

Ohio's Flying!

Ohio's UAS Center & Test Complex is working with State Agencies, Universities, Industry and Federal partners to prepare for UAS integration



Active Flying

- Precision Agriculture
- Infrastructure Inspection
- Natural Resource Survey
- Corrections
- First Responders
- National Defense
- Over 50 Active COAs
- 3 Statewide Section 333 Exemptions

Aeronautical Research

- Modeling and Simulation
- Command and Control
- Vehicle Dynamics
- Autonomy
- Air and Ground Traffic Control

Extensive Test Resources

- Five Ranges
- Hangar and Test Resources
- Climatic and Signature
- Wind Tunnel
- High Bandwidth Connectivity to Enterprise Data & Supercomputing

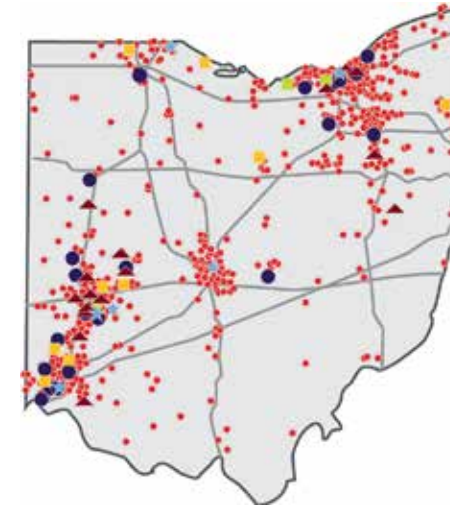
Robust Manufacturing and Supply

- 1200 Aerospace Manufacturer and Supply Chain Sources
- Composite Materials Leader
- Power System, Avionics, Controls



Why Ohio?

Less tax. More opportunity.
Strong workforce.
Strong business.
Competitive incentives.
Unbeatable supply chain.
Starting from scratch?
Ship your products.
Tax free.



- 6th largest interstate network
- 4th largest trucking industry
- 3rd largest active rail network
- 7th in waterborne domestic tonnage
- 4th in airports

UAS MIDWEST

August 16-17, 2016
Dayton Convention Center
22 E. 5th St., Dayton 45402
UASmidwest.org



Fly Ohio



Learn more about our Research, Testing and Business Opportunities:
 Ohio/Indiana UAS Center and Test Complex | uas.ohio.gov
 Email: uascenter@dot.state.oh.us | Call: 937-497-6720



Ready to set up shop in Ohio? Contact JobsOhio
 West: 937-229-9090, contact@jobsohiowest.com

Advanced Manufacturing

Ohio is the No. 1 supplier to Boeing and Airbus: both spend more money in Ohio on their supply chain than any other state.



IMCP

The Cincinnati/Dayton region is one of twelve federally designated manufacturing communities in the United States. The Investing in Manufacturing Communities Partnership (IMCP) designation gives the region preferential treatment on federal grants to support the region's manufacturing infrastructure, specifically within the aerospace industry.

NNMI

America Makes is the flagship institute for the National Network of Manufacturing and Innovation (NNMI). The Youngstown, Ohio based network brings together more than 100 industry-leading companies, world class

academic and research institutions, non-profits and government agencies to grow and strengthen additive manufacturing capabilities.

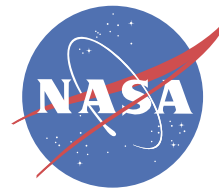
Materials Industry Leader

Ohio is also home of the Air Force Research Laboratory's Materials and Manufacturing Lab, which controls Air Force Materials development globally. Institutes leveraging Ohio's dominant position in advanced materials will keep our supply chain in a global leadership position. The University of Dayton ranks 2nd among national colleges and universities for all sponsored materials R&D. The Ohio State University ranks 3rd.

Research & Development



The Air Force Research Laboratory (AFRL), located at the Wright Patterson Air Force Base (WPAFB), employs over 10,000 with a budget of nearly \$4 billion. AFRL directorates located at WPAFB focus on Human Performance, Aerospace Systems, Materials and Manufacturing, and Sensors.



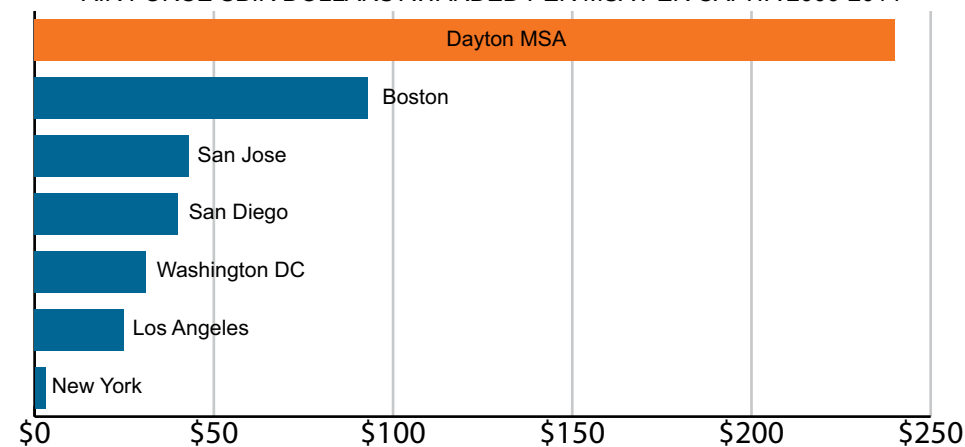
The NASA Glenn Research Center employs 2,500, runs over 500 specialized research and test facilities, and has won more R&D Awards than all other NASA facilities combined.

Over \$9 billion is invested in tomorrow's gamechanging aerospace Research & Development and testing in Ohio each year. Ohio's R&D institutes bring in over \$2B a year and have established collaborations with leading aerospace companies and federal institutions such as GE Aviation, Goodyear, Lockheed Martin, Parker Hannifin, Air Force, and NASA.

Air Force SBIR Contracts

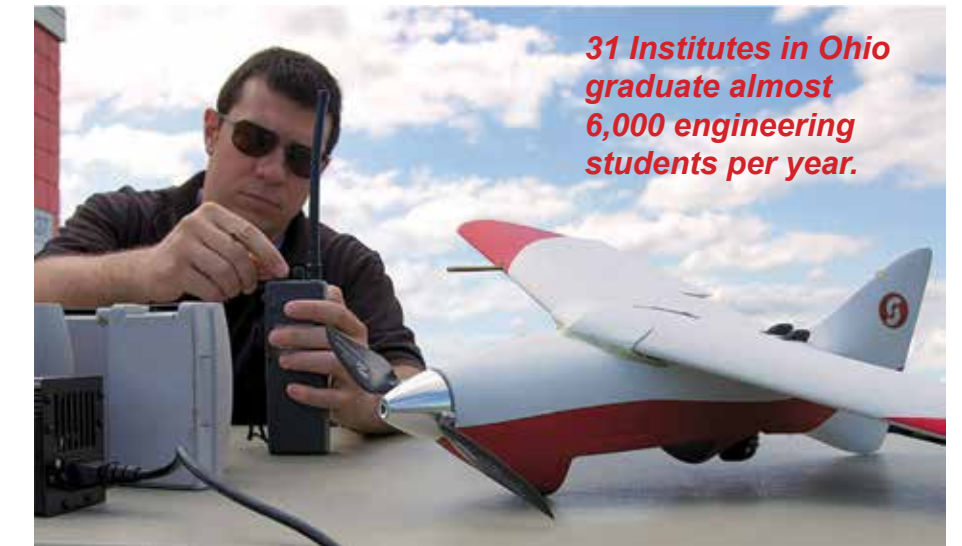
The Dayton MSA is awarded significant Air Force contract dollars. The Dayton MSA performs more contract work per capita than any other metro area.

AIR FORCE SBIR DOLLARS AWARDED PER MSA PER CAPITA 2000-2014



Source: Small Business Administration: www.sbir.gov

Training & Education



31 Institutes in Ohio graduate almost 6,000 engineering students per year.

World Class Training

Kent State University's College of Applied Engineering, Sustainability, and Technology offers a minor in Unmanned Aircraft Systems focusing on sensor systems, command, control and communication, as well as flight operations theory. Sinclair Community College's National UAS Training and Certification Center provides training and certifications focused on UAS technologies in applications including precision agriculture, first responders, and geospatial information.

Other schools heavily engaged in UAS activities include Clark State Community College, University of Cincinnati, The Ohio State University, Ohio University, and Wright State University. These institutes, among others, place Ohio at the forefront of unmanned systems technology as well as advanced materials research and development, and other aerospace manufacturing.

The Ohio Centers of Excellence in Advanced Transportation and Aerospace are:

- > **Case Western Reserve University** Aerospace Engineering
- > **University of Cincinnati** Intelligent Air & Space Vehicle
- > **University of Dayton** High Performance Materials
- > **University of Dayton** Optoelectronics & Sensors
- > **The Ohio State University** Transportation for Tomorrow's Economy
- > **University of Toledo** Transportation & Logistics
- > **Wright State University** Advancing Aerospace & Transportation
- > **Wright State University** Human-Centered Innovation