



## INDUSTRY PROFILE

# DEFENSE

Defense and homeland security organizations find a strategic advantage in Macomb County that exists nowhere else in North America. This competitive edge is bolstered by the area's exceptional engineering, advanced manufacturing capabilities, and research and development offerings, that have been built up over 100 years of not only meeting but exceeding standards.

As the home of the Arsenal of Democracy, this expertise in automotive technology and manufacturing prowess helped win World War II, and today that tradition has continued as the US Army's home to all things ground combat vehicle related. In fiscal year 2018, Macomb County defense companies were awarded 5,000 contracts, totaling \$3.4 billion, which accounted for roughly 68 percent of all Department of Defense (DoD) contracts awarded within the entire state of Michigan. Since 2001, Macomb County defense companies have won over \$36 billion in contracts. This long tradition of excellence and performance is why Macomb County is one of the premier locations for aiding in DoD modernization programs.

### KEY STATISTICS

**25,106**  
Total Jobs

**449**  
Establishments

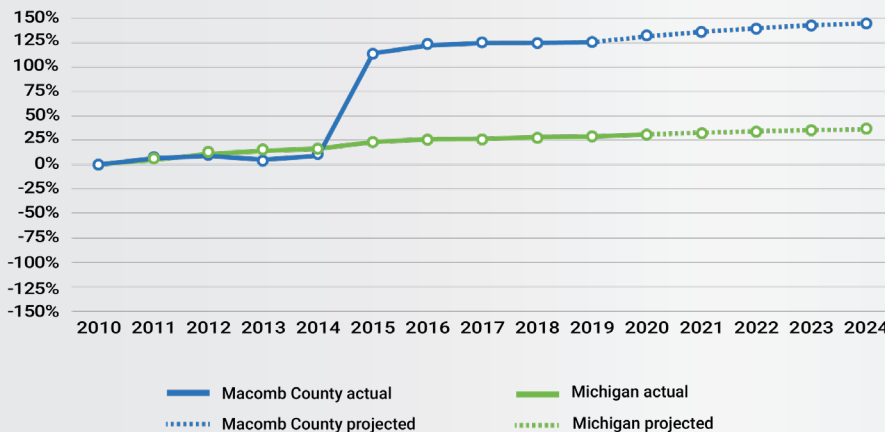
**+125%**  
Total Job Growth (from 2010)

**5,008**  
Defense Contracts (won in 2018)

**\$96,545**  
Average Earnings  
(National average \$92,417)

**\$3.4 Billion**  
Brought in by contracts  
\$36 billion since 2000  
(Contracts average \$2.25 billion)

### DEFENSE JOB GROWTH<sup>1</sup>



### INDUSTRY JOBS BY YEAR



#### MACOMB

#### MICHIGAN

10,071	2010	156,204
10,715	2011	163,862
10,975	2012	173,490
10,553	2013	179,140
10,972	2014	182,867
22,481	2015	195,736
24,310	2016	201,289
24,892	2017	201,848
24,940	2018	205,534
25,106	2019	206,744
26,611	2020*	211,357

### TOP LOCAL COMPANIES

- Ascent Aerospace
- BAE Systems
- Centerless Rebuilders Inc.
- Cintel Corporation
- CH Industries Inc.
- Curtiss-Wright Corporation
- DCS Corporation
- Duggan Manufacturing LLC
- Enmark Systems
- General Dynamics Land Systems
- Greene Metal Products
- KBR
- KEO Cutters Inc.
- Lanzen Fabricating
- Mantech Advanced Systems International
- Mettle Ops
- Navistar Defense
- Oshkosh Defense
- Prosper Tech
- Rave Computers
- SAPA Transmission
- Science Applications International Corp.
- Suburban Bolt
- VSE Corporation
- Waltonen Engineering

\* Projected data

1. Source: MSI Q1 2020 Data Set & Michigan DTMB Bureau of Labor Market Information and Strategic Initiatives, Local Area Unemployment Statistics

## EMPLOYMENT TRENDS<sup>1</sup>

Job Title	Employed in Industry Group (2019)	Percent Increase 2010 - 2019	Median Hourly Earnings (2019)
Software Developers, Applications	1,011	209%	\$43.89
Military-Only Occupations	863	-16%	\$22.00
Security Guards	667	21%	\$11.57
Computer Systems Analysts	438	107%	\$38.85
Mechanical Engineers	345	74%	\$45.79

## STAFFING PATTERNS

The defense industry in Macomb County saw a 42.5 percent increase in job growth from 2010-2018, which was fueled in part by the heightened demand for software developers. This industry has also been actively engaged in ensuring the next generation and current workforce has the skill sets required for its emerging sectors, such as cybersecurity and autonomous technology.

For example, in Macomb County, The Michigan Cyber Truck Challenge gives high school students from across the nation an opportunity in hacking defense-related transportation, which oftentimes leads to additional experience opportunities and job placements within industry. This Cyber Truck Challenge is supported by the Michigan Automotive and Defense Cyber Assurance Team (MADCAT) - an initiative focused on promoting Macomb County and the state of Michigan as world leaders in supporting the cyber ecosystem. MADCAT's focused efforts have resulted in the development of three cyber hubs in Macomb County that offer cyber security certification courses as well as the implementation of cyber education in more than 14 local high schools.

## GEOGRAPHICAL ADVANTAGE

Macomb County offers a variety of other advantages to defense contractors, including:

- Selfridge Air National Guard Base, home to all five branches of the armed services, as well as the US Coast Guard and the Department of Homeland Security, which is one of the oldest continuously operating military airfields in the nation established in 1917. The base contributes over \$850 million to the local economy and is home to nearly 7,000 personnel and 44 tenant organizations.
- U.S. Army Garrison – Detroit Arsenal
- U.S. Army TACOM LCMC (Tank Automotive Command-Life Cycle Management Command)
- U.S. Army CCDC-GVSC (Combat Capabilities Development Center-Ground Vehicles Systems Center)
- Several defense primes including General Dynamics Land Systems, BAE Systems, and Oshkosh Defense.
- GM Defense, a new division of General Motors, that leverages the abilities of General Motors Technical Center for the development of a multi-purpose, hydrogen powered fuel cell, autonomous vehicle platform.

## LOCAL SUCCESS IN DEFENSE

### SAPA Transmission Shelby Township, MI

Founded in Spain as a weapons manufacturer in the 15th century, the company recently entered the U.S. defense market by utilizing space at Macomb County's International Landing Zone, a program that offers six months of free rent plus business services for defense organizations.

SAPA now is in the process of building a new North American headquarters in Shelby Township. The company chose the location to be close to its largest customers.

SAPA's investment will total over \$40 million to build a 150,000-square-foot plant and offices. It will also create 223 new jobs. Macomb County helped SAPA receive a performance-based grant from the Michigan Strategic Fund for \$2.7 million as well as a 50 percent tax abatement on new investment, a total incentive package for over \$5.3 million.



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