



# DriveOhio

Advancing Smart Mobility



CONNECTED



AUTOMATED



ELECTRIC

*Smart mobility on the ground, in the air, everywhere*

How it started...

DriveOhio



# How it's going...

DriveOhio





 Joby

 JobsOhio



Department of  
Development

 ddc

dayton  
development  
coalition






Dayton, Ohio  
The birthplace  
of aviation





Governor  
DeWine



 Joby





**2,000**  
jobs

**\$477,500,000**  
capital investment

**\$140,566,400**  
in payroll



**MIKE DEWINE**  
GOVERNOR OF OHIO



**JON HUSTED**  
LT. GOVERNOR OF OHIO



# SPRINGFIELD

*Ohio!*



**BETA**

Electric Charging Station



Vertiport





# National Advanced Air Mobility Center of Excellence (NAAMCE)



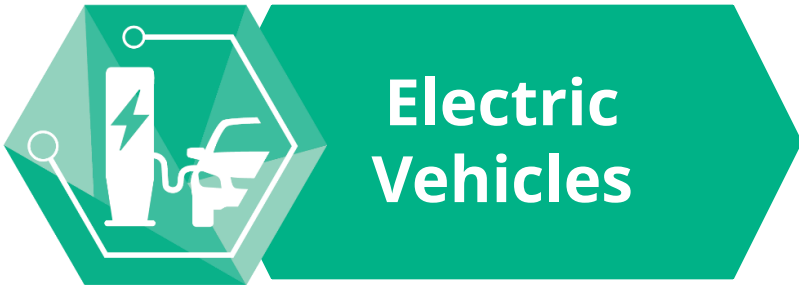
Opened in  
September  
2023





# Ohio's Smart Mobility Ecosystem

DriveOhio



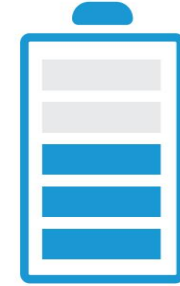
# Building Ohio's **ELECTRIC VEHICLE** Industry



By 2030, there will be up to

# 25,400

jobs needed for EV-related careers in Ohio.



By 2032, electric vehicles will account for more than

# 60%

of new US vehicle sales.

[workforce.ohio.gov/EV](https://workforce.ohio.gov/EV)

Higher Education

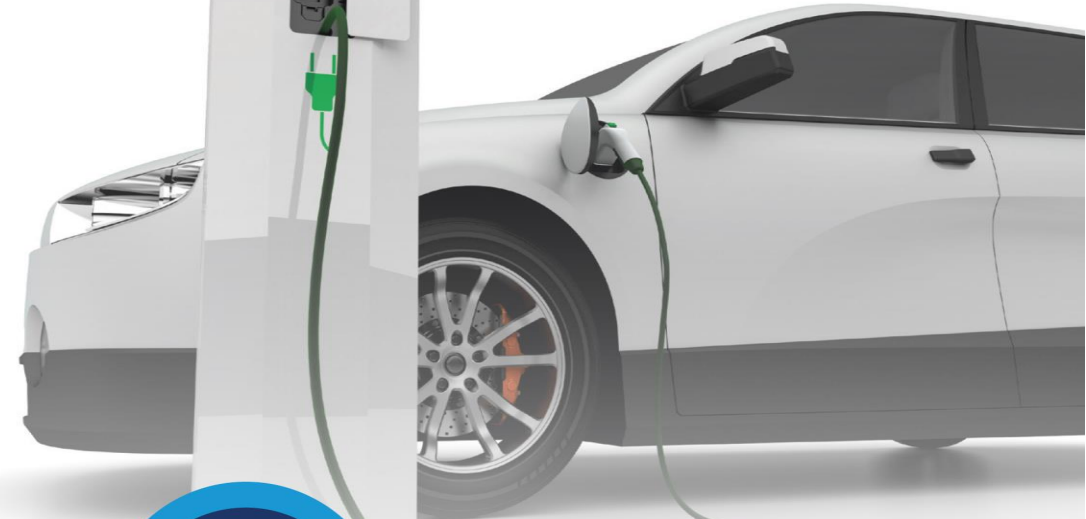
Non-Degree Professionals

Highly Transferrable Occupations

Reskilling ICE Talent

Untapped Talent

Ohio's Current and Future EV and Advanced Manufacturing Workforce



There are more than 20 million electric vehicles in the world and this is expected to grow by 80% in the next decade.



# 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

[uas.ohio.gov](http://uas.ohio.gov)

Drive  Ohio

# Top 10 Job Growth Categories

Manufacturing

Engineering

Quality Control

AAM Operations

AAM Support



Advanced  
Air Mobility

Medical Services

Travel Services

Hospitality

Business


Education

Ohio Job Creation



15k

# Smart Mobility Career Pathways




**Electric Vehicles**



**Advanced Air Mobility**




**Connected + Automated Vehicles**



**Electronics Engineer**  
Bachelor's Degree



**Aerospace Engineer**  
Bachelor's Degree




**Mechanical Engineer**  
Bachelor's Degree



**Electrical Powerline Installer/Repairer**  
Credentials + Training



**GIS Analyst / UAS Pilot**  
Bachelor's Degree + Credentials




**Vehicle Test Driver**  
Credentials + Training



**Electrician**  
Apprenticeship + Licensure



**Aviation Maintenance Technician**  
Credentials + Training



**Automotive Technician**  
Credentials + Associate Degree

# Workforce Development



**ENGAGING**

PreK to 12



**Problem-Based Learning**

**PREPARING**

Career Tech + Higher Ed



**Work-Based Learning**

**UP-SKILLING**

Incumbent



**Industry Credentials**

Electric Vehicle

**EVITP**<sup>TM</sup>

Infrastructure Training Program

Ohio | TechCred 

[evitp.org](http://evitp.org)





**ONLINE  
TECHNICIAN  
TRAINING**



## Comprehensive Automotive Training

Gain the skills you need in order to diagnose, service, repair and calibrate ADAS equipped vehicles.

[AAAtechtraining.com](http://AAAtechtraining.com)



**ADAS Overview**



**Hybrid + Electric  
Vehicle Repair**



**CAN Data**

# DriveOhio Educator Toolkit



**Career  
Connections**



**Curriculum**



**Professional  
Development**

[drive.ohio.gov/toolkit](https://drive.ohio.gov/toolkit)

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.

DriveOhio

# Vertiport Innovation Challenge

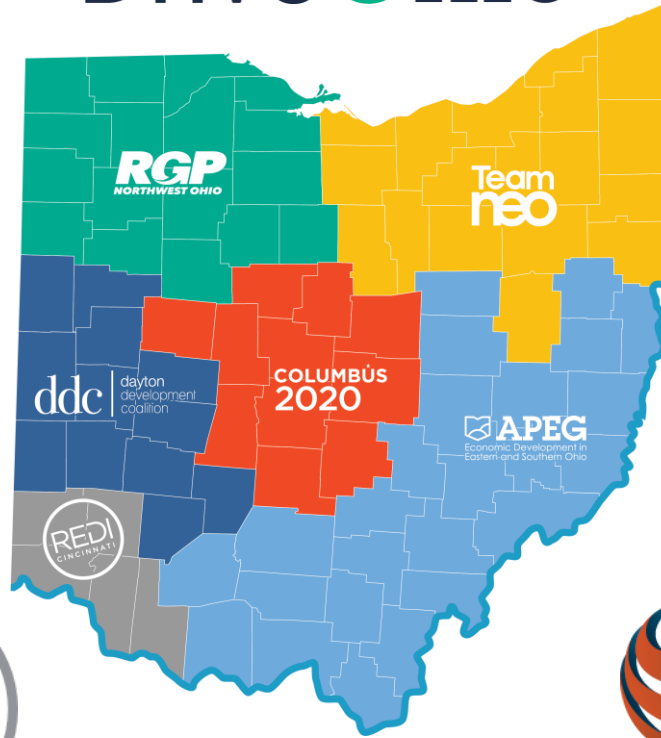




# 2023 Ohio Vertiport Innovation Challenge



Drive  Ohio



**RICKENBACKER**  
INTERNATIONAL AIRPORT



**OHIO**  
UNIVERSITY



**AKRON-CANTON**  
AIRPORT





Coming soon!

*Advanced Air Mobility Careers*



### **Smart Mobility Training Academy (SMTA)**

In cooperation with DriveOhio, these courses are related to Smart Mobility and the Smart Mobility Ambassador Program.



### **Unmanned Aerial Systems (UAS) eLearning**

View a listing of available eLearning courses related to Unmanned Aerial Systems.



[drive.ohio.gov/toolkit](https://drive.ohio.gov/toolkit)

**Rich Granger**  
Managing Director, Workforce



[workforce@drive.ohio.gov](mailto:workforce@drive.ohio.gov)

DriveOhio

[drive.ohio.gov/workforce](https://drive.ohio.gov/workforce)