



Feb-March 2009

ADISCO, INC., A CONNECTICUT-BASED MACHINING FIRM, IS RELOCATING TO NCC

Adisco, Inc., which does machining of plastic parts, has joined the National Composite Center (NCC) as a partner member and is moving its manufacturing operations from Connecticut to the Center's headquarters facility. "We're expanding the operation and starting a division in Ohio," said Vice President Richard Koczera.

The East Berlin, Conn., company currently employs eight. Three employees will make the move and two more will be hired in Ohio when Adisco starts up operations this month. The

company will maintain its information technology and sales operations in East Berlin.

Adisco specializes in computer numerical controlled machining. It makes components for the medical device and analytical systems, as well as polymer flow cells for fluidics and chromatography applications. Its capabilities include fusion polymer bonding and vapor polishing. Adisco also does aerospace and defense work.

Koczera said that the company started talking with NCC and various Ohio groups

in October, and signed a lease on March 30. He cited a variety of reasons for the move, including the local workforce, the ability to foster networking and increased exposure thanks to the composite center, and support from state, regional and local organizations.

The company has purchased a Nomura 8-axis CNC lathe that will be installed in the Ohio space. Adisco plans to create 50 jobs in the next three to five years.

COMPOSITE ADVANTAGE FRP DROP-IN-PLACE BRIDGE PRODUCT RECEIVES AWARD

Composite Advantage LLC (CA) received The Infinite Possibility Award for its drop-in-place prefabricated Fiber Reinforced Polymer (FRP) composite bridge product. The award is given to composite products demonstrating the potential to significantly increase the use of composites in existing or developing markets.

The Infinite Possibility category is part of the Awards for Excellence (ACE) presented each year at COMPOSITES+POLYCON, the American Composites Manufacturers Association's (ACMA) annual conference and trade show and is the composites industry's premier product award competition.



CA's product is the first integrated drop-in-place FRP bridge system. Unlike conventional FRP decks on steel or concrete beams, this bridge superstructure consists of prefabricated panels with integrally molded beams and deck, using a proprietary infusion process. This system eliminates the connection joints between

deck and beams, reducing potential structural problems. Because the system prefabricates more bridge components into one piece, cost premiums for composites are lower. Road closure times and detour costs are also reduced since the system can be delivered and placed more quickly. The system may be used for vehicular, pedestrian or portable bridges.

The drop-in-place bridge product is also being used in less traditional markets like the mining and forestry industries. CA is a member company of NCC and one of the first graduates of NCC's incubation program. For more information about CA visit www.compositeadvantage.com



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NCC WELCOMES NEW MEMBER COMPANIES TO GROWING COMMUNITY CLUSTER

NCC continues to build a resource cluster of businesses with a broad range of expertise through its network of member companies. This month NCC welcomes the American Composites Manufacturers Association (ACMA); Tech Solve; Skyron Systems Inc; Materials Innovation Technologies, LLC and Twenty First Century Energy, LLC.

ACMA is a trade association that represents 850 of approximately 3000 composites manufacturers and suppliers to the industry. In the U.S. alone, the composites industry employs about 550,000 people and generates almost \$70 billion in revenues per year. For more information about ACMA visit www.acmanet.org.

TechSolve, a process improvement consultant for Ohio manufacturers, has a team of business experts, engineers and scientists. Working with a wide spectrum of organizations, TechSolve helps them achieve top-line growth, bottom-line savings and improved profitability. The consulting group has sector expertise with local government, industry, healthcare, aerospace and defense and advanced manufacturing. TechSolve's services include productivity improvement and cost reduction, product development and growth planning, engineered part life cycle management and advanced manufacturing support. TechSolve is



based in Cincinnati. For more information about TechSolve visit www.techsolve.org.

SKYRON Systems Inc., headquartered in Beaverton, Oregon, is positioning to manufacture and sell small wind turbines. The company was named one of the top ten "Most Promising Energy & Clean Technology Company" at the 6th Annual Rice Alliance for Energy & Clean Technology Venture Forum held at Rice University in September 2008. SKYRON is combining an aerodynamic design, advanced composites, a limited-space "foot print", and a "plug-and-play" component design to build and sell an evolutionary, multi-solution, vertical axis wind turbine that targets a variety of field applications involving point-of-use solutions for the electric, water, and natural gas industries.

Based in Fletcher, North Carolina, Materials Innovation Technologies LLC produces fiber reinforced composite preforms in materials that include carbon, glass, natural and hybrids. Materials Innovation Technologies is also a sole source for commercialization. The company identifies technical needs and develops collaborative partnerships to

help identify solutions that are innovative and efficient. Materials Innovation Technologies' solutions are especially suited to the alternative energy, aerospace and defense, environmental, thermal management, medical and orthopedic devices and engineering components markets.

For more information about Materials Innovation Technologies visit www.emergingmit.com.

Twenty First Century Energy (TFC Energy), Fairborn, Ohio, specializes in the research and development, manufacturing, and distribution of efficient land based wind turbine systems for the conversion of wind power to electricity. TFC Energy's low-speed wind alternative energy solution converts wind power to electricity using a land based wind turbine system based on innovative vertical axis technology. The cost effective product is optimized for low-speed wind conditions (4.4 to 5.6 m/s) such as those prevailing in Ohio and nominally over half of the US. This technology provides customers, such as businesses, military, municipalities, and educational facilities, with an affordable advanced energy system that can be used to reduce reliance on fossil-fuels while integrating green alternative power into their energy plan. For more information visit www.tfcenergy.com.





Dayton Region

NCC TO GIVE WEBSITE NEW FACELIFT

NCC is gearing up to give its website a facelift and update its content. In addition to new features, the site will

incorporate a management system that will allow for easy updating. The project will bring the site in line with the Center's

current objectives, technologies and expertise. We'll provide a launch date once we near completion.

NCC TO BE FEATURED IN JEC COMPOSITES MAGAZINE

As a quick commercialization agent, manufacturing accelerator, and incubator, NCC also provides companies with the capability to develop new technologies and fast track expansion.

The Center's growing resource continues to attract a mixture

of scientists, production, manufacturing and business people that are able to exchange information and ideas in a nurturing setting. This creates a unique atmosphere for problem solving, networking and project partnerships. From floor space for scale-up, business spin-off, supplier and distribution sources, the Center's ability to provide a

complete value chain is complimented by its strong connections to regional services, universities and government organizations.

These capabilities and the Center's core competencies will be featured in the June issue of JEC Composites Magazine.

