



frontLINE

MOUND DEVELOPMENT CORPORATION

WINTER 2012

Company works all hours to keep customers on schedule

Joe Kwiatkowski operates his company at the speed of business, where it's all about moving fast and never easing up. To keep up with customers' needs, he's thrown out the concept of a 9-to-5 work day and redefined turnaround time in terms of hours rather than days.

As a result, the Precision Joining Technologies' lab rarely closes.

"Our employees are working all the time – sometimes all night," said Kwiatkowski, owner of Precision Joining Technologies, a company that offers a variety of micro-welding processes and specializes in laser welding. "Our customers' needs are schedule driven, and we've have to respond in order to keep them on schedule."

17-year Mound career

Kwiatkowski launched his company in 1996, commercializing laser and other joining processes that had been used at Mound to produce nuclear weapons components. He has created a successful enterprise by combining his work ethic with skills honed over a 17-year career at Mound, a bachelor of science in welding engineering from Ohio State University and a master of science in materials science engineering from the University of Dayton. Also, his lab features a microscope for each welding process – 30 in all – to enhance quality control.

Among the company's long-standing customers is Excelitas, a Mound-based company that brings to Precision



Precision Joining Technologies president Joe Kwiatkowski (front), works alongside his sons, vice president of operations, Anthony, and vice president of quality, Chris. "It is great to share my knowledge with my sons. We now have three welding experts in the family," he said.

Joining Technologies its most critical welding projects.

"Joe is respected as an expert by us and by our customer, which is Sandia National Labs," said Steve Damian, a program manager at Excelitas. "The work is always precise and consistent, and this leads to the consistent performance of our products."

Third-party confirmation of Precision Joining Technologies' commitment to excellence will soon be in place with ISO 9001 certification, which will be completed within the next three months.

'No down time'

Turnaround time is also important for a schedule-driven company like Excelitas.

"With Joe, there's no down time," Damian said. "If we build something during the day and drop it off in the evening, they'll work on it through the night, if

necessary, and have it ready for us the next morning."

Kwiatkowski has brought his sons, Anthony and Chris, into the business and taught them his welding skills as well as his work ethic. Often, they work together through the night to keep projects on schedule.

Readily acknowledging his company's unconventional work schedule, Kwiatkowski is quick to praise Mound Development Corporation and Turner Property Management for accommodating the 24/7 operation of his lab.

"There have been times when I've called with a maintenance problem at 9 o'clock on a Saturday night," he said. "They really do go out of their way to support the non-standard hours we need to run a successful business."

Precision Joining Technologies can be reached at 937-865-4051 or via the website at www.precisionjoining.com.

www.mound.com

Mound Museum officials cut ribbon on new home

Facility contains more than 100,000 artifacts

About 150 people recently gathered for a ribbon cutting at the museum's permanent home at 1075 Mound Rd., immediately in view of the Adena Indians' conical earthen mound for which the research lab was originally named.

The Mound Museum houses records that detail Mound Lab's important contributions to national security from 1944 to 1993 and the work of local scientists to support the Manhattan Project, the U.S. effort to develop the atom bomb ahead of Nazi Germany. Mound workers also developed breakthrough technologies for nuclear weapons components, power sources for NASA's deep space exploration and methods for safe handling of radioactive materials.

When the Department of Energy decided to close Mound in 1993, preservation of the site's 50-year history was not part of the plan. And so the museum was formed in 2000 by former Mound workers.

"A large group of volunteers came together and formed the Mound Science & Energy Museum to preserve Mound's legacy," said museum president Dick Flitcraft, who served as Mound site manager and president of Monsanto Research Corp., the lab's management

contractor for 44 years. "We went through all the proper channels to collect as much as possible while environmental cleanup was being completed."

The volunteers invested thousands of hours collecting, identifying, organizing and moving the materials to the new 10,000-square-foot facility, which



has been provided by the Mound Development Corporation.

Officials plan to reconfigure the museum space and create state-of-the-art interactive displays where visitors learn about history, science, technology, engineering and math (STEM). Students of Wright State University's graduate program in public history are developing the plans.

"We want to create an environment that engages visitors in what happened here at Mound," said Flitcraft. "The museum has to leave lasting impressions."

VANGUARD BLVD

\$4M roadway project under way

Construction is about to begin on the extension of Vanguard Boulevard, the main road through the Mound campus. Funded by the state of Ohio's Jobs Ready Sites Program and Mound Development Corporation, the more than \$4 million project will add 3,300 feet of paved roadway along with water, sanitary sewer, storm sewer, curbs, gutters, street lights, sidewalks and landscaping. The project also included the removal of two buildings to allow for a 115-space parking lot to be built for Excelitas Technologies, which occupies the building at 1100 Vanguard Blvd.

"Excelitas employees and customers have had to use old DOE roads to get to the business," said MDC operations manager Frank Bullock. "This will give the company a new, attractive front door."

The funds were awarded for the Mound project based on job-creation criteria. Excelitas has grown from 45 employees in 2007 to 87 in 2012. The company expects continued growth in the coming year.

The south portion of Vanguard Blvd. was completed in 2003 and enabled MDC to construct a flex building that now is home to Iya Technologies. The current construction project will be completed by fall 2013.

Now available at Mound

One of the newest buildings on the Mound campus is now available for lease. The building at **955 Mound Rd.**, directly across from Mound Golf Course and Mound Park, offers the following features:

- 12,500 sq. ft. on 5.35 acres
- office space
- conference room
- reception area
- kitchen
- ample parking
- Mound Rd. access
- concrete masonry unit exterior with brick veneer

Please call Pete Nichols or Paul Miller of CB Richard Ellis Realty at 937-226-1511 for more information.



Board member honored with top award

As a Mound Development Corp. board member for the past 18 years, Dr. James VanTassel has raised thorny issues, asked pointed questions and made difficult decisions. He has also made a habit of stepping out of the limelight when Mound's redevelopment success has been the subject of praise.

He wasn't able to dodge the kudos recently, however, when he was named as the recipient of the 2011 Falcon Award, the highest honor presented for support of the Mound redevelopment project.

"Jim has been a pillar of sound judgment – even during the most trying issues," said MDC president Michael Grauwelman. "His technical knowledge and business acumen have helped us establish Mound's redevelopment model as the standard for other Department of Energy sites."

The Falcon Award is presented to an individual or group to recognize the highest level of commitment to the Mound project's success. Last year's recipient was Congressman Tony Hall.



Dr. James VanTassel receives the Falcon Award from MDC president Michael Grauwelman.

New coalition role to benefit Mound

The privatization of the state of Ohio's economic development efforts has given the Dayton Development Coalition an expanded, pivotal role and \$2 million in funding to carry it out.

Under the new agreement, the coalition has become a JobsOhio regional network partner that will work with companies looking to expand or relocate in Ohio and assemble the first stages of economic development deals that qualify for state incentives. Those agreements will then be passed along to JobsOhio, a new private

nonprofit organization that will assist the companies in preparing applications for incentive programs.

"The goal is to accelerate economic development by bringing decision making to the regional level and streamlining the process once it gets to the state," said coalition president and CEO Jeff Hoagland.

Mound officials are optimistic about the change and its benefits to the Mound site.

"The biggest impact will be to have the convenience of a local point of contact



who understands Mound, our objectives, value proposition and place in the region's economic development strategy," said Mound Development Corp. president Michael Grauwelman.

The DDC will continue to work on regional economic development priorities, including Wright-Patterson Air Force Base and business retention.

Solar array performing better than expected

On an average day, the Mound solar array generates 6.3 percent of the energy requirements for 965 Capstone Dr. On a great day, it generates 80 percent.

Installed and maintained by DP&L as a demonstration in alternative energy technologies, the solar array converts solar energy into the electrical energy needed to power building systems such as heating, ventilation, air conditioning and lighting. The high mark of 80 percent was reached on a sunny Sunday afternoon with low building occupancy and energy requirements.

Even so, the 2011 average of 6.3 percent represents energy savings higher than the originally anticipated 4-5 percent.

Mound Development Corporation is passing those savings on to the building's tenants.

Solar energy is one of the alternative energy technologies being used as part of MDC's Energy Center Initiative, which aims to make the Mound site net-zero of external energy consumption through conservation and the generation of



The solar array at Mound is owned and maintained by DP&L.

renewable energy. Additional energy-efficiency measures in 965 Capstone Dr. include upgrades to lighting and controls, installation of sub-metering and a new HVAC control system which has produced a 10 percent reduction in electrical consumption and a 16 percent reduction in natural gas usage. These savings were also passed on to MDC customers.



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EHS Technology Group

When EHS Technologies Group was founded in 1998, the manufacturing industry fueled the company's growth with the demand for engineering and technology services to support compliance with environmental and safety requirements. Nowadays, the company is using the same tools and processes to address another concern that has industry buzzing: sustainability.

No longer just manufacturing companies

"The motivation has changed," said EHS founder and president, Greg Hemker. "Companies want to reduce their carbon footprint, their packaging and their by-products. They want to be sustainable."

With the transition, the EHS customer base has expanded to include not just manufacturing companies but also producers of paints, pharmaceuticals and foods as well as power plants. The uptick in the auto industry in the past two years has also generated new business.

"We've had a 16 percent increase in sales in the past two years," Hemker said.

"We've hired two new employees in the past two months, and we may have to hire more."

Seeking international quality standards

EHS works with American companies worldwide, conducting audits and helping to correct environmental and safety problems. The goal for these companies is to obtain ISO 14001 and ISO 18001 certification, international quality



One client came to EHS for help after finding that a previous owner had buried 200 drums of toxic waste on their property.

standards that serve as a platform for sustainability.

EHS is acquiring most of its new business through relationship marketing focused in Ohio, Indiana and Kentucky.

"We've decided we're not going to sell; we're going to train," said Hemker, who regularly conducts educational sessions for chambers of commerce. "Word-of-mouth marketing is working for us."

A great relationship with MDC

EHS was launched at the Mound Advanced Technology Center soon after the company began providing environmental services to the Mound Development Corp., which, at the time, was working toward environmental remediation at Mound.

"They (MDC) gave us an unbelievable opportunity 15 years ago to have offices here, and we took them up on it," remarked Hemker. "We've had a great relationship and have never wanted to move."

For more information, visit the EHS website at www.ehstech.com or call 937-865-3818.