2019 Michigan Aerospace Industry Profile

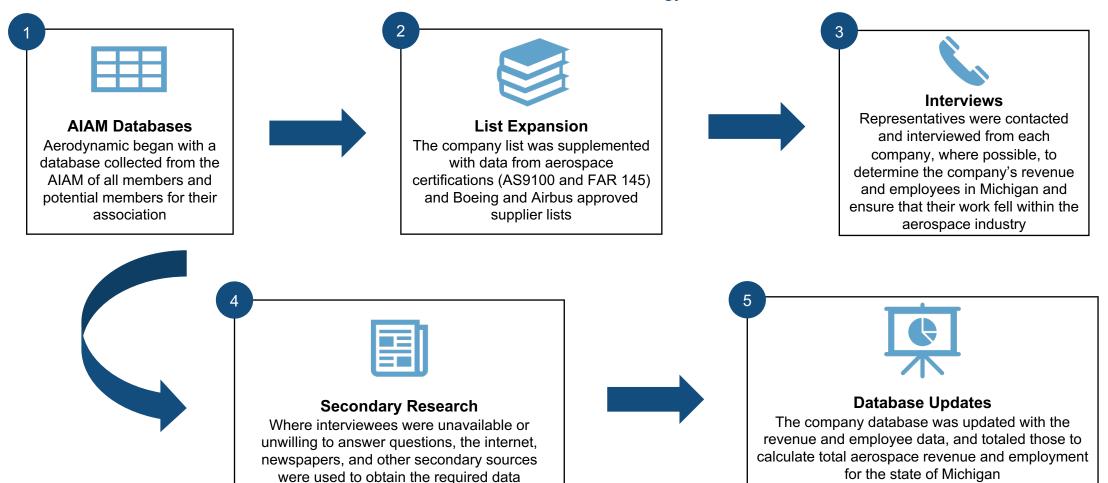


Executive Summary 19 September 2019



Due to the lack of quality information on Michigan's industry, AeroDynamic undertook a project to research the size of the Michigan aerospace industry in greater detail

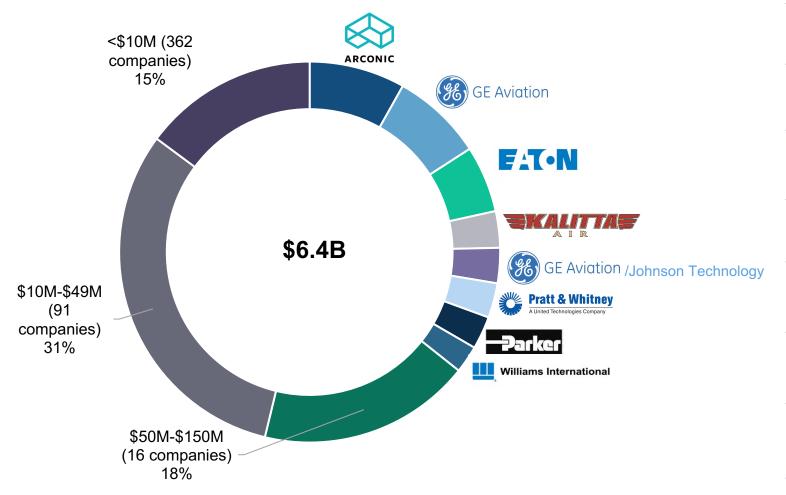
Methodology





477 companies in Michigan are directly contributing to an OEM or Tier 1 the aerospace industry

Michigan Aerospace Companies (2018 Aerospace Revenue From Michigan Operations)

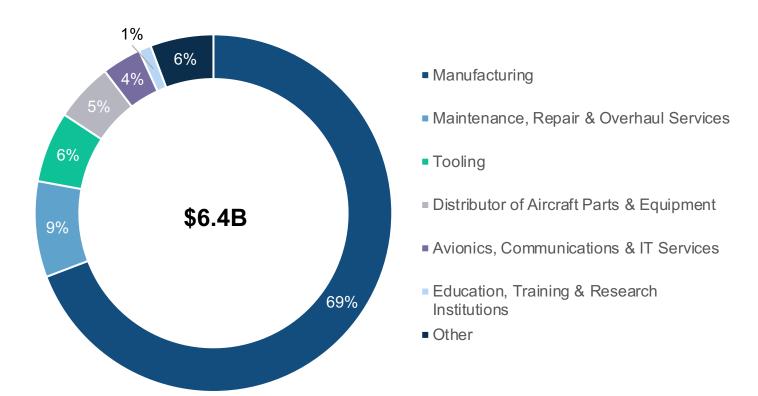


Arconic	2,100 employees, \$525M in revenueKey activity is Super Alloy Castings
GE Aviation	1,326 employees, \$500M in revenueKey activity is Avionics
Eaton	 1,825 employees, \$365 in revenue Key activity is Manufacturing for conveyance, fuel and motion control
Kalitta Air	 1,400 employees, \$200 in revenue Key activity is Maintenance, Repair and Overhaul Services at the Oscoda facility
GE Aviation/Johnson Technology	550 employees, \$193 in revenueKey activity is Manufacturing for turbine blades
Pratt & Whitney	 750 employees, \$190 in revenue Key activity is Manufacturing for geared turbofan blades
Parker	 600 employees, \$180 in revenue Key activity is Manufacturing for hydraulic systems and maintenance



Manufacturing comprises nearly 70% of aerospace activity in Michigan

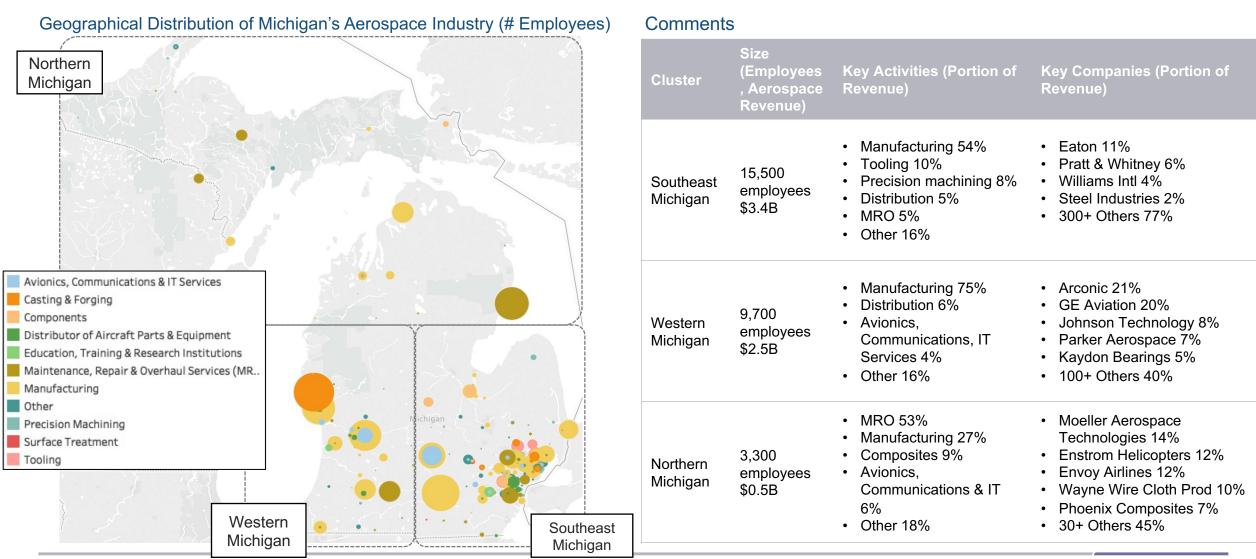
Michigan Aerospace Revenue by Segment \$(M)



Comments

- Manufacturing is the largest segment in Michigan's aerospace industry, making up over \$4.4 billion
- Michigan was recently given an 'A' rating on their manufacturing scoreboard by Ball State, and as mentioned earlier was ranked the 4th most attractive state to begin an aerospace manufacturing facility in
- Clearly manufacturing is a very large driver of Michigan's aerospace industry, as it is for the state's economy overall
- MRO is relatively small in Michigan, as it usually makes a larger percent of the market than 9%. Leading companies in MRO include Delta Air Lines, Kalitta Air, and Spirit Airlines
- > Tooling is a relatively large percentage of total revenue, approaching \$400 million in revenue.
- The state is also home to companies that have capabilities in distribution, avionics, education, and other segments as well

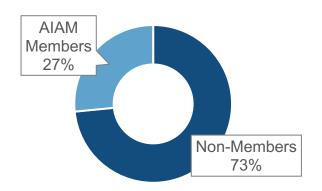
The key companies in Southeast Michigan are Eaton, Pratt & Whitney and Williams International



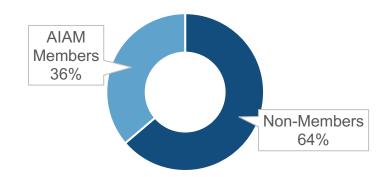
AeroDynamic

Currently 57 AIAM member companies represent 22% of aerospace employees and contribute 27% to the aerospace revenue in the state

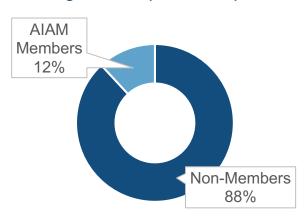
Michigan Aerospace Revenue



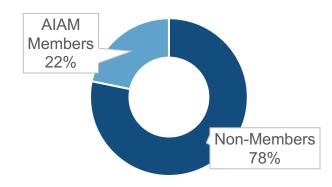
Michigan Aerospace Manufacturing Revenue



Michigan Aerospace Companies



Michigan Aerospace Employees



*AIAM currently has 98 members, 57 of which are contributing to aerospace activity in the state of Michigan

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