

ADVANCED TECHNOLOGY HELPS
AEROSPACE
SOAR IN WISCONSIN®



WHY AEROSPACE COMPANIES CHOOSE WISCONSIN

Companies looking to start, relocate or expand their operations in Wisconsin benefit from the state's central location, reliable infrastructure, talented workforce and business-friendly policies—all of which create competitive advantages that help businesses capitalize upon regional, national and global market opportunities.

Wisconsin's long history of innovation continues to fuel new solutions to challenges facing people, companies, nations and our very planet, with some of the most respected companies in the world drawing upon Wisconsin's plentiful natural resources, its renowned research capabilities and the can-do spirit of its citizens to grow and succeed.

The average aircraft contains hundreds of thousands of parts from hundreds of different suppliers. A national leader in advanced manufacturing, Wisconsin excels especially in the aerospace supply chain: more than 140 Wisconsin suppliers work with Boeing, providing the parts to get aircraft ready for takeoff. Over 200 Wisconsin companies have ties to the state's aerospace sector,¹ and more than 26,000 people are employed in Wisconsin by companies that support the aerospace manufacturing sector.²

What's more, Wisconsin is drawing attention from aerospace executives for its cutting-edge research and development in nanotechnology; engineering, power and control systems; and composite materials. Wisconsin offers aerospace manufacturers the infrastructure and talent necessary to reach the highest levels of production and operational excellence.

Fueling Wisconsin's ascension as a leader in aviation and aerospace innovation are its world-class university and technical college systems. Engineering and research programs in our statewide universities are providing solutions to industry challenges, including those faced by NASA. The result is a rapidly developing center of aviation and aerospace excellence in Wisconsin around which new business development opportunities are forming. The data that follow capture the benefits Wisconsin offers to aerospace companies looking to maximize their success.



EAA AIRVENTURE
OSHKOSH

¹ Companies identified through proprietary and public database sources and OEM qualified supplier lists

² Infogroup, January 2019

0.4%

WISCONSIN'S MANUFACTURING TAX RATE

Wisconsin ranks #2 nationwide in manufacturing employment concentration. Wisconsin is the only state in the nation with four manufacturing subsectors ranked #1 in employment concentration: electrical equipment, appliance and component manufacturing; fabricated metal product manufacturing; printing and related support activities; and paper manufacturing.³

³ Bureau of Labor Statistics, QCEW, Annual 2017 employment



COMPANIES WITH TIES TO THE STATE'S AEROSPACE SECTOR

Companies identified through proprietary and public database sources and OEM qualified supplier lists



Photo courtesy of EAA

TALENT

Wisconsin is well known for its industrious, Midwestern work ethic, and its educational system is universally admired. Wisconsin's high school graduation rate is consistently ranked among the top in the nation, and the University of Wisconsin System is regularly cited as a leader in terms of size and quality.

Wisconsin's public and private colleges support the resources, companies and policy makers throughout the state that are working to develop new, innovative products to fulfill market needs. And as the first state in the nation to develop a technical college system, Wisconsin has more than 100 years' experience training its workforce to fulfill ever-changing industry demands.

INFRASTRUCTURE

Wisconsin's central location and robust infrastructure give companies operating in the state one-day access to major markets throughout the U.S. and beyond. Wisconsin's roads, railways and ports provide seamless, convenient access to the world's busiest multimodal transportation hub, located just 55 miles south of the state's border.

INFRASTRUCTURE IN WISCONSIN

09 HIGHWAY SYSTEMS

State commerce and industry relies on nine major highways covering more than 11,700 miles (18,829 km) to move our goods to market. Our interstate system connects us to major industrial cities across the U.S.

13 RAILROAD LINES

Rail traffic throughout the state continues to grow and move more than \$160 billion in freight each year, creating a seamless link in the nationwide intermodal system. Amtrak travels between Chicago and Milwaukee multiple times daily.

08 COMMERCIAL AIRPORTS

Eight commercial airport locations serving major industrial and metropolitan areas statewide. These airports are served by all major carriers, linking to every point in the nation within one business day. In addition, these larger airports are within driving distance:

CHICAGO: O'Hare is American's second largest hub, with 963 domestic flights daily to 153 U.S. cities and more than 100 direct flights daily to 55 international destinations.

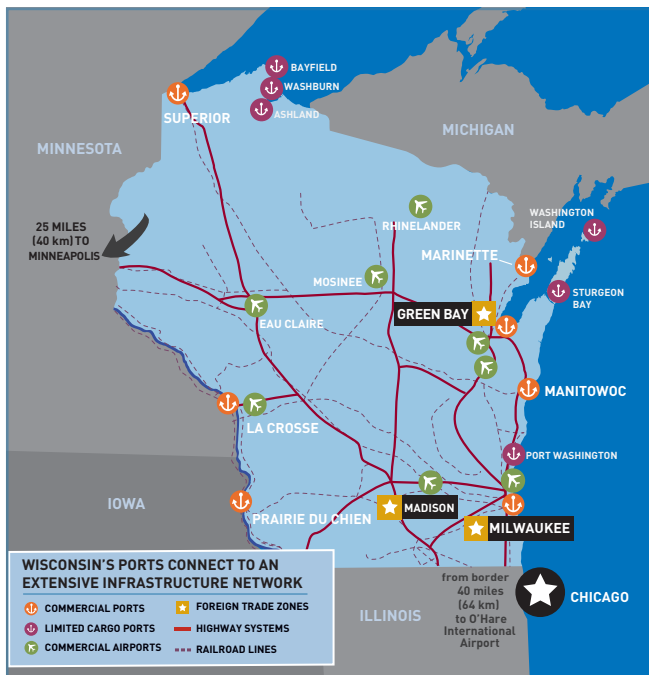
MINNEAPOLIS: 135 nonstop flights including 115 domestic and 20 international markets.

13 COMMERCIAL PORTS

Uniquely situated on the nation's greatest waterways, Wisconsin ships approximately 30 million tons of product from commercial cargo ports and 6 limited cargo ports located along Lake Michigan, Lake Superior and the Mississippi River.

03 FOREIGN TRADE ZONES

Companies located in one of our three Foreign Trade Zones (FTZs) can import merchandise (by truck, rail, air or boat) without going through formal customs entry procedures or paying import duties. These companies have the option to pay tariffs after their product inventory is sold, improving cash flow and saving money. Other benefits include, but are not limited to: global market competitiveness, minimized bureaucratic regulations, and improved supply chain efficiencies.



INDUSTRY LEADERSHIP

A LANDMARK ANNUAL EVENT

Wisconsin's annual **EAA AIRVENTURE** event brings in more than 600,000 aviation enthusiasts from more than 85 countries. This premier airshow exposes visitors to the latest aviation innovations while creating a forum for discovery for industry participants. The event attracts corporate leaders, enthusiasts and government officials, providing education and entertainment to all. AirVenture is a true Wisconsin summer highlight that showcases the state's dedication to the aerospace industry as well as its spirit. The Experimental Aircraft Association, which hosts AirVenture, is headquartered in Oshkosh, and for one week each year, the Oshkosh airport becomes the busiest in the world.

The Washington, D.C.-based General Aviation Manufacturing Association has selected Wisconsin as the location of its **AEROSPACE AND CYBERSECURITY CENTER OF EXCELLENCE**. The new center will focus on embedded integrated technologies and cybersecurity applications. Wisconsin companies are donating simulators for conducting research and testing on topics such as how to protect flight navigation systems from being hacked. Although Milwaukee-based Astronautics will be the primary user, the simulator will also be available for use by other Wisconsin companies, as well as students pursuing education in aerospace, engineering and computer science.



Over the last several years, Wisconsin has assumed a leadership role in the **AEROSPACE STATES ASSOCIATION (ASA)**, a bipartisan organization of lieutenant governors and delegates appointed by U.S.

states. The organization was formed to promote a state-based perspective in federal aerospace policy development and support state aerospace initiatives that enhance student/teacher education, outreach and economic development opportunities. Recognizing that aviation and aerospace competitiveness is vital to U.S. economic security and wellbeing, the ASA aims to mobilize industry within its member states, work with federal agencies, inform the media and bring together state Congressional delegations. Among other current initiatives, the ASA is working with Intelligent Manufacturing Systems, an international industry group focused on research and development as well as innovation, to develop a series of workshops to help U.S. manufacturers improve their productivity by implementing Industry 4.0 processes.



WISCONSIN AEROSPACE PARTNERS supports organizations engaged with the aerospace industry in Wisconsin by establishing a strong network and support system designed to grow the economic vitality of the state and the aerospace industry. With grant funding from the Wisconsin Economic Development Corporation, the organization will be conducting a detailed analysis of the companies that make up Wisconsin's aerospace and aviation sector and creating a plan for the sector's future development so that technical resources can be aligned to help Wisconsin companies to excel in the industry.

AeroInnovate™

AEROINNOVATE, formed in Wisconsin in 2007 by a small group of aerospace visionaries at the University of Wisconsin-Oshkosh, further distinguishes the state's industry leadership. This program helps aerospace innovators around the world—from investors and entrepreneurs to researchers and academics—connect, share and commercialize their ideas.

Along with other states, Wisconsin's aerospace cluster is working with the U.S. Economic Development Administration to develop a **GREAT LAKES AEROSPACE CONSORTIUM**. Wisconsin and Ohio have been identified as the pilot sites, due to assets such as the Ohio Aerospace Institute and the Cleveland-based NASA Glenn Research Center (in Ohio) and EAA AirVenture, AeroInnovate and Wisconsin Aerospace Partners (in Wisconsin), as well as academic assets in both locations. At each pilot site, area companies will be able to work closely with leading researchers and access state-of-the-art equipment to pursue innovation that further advances the industry in the Great Lakes region.

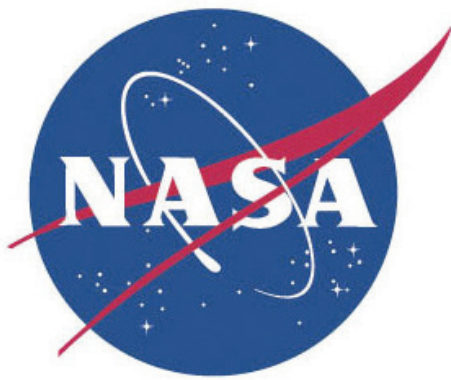


SIERRA NEVADA CORPORATION (SNC) operates a non-toxic rocket engine test facility in the former Badger

Ammunition Plant, a state-of-the-art facility that enables testing of small-to-medium rocket engines for government and private sector needs. The facility has multiple test cells with the capacity for testing hybrid and liquid rocket engines. SNC's smaller engines provide up to 1,000 pounds of thrust for guidance of vehicles and spacecraft in orbit and at high altitude. Planning is under way for next-generation engines to support entry into orbit at about 50,000 pounds of thrust.



High school, undergraduate and graduate students had the chance to discover internship and career options, as well as academic program options, at Aerospace Jam held in conjunction with a Milwaukee Bucks game.



In October 2018, the Wisconsin Economic Development Corporation, Wisconsin Aerospace Partners, Gulfstream, the Greater Oshkosh Economic Development Corporation, the NASA Wisconsin Space Grant Consortium and the Wisconsin Center for Manufacturing and Productivity collaborated to host an event that brought together aerospace companies with high school, undergraduate and graduate students to give the students a chance to learn how STEM education can prepare them for career opportunities in aerospace and aviation. Held for the second year in conjunction with a Milwaukee Bucks basketball game at the new Fiserv Forum, the event drew 162 students, offering the opportunity to explore career and college program options and to learn from an expert panel including scientists and executives about the path to aerospace industry success.

WISCONSIN ranks above the national average for employment concentration in eight different professions relating to aerospace:

- Industrial engineers
- Machinists
- Maintenance and repair workers
- Tool and die makers

Specific to metal and plastics:

- Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders
- Computer numerically controlled machine tool programmers
- Lathe and turning machine tool setters
- Multiple machine tool setters

WISCONSIN has some of the highest employment concentrations in the nation for the following manufacturing subsectors:

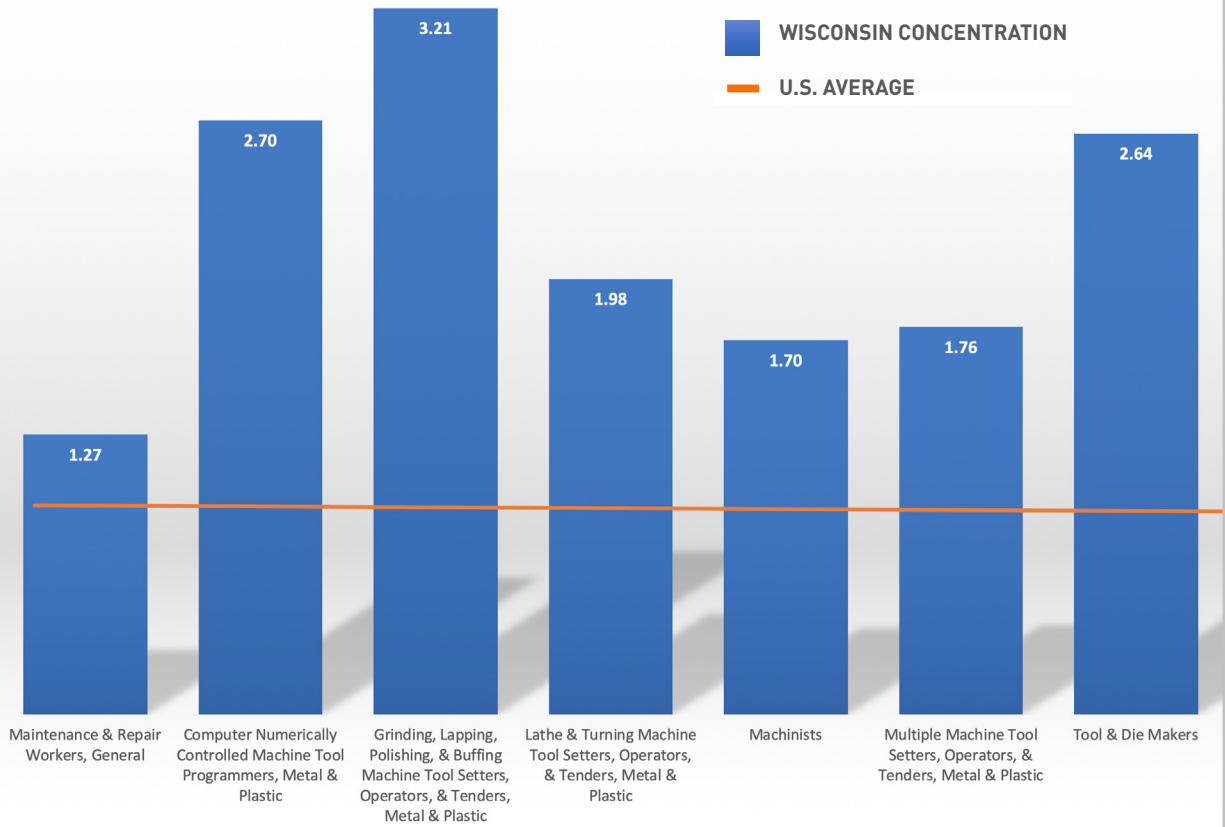
#1

- Fabricated metal product manufacturing
- Electrical equipment, appliance and component manufacturing

#2

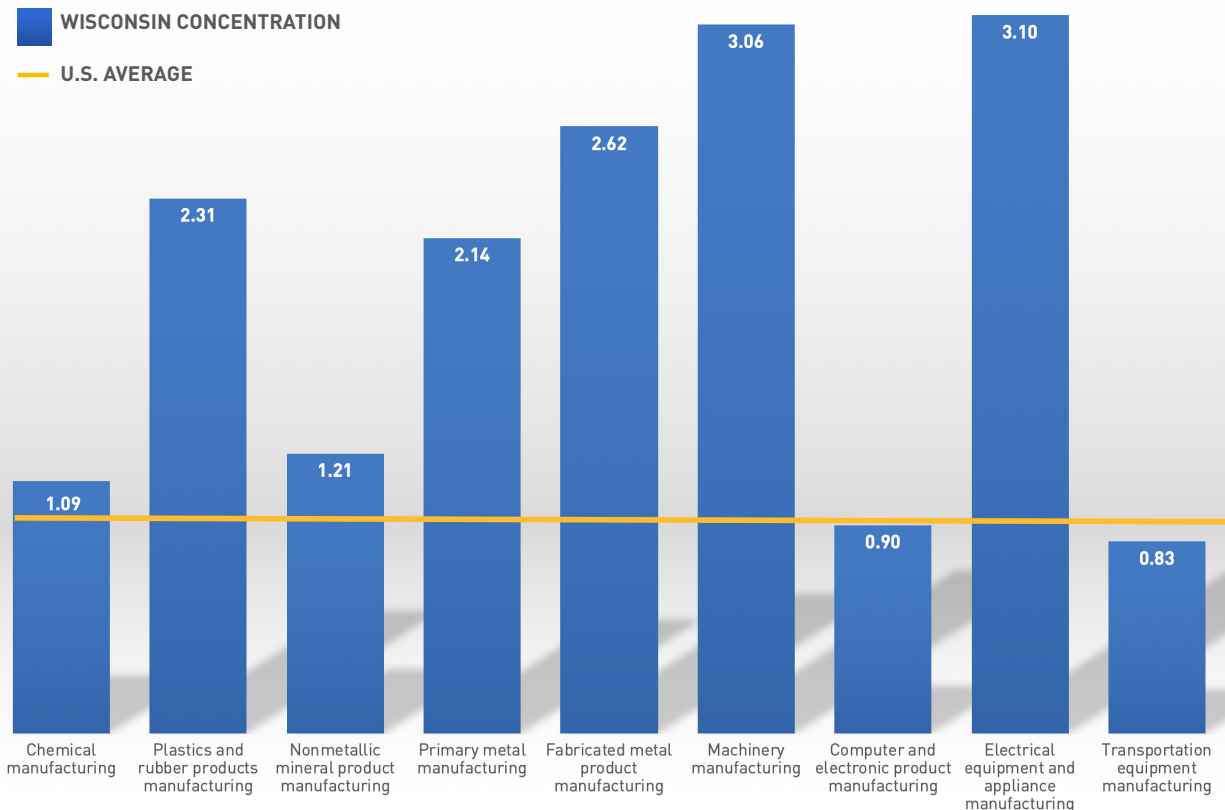
- Machinery manufacturing
- Plastics and rubber products manufacturing

EMPLOYMENT CONCENTRATION IN OCCUPATIONS RELEVANT TO AEROSPACE



Source: Bureau of Labor Statistics, Occupational Employment Statistics, May 2018

WISCONSIN MANUFACTURING EMPLOYMENT CONCENTRATION



Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages, Annual 2017 employment

CONCENTRATED EXPERTISE: WISCONSIN COMPANIES ACTIVE IN AEROSPACE

Ace Precision Machining
 Ace Precision Machining Corp
 Adron Tool Corp
 Advanced Engines Development
 AED Superstore
 Aeromotors LLC
 Aimtron Systems LLC
 Air Cargo Carriers Inc
 Air Space Inc
 Aldrich Chemical Co
 Aldrich Chemical Co Inc
 Amalga Composites Inc
 Amera Gear Co
 American Champion Aircraft Crp
 Apex Embedded Systems
 Applied Fab & Machining
 Arbon Equipment Corp
 Associated Spring
 Astronautics Corp Of America
 ATI Forged Products
 Automated Vision LLC
 Aviation Resources
 Avitek Aerospace Industries
 Aztalan Engineering Inc
 Badger Paperboard
 Basler Turbo Conversions LLC
 Bloomer Plastics Inc
 Brady Corp
 Brandt Innovative Technologies
 Bruker AXS Inc
 Bushman Equipment Inc
 Carlisle Interconnect Tech
 Cedor
 Cessna Aircraft Co
 Cessna Aircraft Co Citation
 Cizion LLC
 Collins Aerospace
 Comply365
 Computherm LLC
 Copper Beryllium Alloys
 Cordstrap USA
 Cotta Transmission
 Custom Fiberglass Molding
 Cycogs LLC
 D & K Coating Technologies
 D D Sling & Supply
 Davis Steel Building Inc
 Dawley Aviation Corp
 Dedicated Computing
 Dedicated Computing LLC
 Deltahawks Engines
 Derco Aerospace Inc
 Donaldson Co
 DRS Power & Control Tech
 Ducommun Labarge Technologies
 Dynamic Displays Inc
 Dynatect Manufacturing Inc
 Dynatronix Inc
 Eagle Fuel Cells Etc Inc
 Eaton Corp
 Eck Industries Inc
 Eckmann Custom Metal Stamping
 Elder Frederick T & Assoc
 Electrotek Corp
 Ellsworth Adhesive System
 Ellsworth Adhesive Systems
 Ellsworth Adhesives
 Elwood Corp
 Emteq Inc
 Engineered Propulsion Systems
 Esker Technologies
 Esterline Avista Engrng Svc
 Euro-Tech Corp
 Extreme Engineering Solutions

Five Star Plastics
 Fives Giddings-Lewis Mach Tls
 Flitz International LTD
 Focused Solutions
 Fox Valley Tool & Die Inc
 Frederick T Elder & Assoc
 Gales Manufacturing Corp
 GFS Machining Inc
 GILMAN USA LLC
 Giuffre Brothers Cranes Inc
 Global Finishing Solutions LLC
 Gulfstream Aerospace Corp
 Helicopter Specialties Inc
 Hentzen Coatings Inc
 Honeywell
 Hudapack Heat Treating
 Impreglon Cellramic
 Inklein ENGINEERING LLC
 Instrument Development Corp
 Iseli Co
 J W Winco Inc
 Jade Electronics Inc
 Jet Air Group
 Jet Machines Extreme
 JET Technologies
 Johnson Controls Inc
 Kenosha Aero Inc
 KLH Industries Inc
 L K Precision Co
 Latitude Corp
 Libert Machine Corp
 M2M Group
 Marine Travelift Inc
 Materion Advanced Materials
 Mayville Engineering Co
 Mayville Engineering Co Inc
 Mayville Engineering M E C
 McNally Industries LLC
 Metal Working Systems
 Metaltek International
 Metaltek International Inc
 Middleton Research
 Midwest Thermal Vac Inc
 Miller Machine LLC
 Morey Airplane Co
 Moxness
 MTI Electronics Inc
 MTX/Oaktron
 Multicircuits
 Multicircuits Inc
 Myers Aviation Inc
 National Rivet & Mfg Co
 NDT Solutions
 Ndt Solutions Inc
 NEL Frequency Controls Inc
 New View Technologies
 Nobles Worldwide Inc
 Norco Manufacturing
 Northwire Nwi Lab360
 Omega Industrial Products Inc
 ORBIS
 Orbital Technologies Corp
 Owens Industries Inc
 Patriot Taxiway Industries Inc
 Pentair Flow Technologies
 Pho-Tronics
 PIC Wire & Cable
 Pierce Manufacturing Inc
 Plasma Coatings
 Plastic Molded Concepts Inc
 Plexus Corp
 Plymouth Tube Co
 Pointe Precision Inc
 Precision Machine Inc

Precision Plus
 Precision Screw Thread Corp
 Precision Welding & Machine
 Proto One Mfg LLC
 Prototype Solutions Group Inc
 Quality Assembly & Logistics
 Quantum Devices
 R Stresau Laboratory Inc
 Radyne Corp
 Rapco
 Rapco Fleet Support
 Reich Tool & Design Inc
 Rex Systems
 Rexnord Corp
 Riverside Machine & Engrng Inc
 Rockwell Automation Inc
 Runzheimer International LTD
 S 3 Repair Svc LLC
 Schenck Process
 Schunk Graphite Technology
 Scooter Software
 Senior Flexonics
 Servo Instrument Corp
 Skycom Avionics Inc
 Snap-On Industrial Brands
 Softwareone Inc
 Sonex Aircraft
 Sonoplot Inc
 Specialty Coating Systems
 Standex International Corp
 Sterling Aviation
 Storage Battery Systems LLC
 Strohwig Industries
 Sullivan Manufacturing Corp
 Swiss Tech Coatings Inc
 Swiss-Tech LLC
 Synchrotek Inc
 T Ab Products Co
 Tab Products Co LLC
 Tanis Brush
 Tanis Brush Mfg
 Taurus Tool & Machine
 Team Industrial Svc Inc
 Tecomet Inc
 Teklynx Americas Inc
 Telford Aviation Inc
 Thermach Inc
 Thermal Spray Technologies Inc
 Thermo Fisher Scientific Inc
 Therm-Tech Of Waukesha Inc
 Tip Technologies Inc
 Topper Inc
 Traceamatic
 Trace-A-MATIC Corp
 Tracer Repair & Overhaul Inc
 Tri City Mfg Co Inc
 Trico Corp
 TUG Technologies
 Turbine Technologies LTD
 U-Fuel
 U-Line Corp
 United Gear & Assembly Inc
 Vacuum Technologies Inc
 Wag Aero
 Walker Stainless Eqpt-Elroy
 Walker Stainless Equipment Co
 Watson Industries Inc
 Waukesha Foundry
 Waukesha Foundry Employees Cu
 Waukesha Metal Products
 West Bend Air Inc
 Whitney Fiber Glass
 Wi2wi Inc
 Winona Pattern & Mold
 Winslow Engineering Inc
 Wisconsin Metal Parts Inc
 Wisconsin Oven Corp
 Wm Berg Inc
 Woller Precision Machine LLC
 Zen's Manufacturing Inc

CUTTING-EDGE ACADEMIC PROGRAMS AND INDUSTRY-ACADEMIC COLLABORATIONS

Wisconsin is home to 17 engineering-related schools, with training that spans from engineering certificates awarded by two-year technical colleges to doctoral degrees at four-year institutions. With programs that range from mechanical design and industrial mechanics to four-year programs in electrical engineering, mechanical engineering, computer engineering and industrial engineering, students are learning the skills necessary to compete and be successful in the global economy.

The **WISCONSIN REGIONAL MATERIALS AND MANUFACTURING NETWORK**, a collaborative effort among nine UW campuses with industry partners, works to enhance research, education and industrial development in materials science.



The **GRAINGER INSTITUTE FOR ENGINEERING** serves as an incubator for trans-disciplinary research conducted in the UW-Madison College of Engineering. The institute is designed to allow the college to be nimble in identifying critical research areas and rapidly growing those areas into self-sustaining thrusts. Currently, researchers in the institute are focusing on advanced manufacturing and materials discovery and sustainability.

The **ADVANCED MATERIALS INDUSTRIAL CONSORTIUM** gives commercial partners the opportunity to collaborate with students and faculty in advanced materials research across the UW-Madison campus. The consortium facilitates interactions through meetings and open house events, B2B networking opportunities, early access to student and postdoctoral researchers, facilitated access to shared instrumentation, sponsored research, facilities use agreements, a fellowship program and consulting opportunities.



UNIVERSITY of WISCONSIN-MADISON



The **SPACE SCIENCE AND ENGINEERING CENTER (SSEC)** at the University of Wisconsin-Madison is a research and development center focusing on geophysical research and technology to enhance understanding of the earth's atmosphere, the other planets in the solar system, and the cosmos. The center develops and demonstrates new observing systems for spacecraft, aircraft and ground-based platforms. It receives, manages and distributes significant amounts of geophysical data and develops software to visualize and manipulate these data to gain insight into weather and climate, as well as atmospheric processes and phenomena. In addition to conducting its own research, producing algorithms, creating products and improving forecast models, the center is committed to sharing its efforts, tools and knowledge with the larger research community and scientists around the world.

The **CENTER FOR QUICK RESPONSE MANUFACTURING** is a partnership between companies, faculty and students at UW-Madison dedicated to the research and implementation of lead time reduction principles. Its goal is to help member companies reduce lead times in all areas of their operations to become more efficient and profitable in the increasingly competitive global marketplace.



The **COOPERATIVE INSTITUTE FOR METEOROLOGICAL SATELLITE STUDIES**, part of the SSEC, conducts cutting-edge research while fulfilling its three-part mission to foster collaboration among NOAA, NASA and the University; serve as a center of excellence in weather and climate studies; and train the scientists and engineers of today and tomorrow.

The **ENVIRONMENTAL REMOTE SENSING CENTER**, also part of the SSEC, was one of the first remote sensing facilities in the U.S. Since its establishment in 1970, it has been highly regarded internationally for the development and application of cutting-edge remote sensing and geospatial technologies to improve the understanding of environmental systems.



The UW-Milwaukee **CENTER FOR COMPOSITE MATERIALS AND SOLIDIFICATION PROCESSING LABORATORY** was established to provide a link between the materials processing industry and UW-Milwaukee and to serve as a resource for the development of advanced composite materials. The main missions of the center include the education and training of engineers to supply industry; research and development of new composite materials and processing methods; and outreach to the community at large to encourage and facilitate the development and use of composite materials. Current research efforts include the solidification synthesis and characterization of metal matrix-nanoparticle and nanotube composites; aluminum-silicon carbide composites for lightweight brake rotors and computer components, currently being manufactured at Eck Industries in Wisconsin; composites with improved machinability and self-lubricating composites; ultralight metals incorporating hollow microballoons that have applications in automotive and small engines, as well as in the biomedical industry; and active and self-healing metal matrix micro- and nanocomposites.

The **LABORATORY FOR SURFACE STUDIES** works to recognize, facilitate and encourage experimental and theoretical research by UW-Milwaukee scientists on the physical properties of surfaces and systems with reduced dimensionality at the nanoscale. Its facilities include an advanced analysis facility that provides broad analytical service in materials analysis (e.g., x-ray diffraction (XRD), electron spectroscopy for chemical analysis, scanning electron microscopy, atomic force microscopy, Fourier transform infrared spectroscopy and Raman spectroscopy); a single crystal preparation laboratory; synchrotron-based infrared microscopy; scanning electron microscopes; a high-resolution transmission electron microscopy lab; a magnetic properties measurement system; an MBE-STM system; a VG 4" MBE system; an AFM/STM chamber; a RAIRS chamber; a LEIS/LEED high-pressure cell chamber; a UHV tribometer; and an XPS chamber.

The **MILWAUKEE INSTITUTE** is an independent, nonprofit research, education and public policy organization whose goals are to provide world-class technical computing, storage, communications and collaboration facilities in support of economic development through scientific, engineering and technology leadership in the Great Lakes region, and particularly in southeast Wisconsin. The institute holds the largest publicly

accessible supercomputing resource of its kind in the state, and is the exclusive provider of high-speed computing services for UW-Milwaukee's Innovation Campus, allowing users to simulate, model, visualize and analyze complex applications in areas ranging from product development to engineering and research.

WISCONSIN SPACE GRANT CONSORTIUM is affiliated with NASA and helps to fund interdisciplinary education programs from elementary through university to support education, research, and informal training related to aeronautics, space science, and technology.

WISDOT BUREAU OF AERONAUTICS partnered with EAA to launch an initiative to aggregate the K-12 STEM initiatives in Wisconsin to grow programs, student access, and increase collaboration between industry and education partners.



The Wisconsin Manufacturing Extension Partnership's **SUPPLY CHAIN ADVANTAGE PROGRAM** brings improvement services to suppliers in order to enhance the performance of small and midsize suppliers to OEMs and military contractors.



IN 2017, **WISCONSIN'S** COLLEGES AND UNIVERSITIES AWARDED MORE THAN

4,500



IN ENGINEERING AND ENGINEERING TECHNOLOGY FIELDS, INCLUDING CERTIFICATES, ASSOCIATE, BACHELOR'S AND ADVANCED DEGREES.

Source: National IPEDS database published by the U.S. Department of Education's NCES

WISCONSIN

ASTRONAUTICS

Milwaukee

Founded and headquartered in Milwaukee, with 1,400 employees. Key product areas include displays, servers and computers, system integration and custom software for critical aerospace and defense applications. Serves all the major aerospace manufacturers and suppliers, the U.S. government, more than 85 airlines and 90% of the world's defense and security forces.

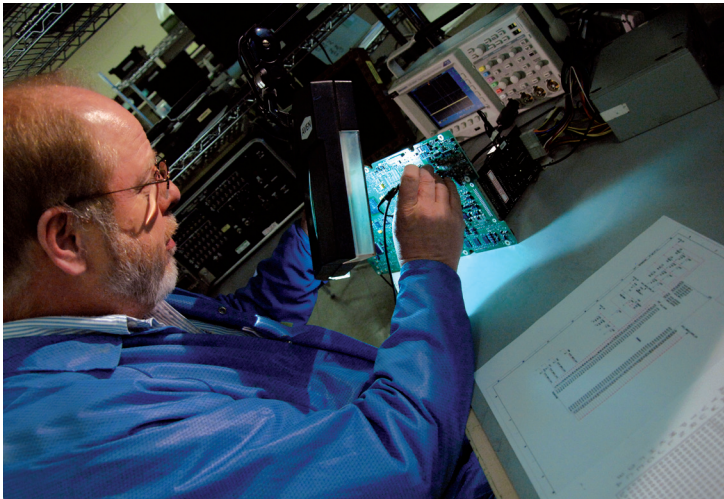


Photo courtesy of Astronautics

DERCO AEROSPACE

Milwaukee

Founded in Wisconsin and acquired in 2015 by the Sikorsky division of Lockheed Martin, Milwaukee-based Derco provides logistics and technical support for fixed-wing aircraft. The company is an industry leader, offering a suite of fleet management solutions including spares distribution, logistics solutions, repair and overhaul services and technical solutions. Derco supports global military efforts in over 65 countries and maintains one of the largest and most diversified aircraft spares inventories in the world, with more than 75,000 unique parts in stock.

GULFSTREAM

Appleton

Gulfstream Aerospace Corp. announced in 2018 that they will invest \$40 million in a 180,000-square-foot maintenance, repair and overhaul facility in Appleton, which will boost the number of employees there to over 1,000. The Appleton facility meets operators' most advanced maintenance needs and doubles as a completion center for large-cabin aircraft, resulting in a broad range of expertise. Gulfstream, a wholly owned subsidiary of General Dynamics, designs, develops, manufactures, markets, services and supports the world's most technologically advanced business-jet aircraft. Gulfstream has produced more than 2,800 aircraft for customers around the world since 1958.



Photo courtesy of EMTEQ

COLLINS AEROSPACE

New Berlin and Peshtigo

Collins Aerospace, a unit of United Technologies Corp. (UTC), is a leader in technologically advanced and intelligent solutions for the global aerospace and defense industry. Created in 2018 by bringing together UTC Aerospace Systems and Rockwell Collins, Collins Aerospace has the capabilities, comprehensive portfolio and expertise to solve customers' toughest challenges and to meet the demands of a rapidly evolving global market. UTC's facility in Peshtigo was formerly part of DeCrane, and primarily produces aircraft seats. The facility in New Berlin, originally founded as Emteq and then becoming part of B/E Aerospace before being acquired by Rockwell Collins, conducts R&D and product testing.

AEROSPACE COMPANIES

FIVES, GIDDINGS & LEWIS

Fond du Lac

Established in 1895, Giddings & Lewis was acquired by the Fives Group in 2012. The company specializes in custom engineering solutions for high-quality, large part subtractive manufacturing equipment. It services a number of industries, with aerospace gaining prominence since the decline of the oil industry.



Photo courtesy of Fives, Giddings & Lewis

ORBITEC (SNC)

Middleton

Sierra Nevada Corporation's (SNC's) Middleton-based office, formerly known as ORBITEC, specializes in propulsion and environmental systems for a variety of space applications. SNC continues to provide non-toxic, high-performance propulsion systems at a low cost. Complete systems are available for environmental control, including air and water processing, thermal management, waste management, cabin instrumentation and science or payload systems. ORBITEC's unique capabilities stem from 29 years of research in environmental control and life-support systems for NASA. This includes continued work on next-generation plant growth systems for long-duration space habitats.

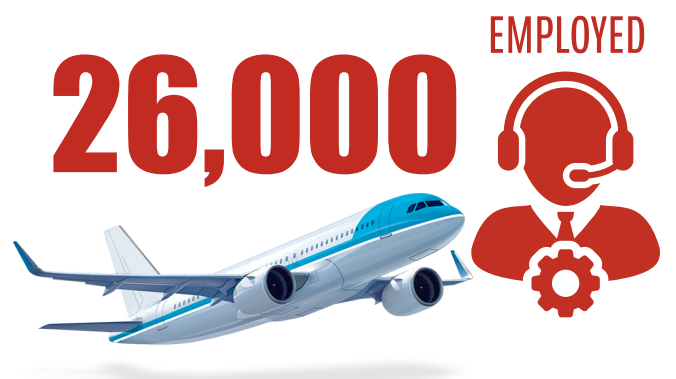
PLEXUS

Neenah

Established in 1979, Plexus is a leader in providing electronics design, manufacturing and aftermarket services to companies with mid-to-low-volume, higher-complexity products. Based in Neenah, the company provides a seamless value stream services model, or 'Product Realization Value Stream,' for customer products while meeting or exceeding all technological, quality and regulatory requirements demanded by the defense, security and aerospace industries.



Photo courtesy of Plexus



BY COMPANIES THAT SUPPORT THE AEROSPACE
MANUFACTURING SECTOR

Source: Infogroup, January 2019

The Wisconsin Economic Development Corporation (WEDC) leads economic development efforts for the state by advancing and maximizing opportunities in Wisconsin for businesses, communities and people to thrive in a globally competitive environment. WEDC provides resources, operational support and financial assistance to companies, partners and communities in Wisconsin. WEDC achieves its mission through initiatives driven by five strategic pillars: business development; community and economic opportunity; strategic economic competitiveness; state brand management and promotion; and operational and fiscal excellence. Working with more than 600 regional and local partners, WEDC develops and delivers solutions representative of a highly responsive and coordinated economic development network.

Visit **InWisconsin.com** to learn more.



WISCONSIN ECONOMIC DEVELOPMENT CORPORATION

201 W. Washington Avenue ■ Madison, WI 53703 ■ 855-INWIBIZ

May 2019