

Van Becelaere Machine

Van Becelaere is a full service CNC job shop with CNC milling, turning and grinding capabilities. Housing 11 CNC horizontal machining centers with four of those being 630mm size machines and 9 CNC vertical machining centers with the largest envelope being 30"x30"x60". The firm has 14 CNC lathes with up to 18" turning capacity. The firm has experience in products for the oil/natural gas industries and capacity to produce for the wind energy sector. At this time, the quality system is in compliance with ISO-9001: 2000 while the firm works towards full certification.

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Training, Education and Research:

Crowder College

Crowder College was designated by the Missouri legislature in 1992 as the state center for renewable energy education. The resulting Missouri Alternative and Renewable Energy Technology (MARET) Center is recognized internationally for its contributions to the energy field. It hosts an annual conference and provides certificates and degrees in Wind, Solar, Biofuel, and Green Build technologies. All these programs are provided face-to-face and online - with labs and internships coordinated with local partners. The college's Wind program has a 65 KW turbine where the MARET center also conducts applied research, provides non-credit training and assists in business incubation and new product development.

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Missouri Southern State University

Missouri Southern is proud to host the Missouri Center for Advanced Power Systems Research on campus. This is a collaborative effort among four state universities: Missouri University, Columbia; Missouri University of Science and Technology, Rolla; Missouri State University, Springfield; along with Missouri Southern State University to provide an educational minor in *Advanced Power* and joint research opportunities. Its purpose is to provide the facilities and equipment that will facilitate, enhance and promote the development of educational curriculum, basic research and training, building a regional workforce skilled in advanced power systems.

Dr. Tia Strait, Dean of Technology
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Pittsburg State University

The longstanding relation between business and industry and PSU is one of the University's greatest strengths. This dynamic relationship has helped make PSU College of Technology one of the prestigious technology schools in the nation. The Kansas Technology Center's partnerships with business and industry range from major national and international companies such as Boeing, Raytheon, Toyota, Ford and Caterpillar. Workforce training is completed in both customized in-plant and classroom methods. Pittsburg State University is committed to building a workforce and management team that will make your company competitive now and in the future.

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www.pittstate.edu/college/technology/kansas-technology-center.
dot

Transportation & Logistics Support:

Standard Transportation Services

Standard is a full service freight carrier and warehouse operator capable of serving the many logistics needs of the wind energy supply chain. The company has full and LTL service throughout the U.S. and provides freight forwarding/brokering. Standard operates 809,000 sq. ft. of warehouse space as direct lease or 3PL for short and long-term storage. The firm also has rail/truck trans-loading services.

Morris Glaze, Sales
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Tri-State Motor Transit Company

Tri-State Motor Transit Company, in business since 1931, specializes in overweight and/or oversize loads and operates in all lower 48 states and Canadian provinces. TSMT holds all authorities, certificates, and hazardous special commodities that the Department of Transportation allows for delivery over the nation's highways. Tri-State maintains a variety of vans, flats, steps, double drops and Rgn trailers. All Tri-State drivers are hazmat certified. TSMT is a multi-year member of the Specialized Carriers & Riggers Association.

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Wind Energy Industry Suppliers Directory



The Joplin Region, of southwest Missouri and southeast Kansas, offers a strong base of supplier support for the OEM's and other companies in the wind energy industry. A strong, skilled workforce; easy, efficient transportation; and proximity to the U.S. wind corridor states help make companies in the Joplin Region a good choice when seeking suppliers.

In particular, the Joplin Region provides a strong base of metal fabrication and precision machining companies. The area has nearly double the level of total workforce employment in these skills compared to the U.S. and Missouri and Kansas averages. In addition, the region has key companies in fiberglass products and electrical and electronics components. Specialized transportation and logistics firms provide effective service from suppliers to customers.

Also, the region offers strong training opportunities for the area firms, as well as companies seeking to recruit key employees.

A number of area firms are already in the wind energy or alternative energy sectors or have the workforce, equipment and financial capacity to become suppliers.

Joplin Regional Partnership

Kevin Welch, Director

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Manufacturing Suppliers:

Able Manufacturing and Assembly

(Great Lakes Wind Network Member)

Able is an established supplier to the wind power industry. The company specializes in open and closed mold composite fiberglass fabrication; metal fabrication and welding; thermoform plastic production; product assembly and finish paint. Able is one of the largest suppliers of custom molded fiberglass products located in the Midwest and has extensive experience working with U.S., European and Asian firms. Able Manufacturing is ISO 9001:2008 certified.

Tom Catterson, Sales Manager
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Anvil Fabrication

(Great Lakes Wind Network Member)

Anvil is an engineering, design and fabrication company offering proto-type and production services. The company offers precision machining of parts and fabrication and welding of projects in aluminum, carbon steel and stainless steel. The firm designs and engineers electrical, pneumatic and hydraulic controls. The company also offers a line of custom designed and fabricated packaging equipment.

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ATEC Steel Fabrication and Construction, LLC

(Great Lakes Wind Network Member)

ATEC Steel Fabrication and Construction, LLC is a full service industrial contractor specializing in above ground storage tanks, ASME pressure vessels and specialty steel fabrication. Our products and services are utilized in the Renewable Fuels, Petroleum, Power, Water, Wastewater and General Construction Industries. With over 160,000 square feet of fabrication space we have the in house capabilities of burning, squaring and rolling cylinders up to 1 ½” thickness. We also provide environmentally controlled blasting and coatings within our facility.

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Celltron Inc.

Celltron is a supplier of electrical wiring harnesses, cable assemblies, and electro-mechanical sub-assemblies for commercial, industrial, and military customers. The firm employs 400 people in a 60,000 SF facility. The company is AS9100 certified and operators are trained to ANSI-J-STD-001 and IPC standards. Celltron also maintains an experienced engineering staff to assist customers with designing their wiring requirements.

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C.N.C. Machine Products, Inc.

CNC Machine is an established supplier to the wind power industry. Since 1988, CNC Machine has been producing quality precision machined parts for the aerospace and automotive sectors. CNC is currently machining inner and outer bearing races for the wind turbine industry. CNC is an ISO 9000: 2008 approved manufacturing facility employing more than 100 people. The company has a long history of working with global corporations including those from Europe and Asia.

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Schaeffler Group USA, Inc. - FAG Joplin Operations

For more than 40 years, FAG Bearings has produced precision ball and roller bearings for heavy industry, mining, power transmission, railway, and other transportation industries at its Joplin facility. As a global leader in the wind energy industry, Schaeffler Group has positioned the Joplin operations to be a key central U.S. facility with significant capacity to produce large-size bearings up to 900mm in outer diameter for turbines and gearboxes. Joplin operations has ISO 9001:2008 and AAR-M1003 certified manufacturing systems, as well as ISO 14001 and OHSAS 18001 Environmental certification.

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General Steel Fabricators

General Steel Fabricators (GSF) is one of the oldest steel fabrication shops in the Midwest; was established in 1915 as a supplier to the regional zinc mining industry which, GSF power generation plant equipment, oil well derricks and masts, petroleum field equipment, and conveyor equipment for heavy/abrasive materials. All GSF welders are certified to AWS standards. As of May 2010, GSF has gone 4 years without a lost time accident. General Steel has a 120,000 sq. ft. of manufacturing facility.

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Leggett & Platt (NYSE: LEG)

(Great Lakes Wind Network Member)

Leggett & Platt is a Fortune 500 diversified manufacturer that conceives, designs, and produces a broad variety of engineered components and products. Although not currently in the wind power industry, the firm's capabilities position it to be a strong value-added partner. The **Machine Products Group** consists of four operations in Missouri, China, Mexico, and Croatia. The U.S. operation is LP9000, ISO9001 and AS9100 certified. Quality is assured through the use of advanced equipment and processes including: automated machine lines, CNC 5-axis machining, CNC horizontal machining, and CNC vertical machining.

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Mid-America Precision Products

Mid-America is a precision metal fabrication company with experience in military, aerospace, aircraft and high quality commercial applications. The firm operates four facilities in southwest Missouri, offering scalability and flexibility of production needs. Metal fabrication ranges from sheet metal cabinets, racks and enclosures to precision machined aircraft and satellite components. The company offers wet and powder paint capability and Electroless nickel, zinc and chemical film plating. Mid-America is ISO 9001 and AS 9100 certified.

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Midcon Cables Company

Midcon provides special purpose organized flat wiring for electrical cable assemblies and harnesses featuring EverFlex technology. Midcon products are ideally suited for electrical enclosures and electro-mechanical applications, particularly small and/or crowded spaces that can benefit from organized wiring. Midcon is a preferred supplier in the aerospace industry and has capacity to engineer, test and/or produce products for the wind energy sector. Midcon is AS9100 and ISO 9001 registered.

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Midwest Tool, Inc.

Midwest Tool is a diversified metal fabrication shop with unique heavy machining capabilities and capacities. Machining capabilities and capacities include but are not limited to: 1) CNC Vertical Turret Lathe Capacity of 60” Vertical x 88” Diameter 2) CNC Horizontal Milling Capacity up to 96” Vertical X 140” Horizontal and 3) CNC Horizontal Turning Lathe with Live Milling Capacity up to 26” Diameter X 122” Length. The firm has heavy crane capacity allowing it to fabricate large parts and assemblies.

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Progressive Products, Inc.

Progressive Products is an established supplier to the energy sector. Much of the firm's recent production has been components for clean coal technology used in power generation plants. The company has production capacity for other applications, including wind. All welders are AWS certified. The company's 60,000 sq. ft. facility has shearing, rolling, breaking, high definition plasma, assembly, and wet paint capabilities. Progressive also has CNC mills and lathes for the production of precision machined parts.

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