



2018 Ohio Aerospace, Aviation, and Defense Employment, Education, and Economics, Federal & State Policy History, Strategy, and Agenda

Ohio has brought industry and university leaders together, as well as elected officials from across Ohio to form the Ohio Aerospace and Aviation Council (OAAC) and the Ohio Aerospace and Aviation Technology Committee (OAATC). Together, the OAAC and the OAATC are chartered to develop a strategy and framework in order to support, retain, and create jobs within Ohio's aerospace, aviation, and defense industries, including related federal, academic, and non-profit installations and assets. The OAAC/OAATC adopted specific strategies, guided by the integration, engagement, and alignment of Ohio stakeholder interests, to rally those with a common vision and mission to advocate for, guide and integrate Ohio's aerospace and aviation industry.

Vision: Ohio – America's Leader in Global Aviation and Aerospace

Mission: Create opportunities in Ohio for economic growth, jobs, education, and to shape and grow the future of the Aviation and Aerospace Industries

The OAAC/OAATC with JobsOhio have validated Ohio's aerospace industry as one of Ohio's largest – directly employing over 100,000 full-time workers. Ohio has no other industrial sector in which its federal facilities, industry, and academic institutions play as dominant a role in U.S. industrial production, export, research & development (R&D), and policy leadership as Ohio's aerospace industry. Consider the following:

- Ohio is a leader in aerospace manufacturing attractiveness¹;
- Ohio is the undisputed leader in US Military aviation research & development²;
- Ohio is the undisputed leading supplier to the world's major aerospace, aviation, and defense OEMs (ex. Boeing and Airbus);
- Ohio offers unique test facilities and world-class R&D in emerging aerospace innovation areas: simulated space environments, hypersonics, hyperloop-mobility, aeronautics, materials, sensors, aerospace power and propulsion, aerospace medicine and human effectiveness, advanced manufacturing, and additive manufacturing.

CURRENT STRATEGIES/OPPORTUNITIES

- Improve Ohio's aviation infrastructure to meet the global requirements of Ohio companies by establishing a dedicated aerospace staff position within the administration reporting to the Governor;
- Continue to unite Ohio under an aligned aerospace theme and strategy, focusing collective regional interests, and provide a face and focal point of Ohio's aerospace sector;
- Support the industry development of Ohio Unmanned Aircraft Systems (UAS) and Personnel Air Vehicles (PAV) and an academic focus capitalizing on unique assets within the State to drive industry growth, i.e. Integration of Ground Radar to integrate UAS operations within National Air Space, and US33 Smart Corridor integration for UAS systems with DriveOhio autonomy strategies;
- Leverage Ohio's dominant position in advanced materials R&D for direct application to hypersonics and next generation aerospace use;
- Continue to provide state funding for university based R&D with aerospace and aviation centers

¹ [PwC 2017 Aerospace Manufacturing Attractiveness Rankings](#)

² [AFRL - HQ Dayton Ohio - WPAFB - Aero-space R&D](#)

- of excellence, and the Ohio Federal Research Network to attract top talent;
- Maintain and expand Ohio's position as a worldwide leader of cutting edge aerospace R&D, testing facilities and capabilities, i.e. hypersonic test facilities at AFRL, NASA GRC and Plum Brook Station, support the logistics transportation modifications from Mansfield airport to provide large test article transport to NASA Glenn Research Center Plum Brook Station;
- Expand Ohio's aerospace supply network by supporting the expansion of Ohio's maintenance, repair, and overhaul (MRO) industry and support an MRO Center of Excellence to drive this expansion;
- Develop a statewide initiative to provide greater focus and support for the retention and expansion of the Ohio aircraft power and propulsion development and manufacturing sector;
- Develop and support a state-level Office of Government and Military Affairs reporting to the Governor to assure preparedness of regular military, national air guard, NASA, and other federal installations associated with aerospace to secure against Base Realignment and Closure (BRAC) federal initiatives;
- Expand Ohio's DriveOhio initiative and assure an integrated focus on autonomous mobility solutions which include first and last mile UAS/PAV and aviation multi-modal connectivity with planned automotive strategies;
- Support the national development of Air Traffic Reform, including the implementation, performance evaluation and testing of NextGen technologies within Ohio commercial and general aviation airports;
- Support development of the Ohio Unmanned Aircraft Systems (UAS) Industry through favorable regulatory policies to test and operate such systems with statewide pre-emption laws;
- Assist in preparing Ohio's workforce to meet the in-demand job needs of the aerospace and aviation sectors through industry training partnerships and state based decision making for available federal and state training initiatives;
- Continue to maintain and improve Ohio's air service infrastructure aligned with NextGen Priorities Joint Implementation Plan
- Support programs and assets critical to the future of Ohio's primary Federal Aerospace and Defense facilities
- Leveraging Ohio's federal and state aerospace and aviation research and development assets and support Ohio BOLD and other innovation cluster platforms;
- Providing a mature general aviation tax exemption policy to drive aviation/UAV/PAV/MRO and other aircraft operation expansion;
- Supporting STEM education from K-12 and state funded higher education programs aligned to industry needs;
- Support Ohio Global Reach to Engage Academic Talent (G.R.E.A.T.) and other workforce and STEM education initiatives to facilitate policy, networking, and integration programs that keep aerospace and aviation academic talent in Ohio.

ONE OHIO

The overarching goal of the OAAC and the OAATC is to retain and expand the 100,000 direct jobs associated with Ohio's aerospace, aviation, and defense sectors. In developing their strategy, the OAAC/OAATC have benchmarked Ohio's advocacy efforts at the federal and state levels, as compared to similar efforts by other states. It was found that Ohio's advocacy in support of these sectors is often conducted by regional partnership organizations, companies, and nonprofit organizations. Conversely, other major aviation and aerospace industry states benefit from aligned statewide advocacy to their federal and state officials. To optimize Ohio's position, a framework supporting a One Ohio aviation and aerospace strategy has been developed to align our efforts and to serve as a call to ACTION of Ohio stakeholders. The OAAC/OAATC approach is to provide single points of contact with representation from all regional stakeholders resulting in a single inclusive industry agenda.