



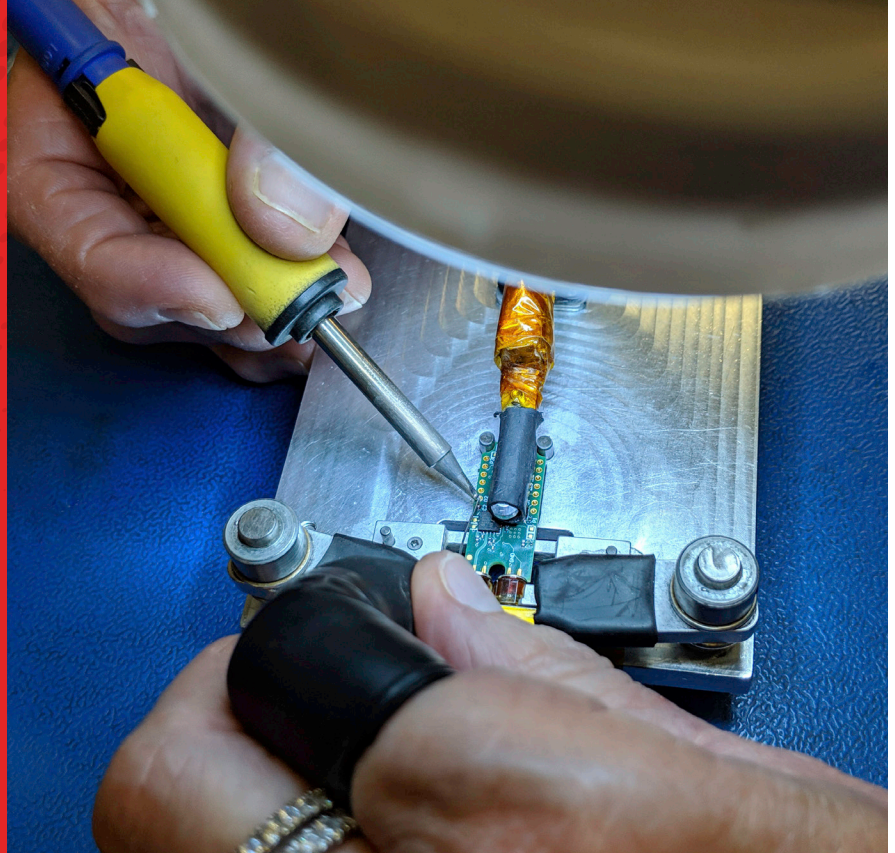
GE Aviation in Evendale, Ohio.

Ohio

Where Aerospace and Aviation
Companies Take Flight

Ohio's Innovative and Collaborative Environment

Ohio is the birthplace of aviation and continues today as a place for leading-edge aerospace research, innovation and collaborative development. As the No. 1 supplier state to Boeing and Airbus, Ohio is a powerhouse producer of systems and parts for the aerospace industry, leveraging our innovation infrastructure and our manufacturing know-how. In addition, our mix of government, corporate and military investment in the industry make Ohio the ideal location for companies looking to expand and advance their aviation and aerospace operations.



COTSWORKS in Highland Heights, Ohio.

A Highly Skilled and Continuously Expanding Aerospace and Aviation Workforce

Ohio's skilled workforce, talent pipeline, training programs and higher education institutions provide aerospace and aviation companies the skilled workers they need to take their innovations to new heights.



3rd Largest Manufacturing Workforce in the U.S.



18,000+

Engineering and Science degrees Graduate Each Year From **80+** University Campuses in the State



38,000+

Employees in the Private Aerospace Industry



SEVEN

Colleges and Universities Conducting UAS and Advanced Technology Research



5th

Highest Number of Top Aerospace Jobs in the Nation



The National UAS Training and Certification Center located at Sinclair Community College



550+

Aerospace and Aviation Firms

Innovation in the Sky and Beyond

With \$12 billion in R&D investments, Ohio is home to hundreds of organizations dedicated to advancing aerospace and aviation breakthroughs. Companies in Ohio can collaborate with government, academic, military, industry peers and industry organizations to develop and commercialize their latest aerospace and aviation technology.

The NASA Glenn Research Center: Headquartered in Cleveland, the NASA Glenn Research Center advances aeronautics and space exploration with its new and innovative technologies at more than 500 specialized researching and testing facilities in Ohio.

The Air Force Research Laboratory (AFRL): Pushing the boundaries of air and warfighting research, the AFRL at Wright-Patterson Air Force Base near Dayton is developing tomorrow's air, space and cyberspace technology.

Dynamic Industry Ecosystem: Ohio has more than 550 aerospace and aviation firms and is the leading supplier state to Boeing. Some of those companies include the headquarters for GE Aviation, Honeywell, Parker Hannifin, Event 38, L3 Harris Technologies, Eaton, Zin Technologies, Lockheed Martin, Drone Worx, Collins Aerospace, Theiss UAV Solutions, Boeing, SelectTech Geospatial, Sierra Lobo, General Tooling Company (GTC) and Metalex Manufacturing.

Additional Public-Private Research Partnership Opportunities: Battelle, Ohio Federal Research Network, The Ohio State University, University of Cincinnati, Ohio University, Kent State University, Case Western Reserve University, Wright State University, and University of Dayton.

America Makes: Based in Youngstown, the National Additive Manufacturing Innovation Institute brings together the nation's brilliant technical minds to create a hub of advanced manufacturing innovation in additive manufacturing. The organization has a national industry reach that includes satellite centers, aviation research, aerospace and aviation manufacturing, and collaborations with NASA.

Workforce Talent: Ohio has over 200 campuses that offer engineering and technical degrees with 13,000 graduates annually, providing highly skilled engineering talent to the aerospace and space industry.

Innovation in Action: Strategies and Initiatives

Ohio has been a valuable contributor to our nation's aerospace and space industry for generations. Building on that heritage, Ohio is prioritizing commercialization and real-world application.

Aerospace Advanced Propulsion

Electric Propulsion: GE Aviation will create an Electrical Power Integrated Systems Research & Development Center (EPISCENTER) to be directed at several markets including on- and off-highway hybrid and electric vehicles, more electric aircraft and marine applications.

Supersonics: GE Aviation has been selected as the Electrical Power Systems provider for Aerion Supersonic's AS2 supersonic 12 passenger business jet currently in development.

Hypersonics: NASA, the Air Force Research Laboratory and Australia's Defence Science and Technology Organisation are working with a number of partners on the HIFiRE (Hypersonic International Flight Research Experimentation) program to advance hypersonic flight.

Autonomous Air Mobility

Drone Technology: Ohio Unmanned Aircraft Systems (UAS) Center is Ohio's one-stop shop for UAS and advanced aviation technologies. Ohio urban air mobility (UAM) commercial or defense companies can fly UAM vehicles at 1,000 to 10,000 feet elevation under Federal Aviation Administration waivers through Ohio's UAS Center. A partnership with Air Force Research Laboratory (AFRL) has brought about SkyVision, a ground-based detect-and-avoid radar system at Springfield-Beckley Municipal Airport in Springfield. SkyVision allows UAM flights beyond visual line-of-sight.

33 Smart Mobility Corridor: Ohio's UAS Center, under Ohio Department of Transportation, has developed and deployed advanced radar and traffic management technologies to monitor low-altitude air traffic using passive radar. These research technologies include communication devices on both air and ground vehicles.

For more information on all things autonomous in Ohio, ask about our autonomous mobility brochure.



Home to Aerospace and Aviation's Top Suppliers, Manufacturers, Researchers and Innovators

From landing and braking systems, fluid handling and motion control, to propulsion, engineering and aviation services, Ohio is home to companies in multiple aerospace and aviation subsectors critical to the advancement of the entire industry. Here's where to find them:



Landing & Braking System

1. Meggitt Aircraft Braking Systems
2. Heroux Devtek (Springfield)
3. Heroux Devtek (Cleveland)
4. Carlisle Brake & Friction
5. Collins Aerospace (Cleveland)
6. Collins Aerospace (Troy)
7. Parker Hannifin
8. Eaton
9. Safran Landing Systems (Messier Bugatti Dowty)



Materials

1. McGean
2. ABS Industries
3. Owens Corning
4. Materion Corporation
5. Mesocoat
6. Polyone Corporation
7. Saint Gobain
8. Kaiser Aluminum
9. Renegade Materials Corporation
10. Rolled Alloys
11. Ross Aluminum
12. High Tech Castings
13. Wyman-Gordon
14. Timet
15. Fireline, Inc.
16. Arconic
17. Precision Alloys
18. Polymet



Post Processing

1. Bodycote Thermal Processing (Cincinnati)
2. Bodycote Thermal Processing (Columbus)
3. Bodycote Thermal Processing (Cleveland)
4. Winston Heat Treating
5. Miller Consolidated Industries
6. Parker Trutek (Springfield)
7. Parker Trutek (Urbana)
8. Cincinnati Thermal Spray
9. Techmetals
10. Microtek Finishing
11. Paulo Heat Treating, Brazing and Metal Finishing



Fluid Handling, Motion Control

1. AeroControlex
2. Crane Aerospace & Electronics
3. Transdigm (parent for Aerocontrolex and Aero Fluid Products)
4. Aero Fluid Products
5. Eaton
6. Parker Hannifin
7. Triumph Thermal Systems



Propulsion, Engine and Components

1. Hartzell Propellers
2. GE Aviation Systems LLC (Cincinnati)
3. GE Aviation Systems LLC (Peebles)
4. Enginetics Corporation (Standex)
5. GKN Aerospace Cincinnati
6. Barnes Aerospace
7. Honeywell
8. Magellan Aerospace, Middletown
9. GE Additive Technology Center
10. PCC Airfoils
11. PAS Technologies
12. Meyer Tool, Inc.
13. US Aeroteam
14. CFM International
15. Dedienne Aerospace
16. Canton Drop Forge



UAS - Unmanned Aircraft System

1. Ohio UAS Center
2. SelectTech Geospatial
3. Event 38 Unmanned Air Systems, Inc.
4. Quasonix
5. Workhorse Group
6. Theiss UAV Solutions
7. Unmanned Solutions Technology



Engineering And Aviation Services

1. Ball Aerospace Corporation
2. Battelle
3. CDI Corporation
4. U.S. Technology Aerospace Engineering Corporation
5. Global Aerospace Design Corporation
6. Ahmic Aerospace
7. Lambda Technologies
8. Woolpert
9. Science Applications International Corporation
10. Airborne Maintenance and Engineering Services
11. Constant Aviation
12. Spirit Aeronautics
13. Nextant Aerospace, LLC
14. FlightSafety International, Inc.
15. Radiance Technologies, Inc.
16. Sierra Nevada Corporation
17. SRC, Inc.
18. Spectra Jet, Inc.
19. NASA Glenn Research Center
20. Net Jets
21. Zin Technologies
22. Wright-Patterson Air Force Research Labs



Other Component Manufacturing

1. Thogus
2. Ferro Tech
3. Esterline & Sons Mfg. Co.
4. Moss Vale Inc.
5. Wodin, Inc.
6. Voss Industries
7. Cutting Dynamics
8. Enginetics Corporation
9. Performance Plastics, Ltd.
10. Timken
11. TransDigm Group
12. Dayton Rogers of Ohio
13. Banner Metals
14. LORD Corporation
15. Spintech LLC
16. Taylor Manufacturing
17. Tomco Machining
18. Dayton Precision Aerospace
19. Barnes Aerospace
20. CTL Aerospace
21. Rhinestahl Corp.
22. Standex Electronics
23. Makino
24. Wayne Trail Technologies
25. Swagelok
26. Arconic Forgings and Extrusions
27. A&P Technology, Inc.
28. Schneller
29. StandardAero
30. NMG Aerospace
31. Tronair, Inc.
32. Test-Fuchs Corporation
33. Metalex Manufacturing
34. Projects Unlimited
35. Rimeco Products, Inc.
36. Canton Drop Forge
37. General Tool Company
38. Precision Aero Corporation
39. Tomak Precision
40. Master Fluid Solutions
41. Clampco Products
42. COTSWORKS



Sensors And Integrated Aircraft Systems

1. GE Aviation EPISCenter
2. Lockheed Martin Airdock
3. Boeing
4. Collins Aerospace
5. Leidos, Inc.
6. Leonardo DRS
7. Northrup Grumman
8. Honeywell International, Inc.
9. Orbital ATK
10. Sirio Panel
11. Trimble Navigation
12. Unison Industries
13. L-3 Space and Sensors
14. Northrup Grumman - Xetron
15. Safran Power USA, LLC

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