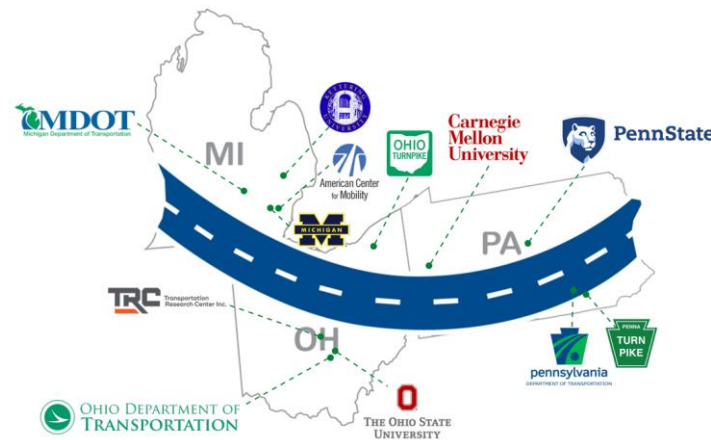






# Ohio Partners with Michigan, Pennsylvania to Launch Test of Autonomous Trucks

*Locomotion makes delivery run from Pittsburgh through Ohio to Detroit*



LOCOMOTION

DriveOhio

More details at: [drive.ohio.gov](https://drive.ohio.gov)





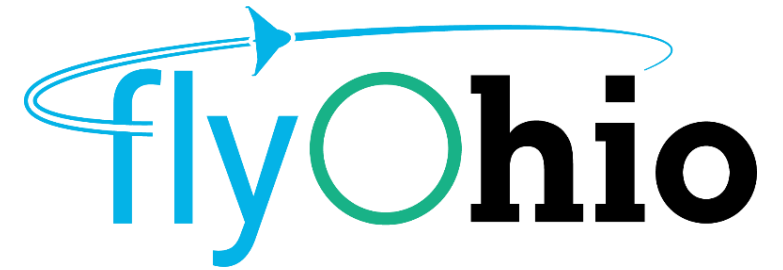




*“FlyOhio is really a statewide initiative. They do everything, move heaven and earth to get drones in the commercial space. You have aerospace in your blood.”*

– Beth Flippo,  
TELEGRID

Source: [Springfield News-Sun](#)





# DriveOhio Alliance



DriveOhio serves as single point-of-contact for AV companies looking to test in Ohio.

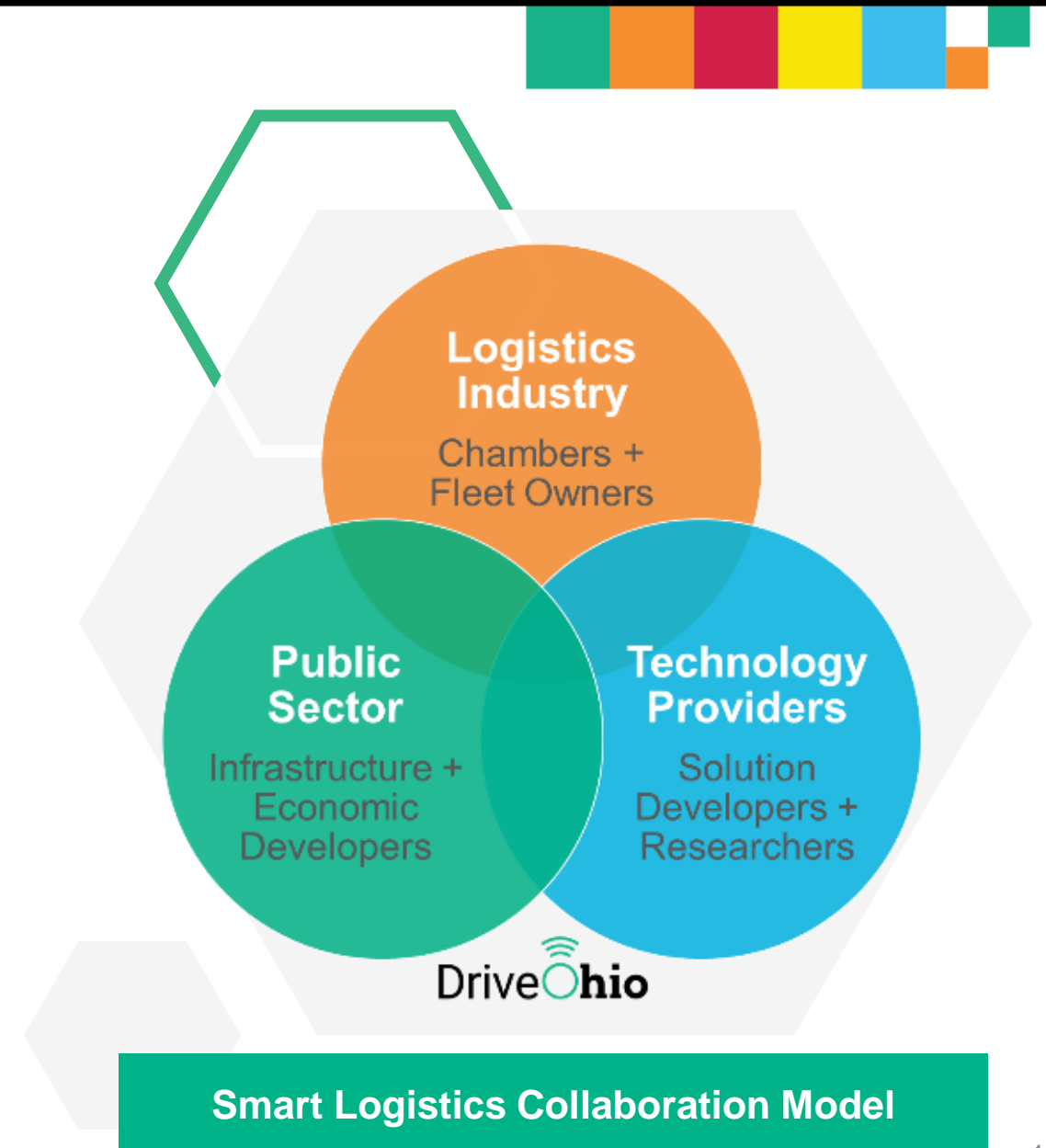
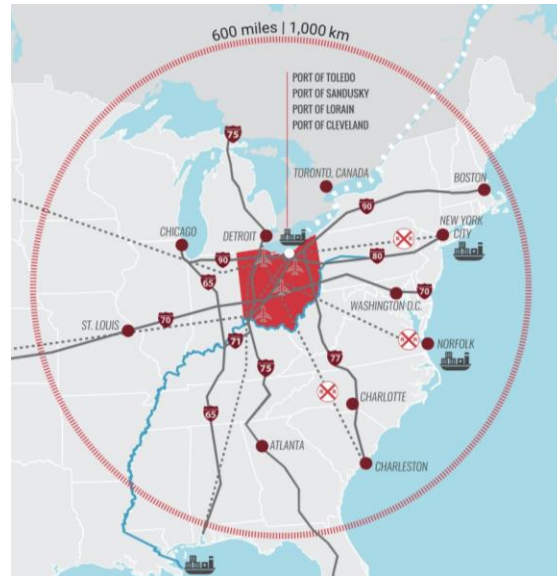
# Smart Logistics in Ohio



*Deploying automation across Ohio – on the ground and in the air – to accelerate the safe and easy movement of goods.*

Ohio's transportation infrastructure supports all 5.5 million jobs in the state.

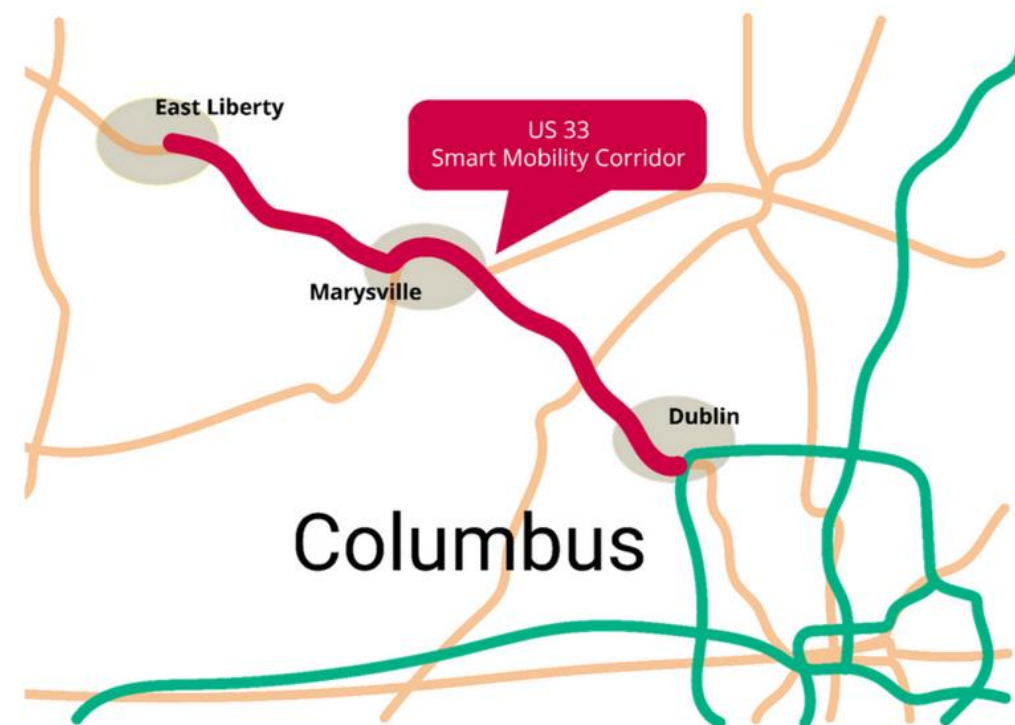
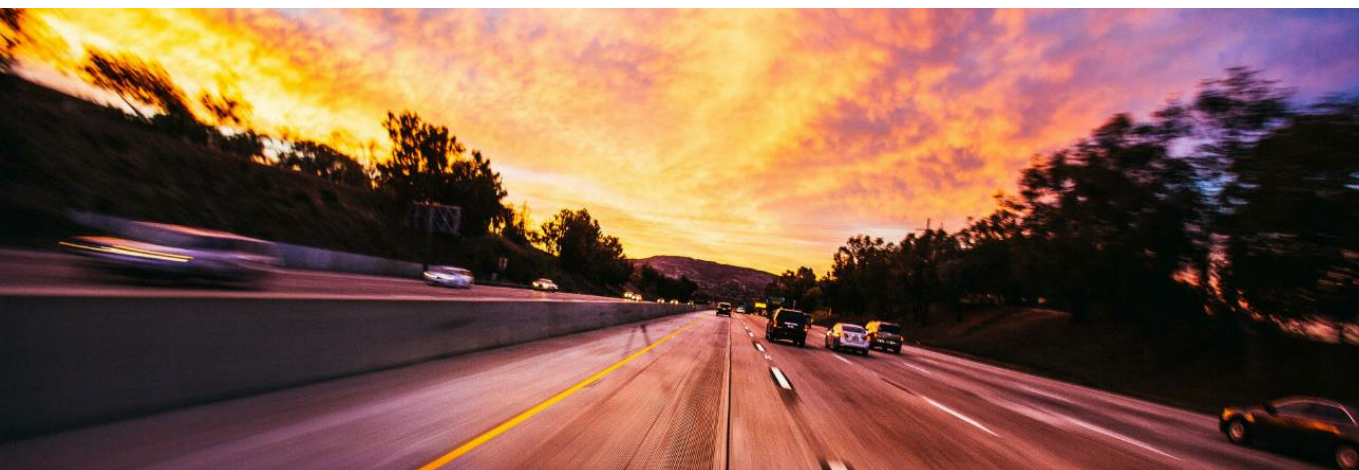
Source: <http://www.bls.gov/eag/eag.OH.htm>





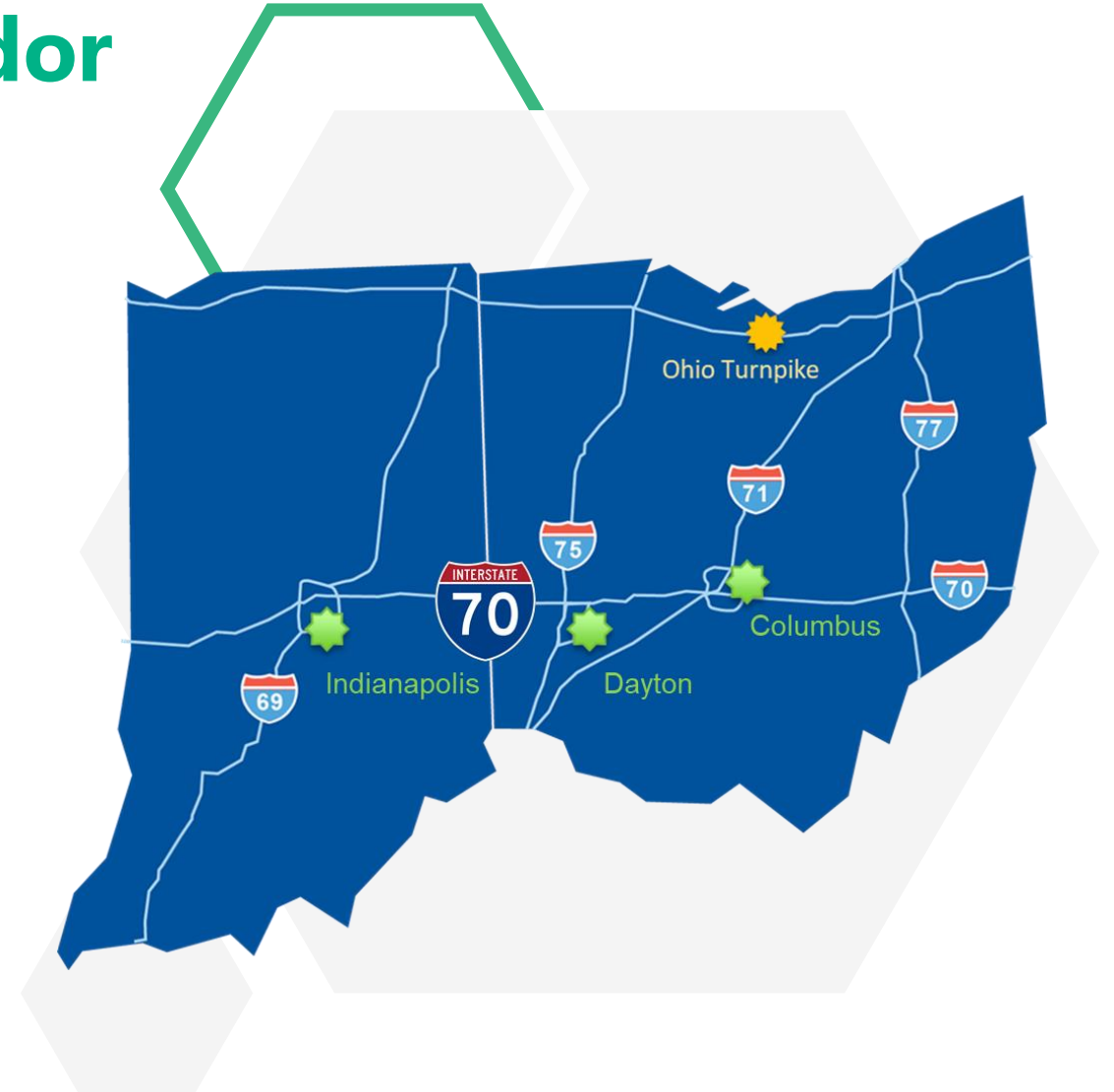


# 33 Smart Mobility Corridor



The 33 Smart Mobility Corridor in The Beta District is one of the largest integrated smart mobility test corridors – on the ground and in the air.

# I-70 Truck Automation Corridor





# Automated Driving Systems (ADS)

- DriveOhio's ADS project will demonstrate how **connected and automated semi trucks and vans** could improve safety for drivers, passengers and other travelers in **rural Southeast Ohio**.



DriveOhio

TRC



University of CINCINNATI



OHIO UNIVERSITY



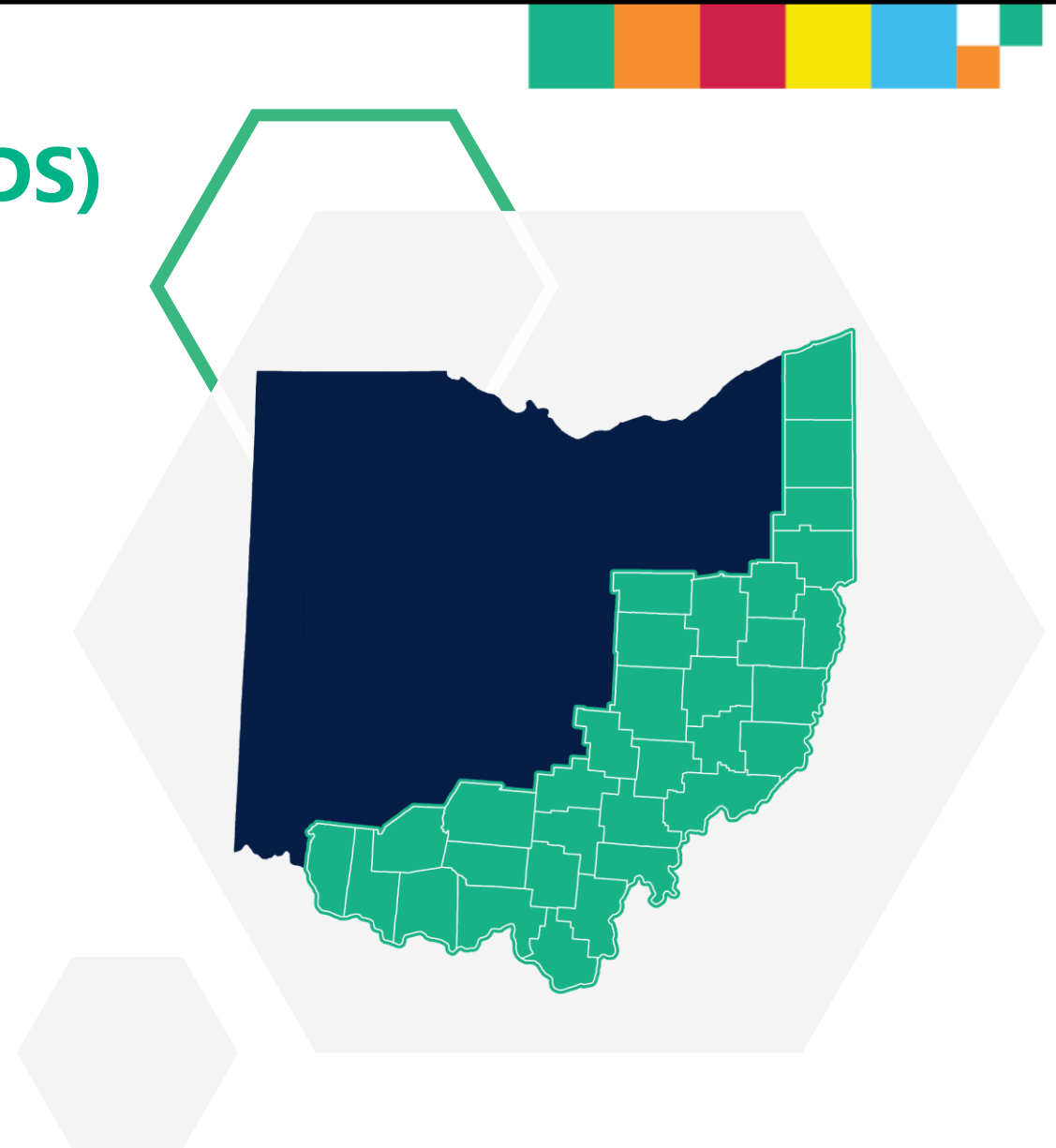
BOSCH

CDM Smith

JobsOhio



Ohio Southeast  
ECONOMIC DEVELOPMENT



# Ohio ADS | Truck Automation



Level 2 automation can control both steering and accelerating/decelerating, but driver can take control at any time

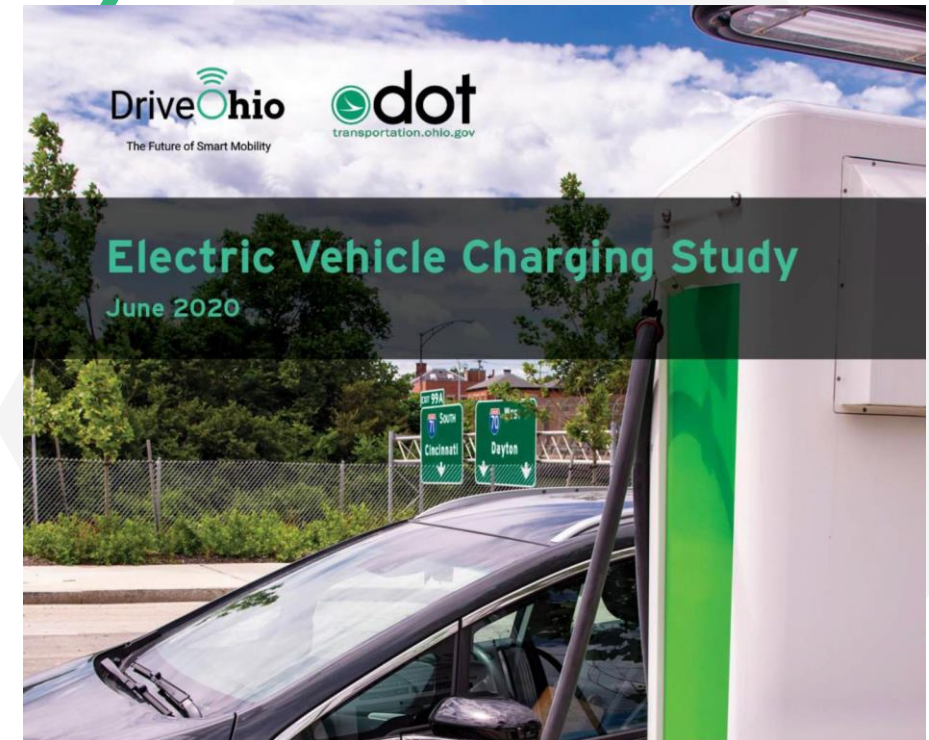
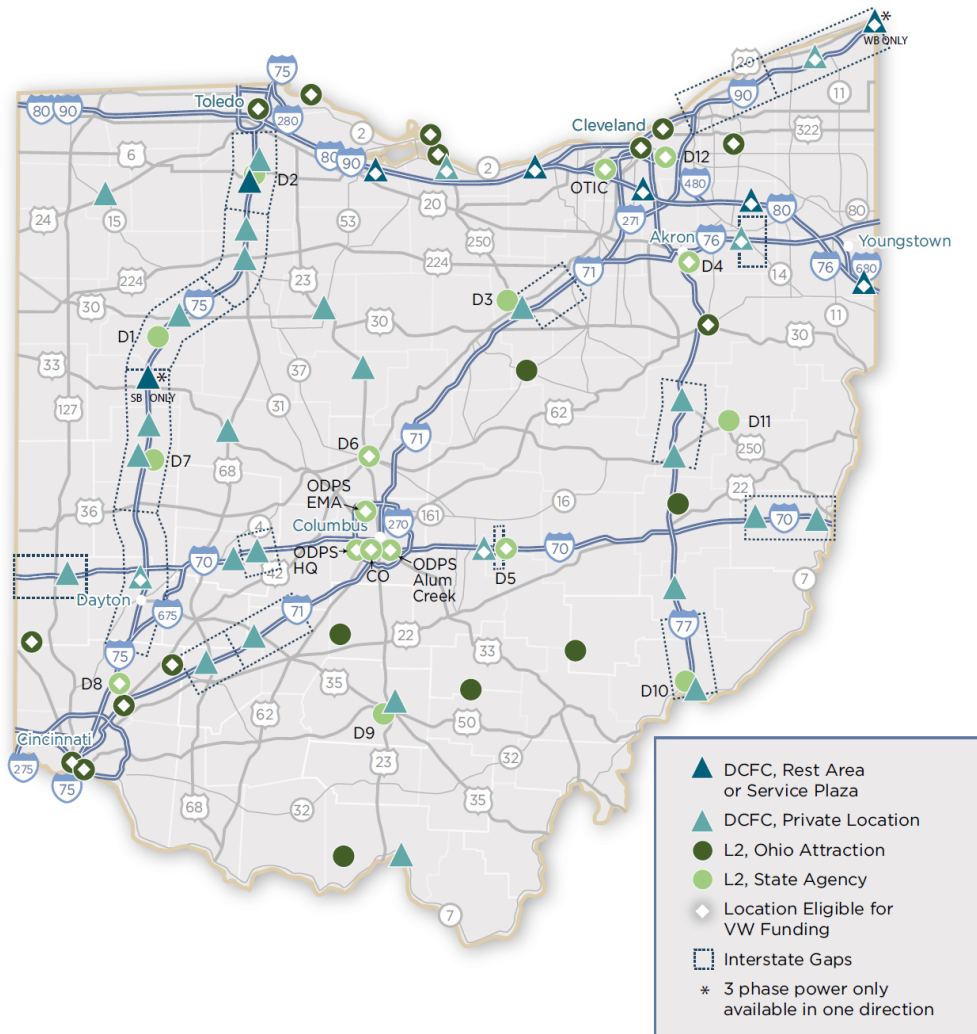


# Ohio ADS | Van Automation



Level 3 automation allows vans to make decisions for themselves, such as passing a slow-moving vehicle, but it still allows transfer of control to a human operator

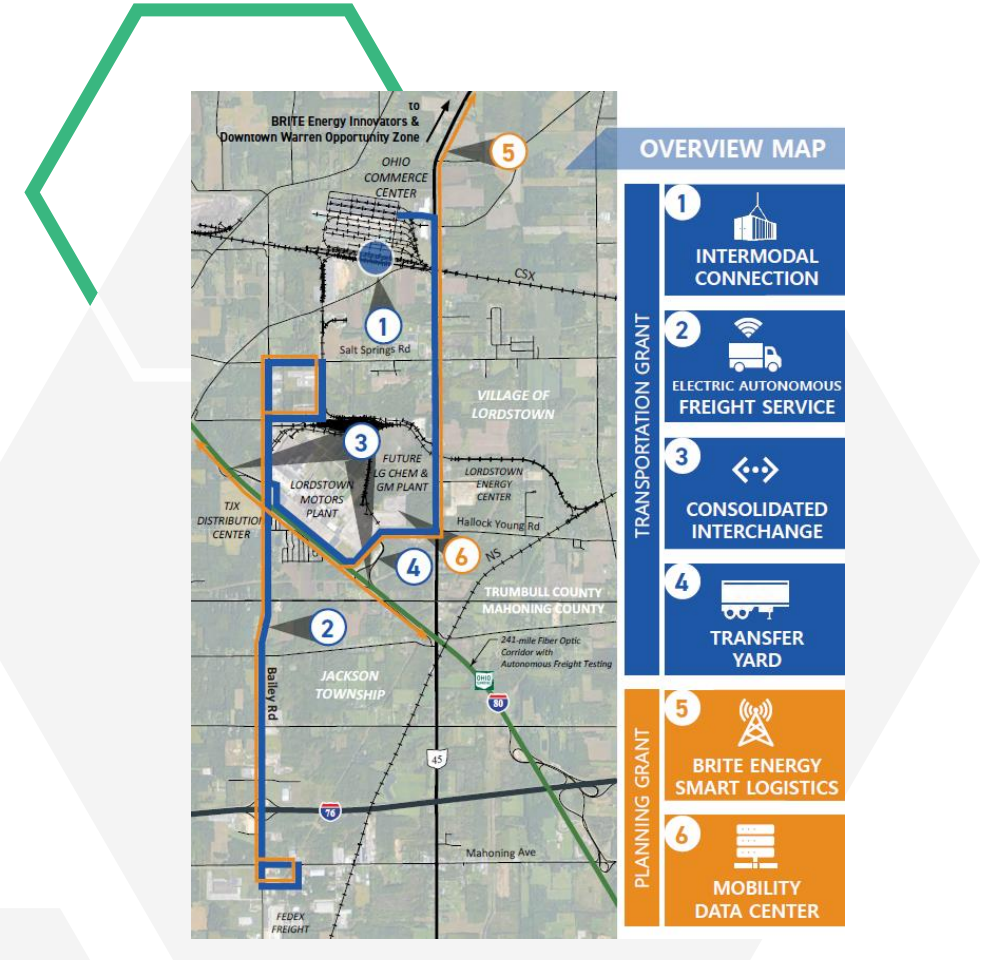
# Electrification and EV Charging



DriveOhio is coordinating with Ohio EPA and other agency partners on a statewide approach to EV charging. A key recommendation is to have EV charging stations at least every 50 miles.



# Lordstown Smart Logistics Hub



The Lordstown Smart Logistics Hub in the “Voltage Valley” will be the leading electrified multi-modal freight corridor in the Midwest.





An aerial photograph of a helipad located on the roof of a building with a distinctive glass and steel lattice facade. The helipad is a light gray rectangular area with a green circular landing zone in the center. The landing zone features a white 'H' and the letters 'SBS' in red. A blue swoosh graphic with an arrow pointing clockwise is positioned over the 'H'. The text 'flyOhio' is overlaid on the image, with 'fly' in blue and 'Ohio' in black. The background shows the surrounding city and a parking lot with several cars.

flyOhio



# Advanced Air Mobility (AAM)







AGILITY PRIME



# Advanced Air Mobility Hub at Springfield Beckley Airport







AGILITY PRIME

## Ground Breaking Ceremony: Aircraft Charging Station and Simulator



ddc dayton development corporation

JobsOhio

flyOhio





flyOhio

Image: Drone Express



flyOhio







**AAM**





# Advanced Air Mobility (AAM) Mission





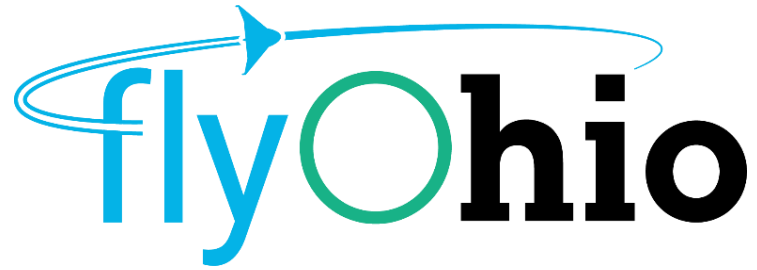
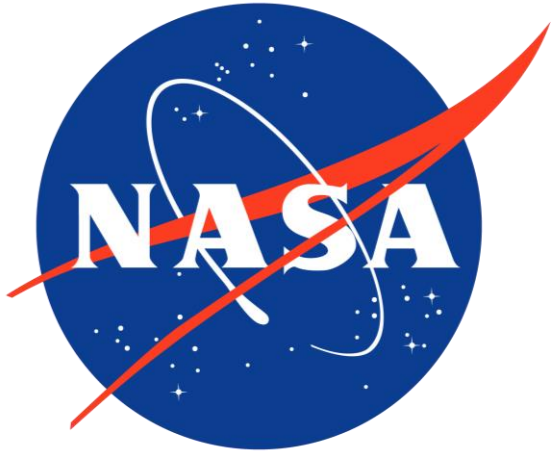


Image: Kitty Hawk Corp.

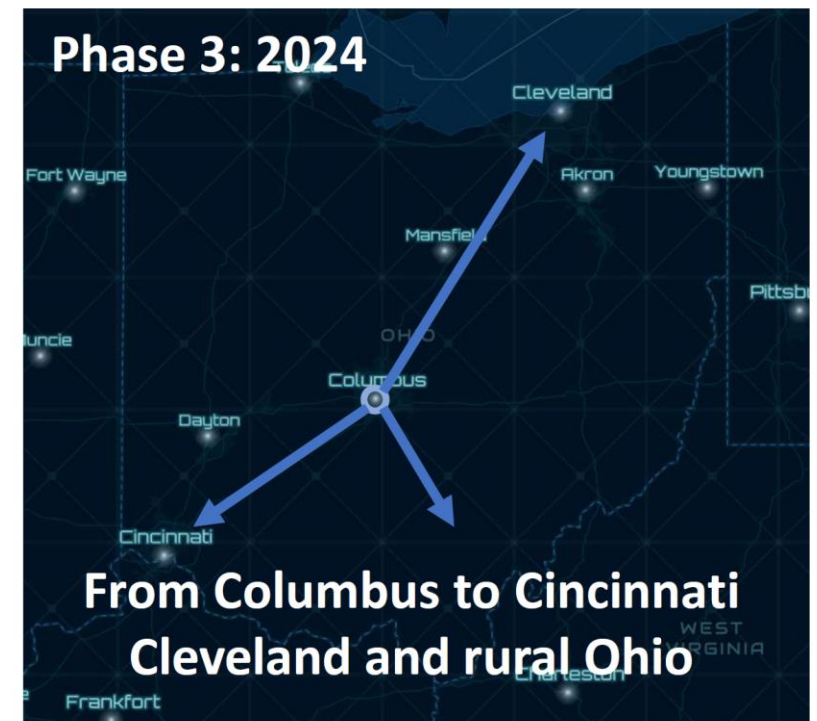
### Phase 1: 2022



### Phase 2: 2023



### Phase 3: 2024





# 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

 **81**

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

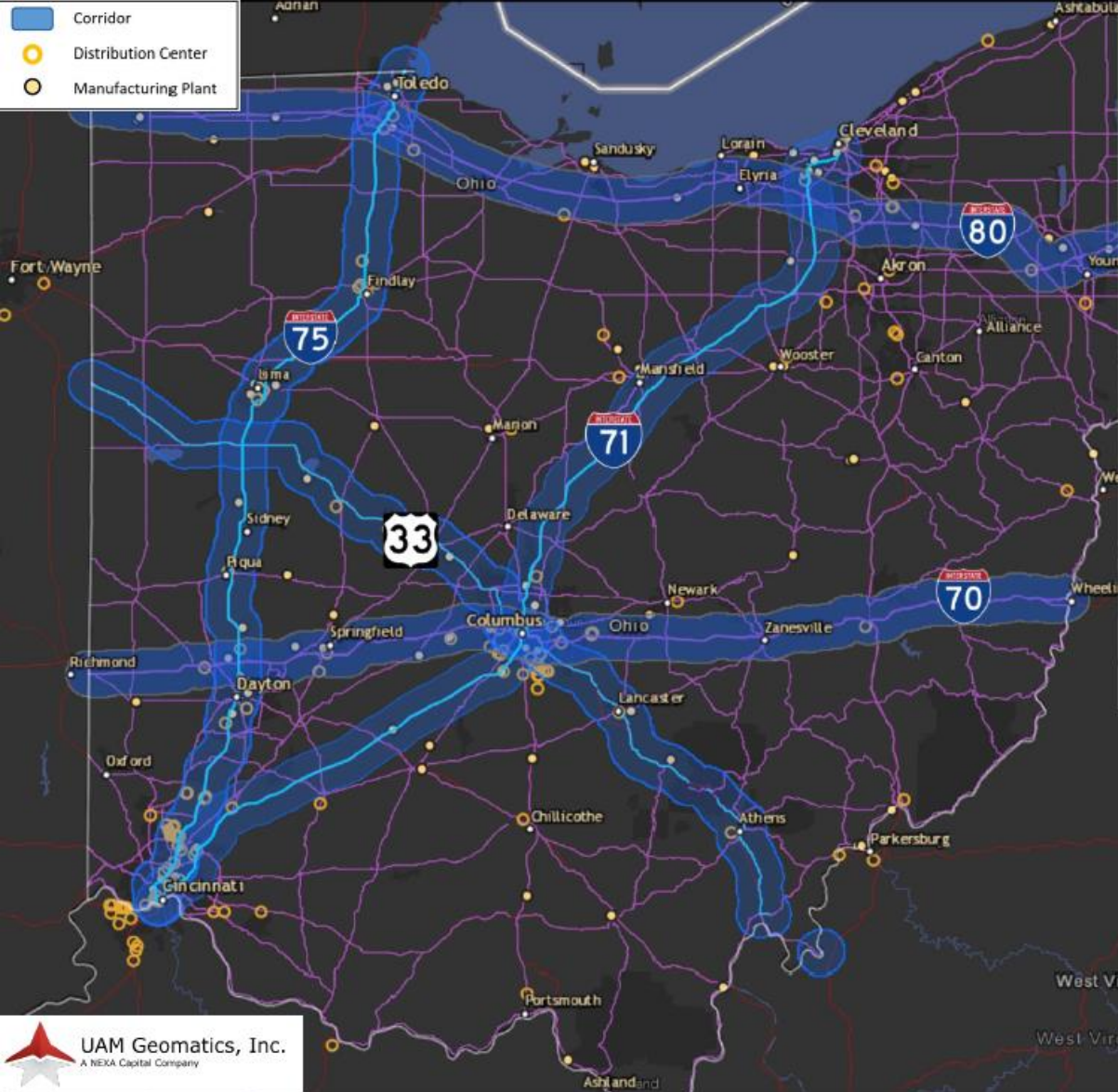
Ohio Job Creation

 **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.*







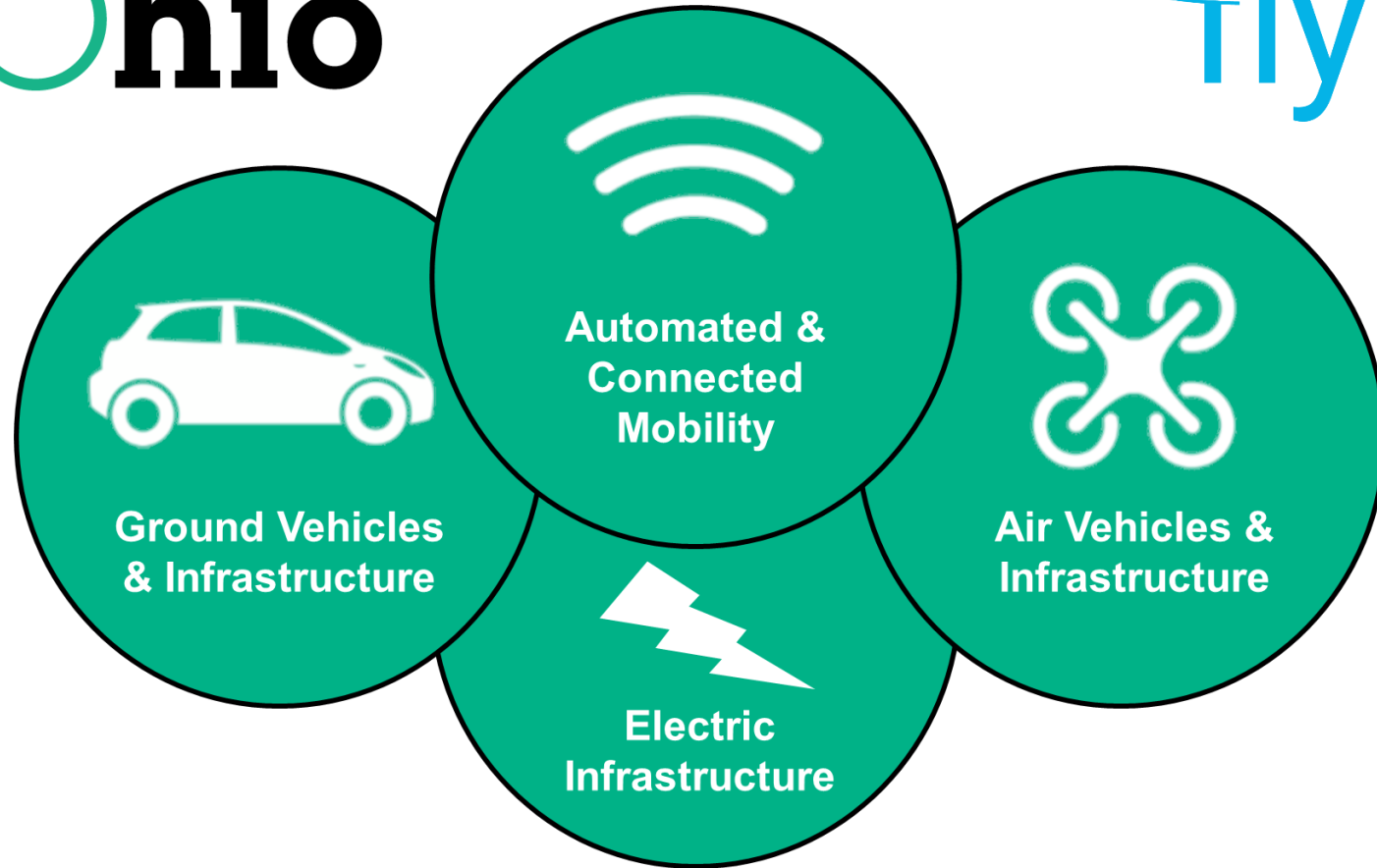
**CROWN**

**NEXA** Capital Partners, LLC  
NEXA Capital powers the industry

University of  
**CINCINNATI**

# DriveOhio

# flyOhio



**Ohio is the hub for smart mobility – on the ground and in the air.**

***Come here to test, stay here to grow.***





## Rich Granger

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and Economic Development

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