Meeting manufacturers' real estate needs in good times & bad: Mike Magliano of Cushman & Wakefield

Mike Magliano at Cushman-Wakefield of Illinois
Courtesy of Fran Eaton

TMA Illinois

Mike Magliano has been serving Chicago's real estate market for the last 15 years, working in the industrial segment through the best and worst of times. Right now, the market is strong and business is good -- very good -- at Cushman-Wakefield.
"We’ve seen a complete 180 turnaround from 2009," Magliano told TMA’s News Bulletin. That's the year commercial real estate market tanked and vacancies skyrocketed in the greater Chicago area to nearly 13 percent. New construction stopped. Landlords questioned where they would find tenants as economic activity slowed down. Lower lease and occupancy rates drove property values down by 30 to 60 percent.

"I remember calling property owners and hearing them question how long they could stay in business with the way things were," Magliano said. "Landlords were willing to give away whatever they could, just to get tenants."

Magliano said the recession in real estate and manufacturing forced him to dramatically change his business outreach approach.

"Talking to manufacturers in 2009, I learned quickly that I needed to be more of a resource for them and not just a typical real estate broker," he said.

Magliano began offering assistance in not only finding available properties that suited manufacturers' needs, but in planning their moves and helping them understand the costs and hurdles moving would create for their businesses.

"Manufacturers could sometimes offset costs by having the landlord pick up some of the moving costs or setting up the building as they need," he said. "And if they were buying, their banks could help to find creative financing."

Magliano attributes much of his knowledge about manufacturers' real estate needs to the network at the Technology and Manufacturing Association, which he joined in 2011. The first TMA event he attended was a panel hosted by the Young Leaders Committee.

"I knew I wanted to get involved in the group and figure out how I could add value," he said.

Within two years, the committee asked him to serve as their chairman. He accepted, and has continued leading the committee for the past four years. He also obtained TMA's Diamond Ambassador Badge, which means he introduced TMA to 10 new manufacturing companies that later joined. He also served two years as the chairman of TMA's Golf Committee. Magliano teamed up with Ed Brandt to assist in TMA's facility relocation from Rosemont to Schaumburg three years ago.

The Young Leader Committee has hosted several keynote speakers as well as networking events over the past few years. The next one is scheduled for May 16th, when the topic will be plant cost savings -- how to produce better, quicker and still maintain high quality. In the meantime, the area's real estate market is on the path to recovery.

"We've had over 20 straight quarters of vacancy reduction. Vacancies are down to an historical low of six percent, which, in turn, has raised lease rates and values back to pre-recession levels," Magliano said. "There is a lot of capital (investors) looking to invest in industrial real estate. This, combined with growth of manufacturing and distribution companies, has led to the shortage of product."
Magliano believes that Illinois will always be the central transportation hub of the United States in logistics and manufacturing, no matter what economic conditions are. He says with the largest inland rail port in the Joliet/Elwood area, along with O'Hare Airport, Chicago is a major city with accesses that lead in every direction.

Still, some of Magliano's clients are considering a move to Wisconsin or Indiana for lower land costs and relocation tax incentives. Those companies within 30 to 40 minutes of a state border and confident they won't lose skilled labor with a move are prime candidates for relocation. Magliano says he admires manufacturers and how they deal with the industry's ups and downs.

"I'm passionate about manufacturing. I look up to any owner of a manufacturing company and how he or she faced challenges in the past 10 years. What they do is a life commitment, not a 9 to 5 job," he said. "I love hearing about how their companies started and their growth plans for the future."

Those conversations with manufacturers are much different than they were in 2009, he said.

"Now they're asking, 'How do I efficiently grow within my current facility when there are space constraints? Should we do multiple locations or just pick up and move?"

And hearing that about-face in manufacturers' conversations about more work and how to get it done is good news for everyone.
As president of the Technology and Manufacturing Association, I have been impressed by Cook County Chair Toni Preckwinkle’s efforts to improve county government.

That said, Cook County ought to stay out of public policy it doesn’t understand. The recent passage of Cook County ordinances mandating a 58 percent increase to the minimum wage and a minimum employee paid time off are steps that should have been avoided. Cook County has no experience, or special expertise on either wages or employee leave policy. And they made no attempt to gain any before imposing new regulations on thousands of Illinois businesses that call Cook County home. Without a single hearing or study Cook County voted to insert themselves into the employer/employee relationship, a relationship already subject to the oversight of no less than 10 federal and state agencies.

Cook County employers pay some of the highest property taxes and are subject to the highest sales tax in America. These men and women work hard to provide rewarding, meaningful employment to hundreds of thousands of Cook County residents. The last thing they need is another set of bureaucrats enforcing an additional set of costly regulations.

In slowly-recovering Cook County, jobs are the priority. Creating a Cook County-only minimum wage and mandating a poorly-conceived, one-size-fits-all employee sick leave law is not the way to encourage employers to expand or locate in Cook County.

Like Chair Preckwinkle, I am committed to increasing economic growth, stability, and prosperity in all of Cook County (and Illinois), fairly and equitably. The path to this growth is not a county-by-county set of differing regulations, however well intended.

Sustainable economic development starts with predictable public policy, a workforce prepared for today’s jobs, a functioning transportation infrastructure, a fair and understandable tax burden and an employer willing to hire.

Steve Rauschenberger, President
Technology & Manufacturing Association
Schaumburg

Get articles sent to your inbox.

Click here to sign up for the Schaumburg Newsletter

https://www.dailyherald.com/discuss/20170513/county-too-hasty-on-minimum-wage-hike?utm_source=DH%20AMP%20Articles&utm_medium=AMP&utm_co...
Promoting Economic Growth by Overhauling the Tax Code

Posted to Finance May 18, 2017 by Connor D. Wolf

Business leaders testified before a congressional hearing Thursday to share their views on how to reform the tax system to promote economic growth. President Donald Trump has made tax reform one of his top priorities. The administration hopes a simplified and reduced tax rate will help spur economic growth. The administration released a summary of its plan April 26. The House Ways and Means Committee held the hearing to get suggestions from the private-sector.

“One of the biggest issues facing the country is how to unleash economic growth, which has underperformed for the last decade,” AT&T chief financial officer John Stephens said during the hearing. “If we’re serious about robust growth, then we must get serious about jump-starting private-sector investment. And the best way to do that is to fix our broken, last-century corporate tax code.”

House Speaker Paul Ryan and Rep. Kevin Brady introduced a blueprint last year which included many of the same reforms the administration is now pursuing. Both plans are intended to reduce the number of income brackets to three while reducing rates for upper and middle-income earners. They also lower the corporate tax rate.

“Our twentieth-century tax code fails to reflect the realities of today’s twenty-first century global and internet-focused economy,” Stephens said. “We no longer live in a world where the U.S. can set a corporate tax rate without considering what our international competition looks like.”

Advances in technology have quickly changed the economy is radical ways. It has opened up new opportunities like in the information technology sector while also threatening traditional jobs like in manufacturing. Technology has also allowed the world to connect more easily which has created a more open global economy.

“The U.S. federal tax code was last updated over 30 years ago,” S&P Global President Douglas Peterson testified. “We have a markedly different economy today. For example, who could have foreseen the ubiquitous nature of technology in the way we conduct business today? Intellectual property is more important than ever to our global economy. And the pace of technological change is only accelerating.”

The Organisation for Economic Co-operation and Development (OECD) is an intergovernmental organization founded to promote economic progress and world trade. The United States has increasingly become less competitive with other member countries since its last major tax overhaul in 1986.

“Currently, the U.S. has the highest statutory corporate tax rate among the 35 countries in the OECD,” Peterson said. “Importantly, other countries are attempting to lure our businesses, and their tax revenues, abroad.”

The Congressional Budget Office (CBO) found in an analysis that many other developed countries have been moving towards a more competitive tax system for over a decade. The study encompassed changes from 2003 to 2012. The United States, however, has done little to its tax code to stay competitive during that time.

“In reality, tax policy and trade policy go hand in hand, and I believe that tax policy has far greater effect on trade than any trade agreement ever could,” Zachary Mott, the chief alignment officer for the Atlas Tool Works, said during the hearing. “Good tax policy, one that encourages domestic production and exports, is in effect good trade policy.”

Emerson Electric Company President David Farr notes the current tax system also adds costs in ways outside the higher rates. The tax system is incredibly complex which forces companies to spend time and additional resources in order to comply with the law. The simplified tax code could potentially save companies on those additional costs.

“While we’ve seen some positive changes, manufacturers and other businesses in the United States still struggle to compete against our international competitors under an outdated tax system that includes very high tax rates for both corporate and pass-through businesses, arcane rules for taxing international income, and a significant compliance burden,” Farr, who also serves as the chairman of the board of directors at the National Association of Manufacturers, said.

Farr suggests policymakers should lower tax rates for businesses, modernize international tax rules, encourage private-sector investments, and promote innovation by incentivizing research and development. He also notes the tax code should recognize companies are becoming more global.
“I want to highlight two things, the opportunity for trade competitiveness through tax reform and the unique pain felt by small manufacturers due to excessive complexity and unfair treatment under the current tax code,” Mottl, who also spoke on behalf of the Technology and Manufacturing Association, said. “Today, the most difficult barrier to growth American manufacturers face is our self-inflicted tax code.”

Mottl adds the tax code could also be used to shield domestic companies against unfair foreign competition. The border adjustment tax, for instance, could ensure companies don’t dump products in the country at a lower cost because they were developed by cheap foreign labor. Many other developed countries use some form of a border adjustment tax.

The border adjustment tax is a value added tax levied on imported goods. It is essentially applied when a product is produced in a foreign country but sold domestically. It has become a major point of contention among those on the right with critics warning it could hurt people domestically by increasing costs for goods and services.

It’s more than just the business community calling for lawmakers to overhaul the tax code. The idea generally has bipartisan support, though the approach is still up for debate. Over 30 economists from leading think tanks and academic institutions argued in a letter to lawmakers Wednesday that comprehensive tax reform is long overdue. The letter highlighted the border adjustment tax as being critical to those reforms.

The Business Roundtable found in a survey that business owners would begin investing more back into their companies and employees if the tax system was reformed successfully. The overwhelming majority of CEOs surveyed, at 76 percent, said they would increase hiring if reforms were done right. Most of the CEOs surveyed, however, fear delaying tax reform would hurt capital investments and hiring.

Follow Connor on Twitter

Subscribe for the Latest From InsideSources Every Morning

About the Author

Connor D. Wolf

Connor Wolf discovered his love for writing and politics at a young age while growing up in Connecticut. He eventually had the chance to pursue his passions when entering the world of journalism. Since that time he has covered labor policy, business and financial regulations.
House committee debates tax reform prospects

By Michael Cohn
Published May 18 2017, 2:54pm EDT

More in Tax reform, Corporate taxes, International taxes, Kevin Brady

The House Ways and Means Committee held a hearing Thursday to examine how tax reform will grow the economy and create jobs, even as the turmoil surrounding the Trump administration threatened the prospects for the first comprehensive tax overhaul in more than three decades.

House Ways and Means Committee chairman Kevin Brady, R-Texas, opened the hearing arguing for the need to lower tax rates. “Today’s high tax rates on American businesses drive good-paying jobs overseas and make it more difficult for our job creators and workers to succeed here at home. America’s burdensome international tax system destroys U.S. competitiveness and discourages investment in our communities,” he said in his opening statement. “Scores of loopholes give favored treatment to Washington special interests while millions of hardworking Americans haven’t seen a real pay raise in years. Here’s the good news—President Trump is leading the charge for bold tax reform that will unleash the growth of jobs and paychecks nationwide. And, he’s calling on the House and Senate to put forward our best ideas. Our committee is ready to answer the call.”

Rep. Richard Neal, D-Mass., the ranking Democrat on the committee, described his party’s opposition to any tax cuts that merely benefit the wealthy. “The American people don’t believe that massive tax cuts for millionaires and billionaires grow the economy,” he said. “The American family knows that tax reform that provides middle-class tax relief and asks
corporations and the wealthiest Americans to pay their fair share is what will grow our economy. Democrats will oppose any tax plan that helps the rich get richer and does nothing for those who really need help. And all of us should oppose any tax reform that results in the middle class carrying even more of the tax burden. The Trump tax plan currently fails to meet this standard and I hope the Administration will move back to the test set out by [Treasury] Secretary [Steven] Mnuchin for tax reform that, ”there will be no absolute tax cut for the upper class.”

The committee heard from several corporate executives, including AT&T CFO and senior executive vice president John J. Stephens, who argued that tax reform would generate more economic growth and jobs. ”That is why the biggest beneficiary of tax reform—and the growth it will stimulate—is the American worker,” he said. ”An expanding economy increases demand for labor and pushes wages higher. Economists project that even a modest
modernization of the tax code would raise American wages by 3.8 percent or more over 10 years. And it would grow GDP by 2.2 percent over 10 years."

S&P Global president and CEO Douglas L. Peterson made a similar argument about how tax reform would grow jobs and the economy and contrasted the U.S. tax code to other industrialized countries. "The U.S. remains a 'tax outlier,'" he said. "Our tax system is antiquated, unfair, and hinders our ability to compete on a global scale. It is time for a change. The current system is stifling our economic growth. We are losing ground at a time when we should be leading. It is incumbent on us to seize this moment and enact substantial changes that will eliminate concerns for businesses about growing, investing and innovating in the U.S. I hope this Congress will seize this moment."

Steven Rattner, chairman and CEO of Willett Advisors, argued the current tax code is out of date. "No one can doubt the need for comprehensive tax reform," he said. "It has now been more than 30 years our revenue code was last thoroughly overhauled. Since that time, many loopholes and methods of achieving avoidance have crept into the system. And the policies and practices of our global competitors have also evolved, in many cases to our detriment."

Zachary Mottl, chief alignment officer of Atlas Tool Works, a family owned manufacturing company in Illinois, spoke on behalf of the state’s Technology and Manufacturing Association. He argued in favor of the controversial proposal for a border adjustment tax, which would favor goods produced in the U.S. over imports from abroad.

"Today, the most difficult barrier to growth American manufacturers face is our self-inflicted tax code," he said. "Much of it was written decades ago, and it fails to account for today's internationally competitive environment. I realize this will be hard and contentious work. Manufacturers understand that there will be those who argue for simply reducing current tax rates. While a reduction in tax rates may be helpful in the short run, I believe our economy and our citizens need and deserve permanent, comprehensive tax reform that also improves America’s trade competitiveness. That is why the manufacturers I represent are so pleased that this committee has placed border adjustability at the center of its tax reform efforts so we can neutralize the border tax problems imposed on us by other
countries and reclaim our competitive edge in international trade.”

White Paper Enterprising moves for cloud ERP

Enterprises need modern business solutions for modern business needs.

PARTNER INSIGHTS
SPONSOR CONTENT FROM:

ORACLE® + NETSUITE
Accounting
May 1

David N. Farr, chairman and CEO of Emerson Electric Co., testified on behalf of the National Association of Manufacturers, where he chairs the board.

“Manufacturers like Emerson have been leading the charge for comprehensive tax reform for more than a decade,” he said. “While we’ve seen some positive changes, manufacturers and other businesses in the United States still struggle to compete against our international competitors under an outdated tax system that includes very high tax rates for both corporate and pass-through businesses, arcane rules for taxing international income and a significant compliance burden. Tax reform is a critical issue for my company—and all manufacturers—and I believe we have the best chance in more than 30 years to advance permanent pro-growth reform. It is imperative that we take full advantage of this opportunity to improve our global competitiveness and grow the economy and increase U.S. manufacturing jobs.”

At least one outside group was skeptical about the hearings, however. “Every witness on the panel advocated that the pizza shop in Iowa should pay a higher tax rate than General Electric or Google,” said Clark Gascoigne, deputy director of the Financial Accountability and Corporate Transparency (FACT) Coalition. “Instead of leveling the playing field, the executives called on Congress to create an even greater incentive to move additional jobs
and money offshore in the future. Offshore tax avoidance is a problem that costs U.S. taxpayers an estimated $135 billion annually. Instead of expanding the incentive to shift profits and jobs offshore, Congress should ensure that wholly domestic and small businesses can compete more fairly with multinationals."

Michael Cohn
Michael Cohn, editor-in-chief of AccountingToday.com, has been covering business and technology for a variety of publications since 1985.

More from this Author
IASB releases insurance contracts standard
Jeffrey Previdi appointed as GASB vice chairman
GOP lawmakers question IRS summons to Coinbase users

Comments
Login or Register

Get AT in your inbox
Newsletter Daily

Email Address
Subscribe
Register
Several suburban towns reject Cook County’s minimum wage increases

By Melissa Busch  May 15, 2017

Several Cook County municipalities, including Elk Grove Village where Jarosch Bakery is located, are opting out of minimum wage hikes scheduled through 2019.

ILLINOIS NEWS NETWORK

Ken Jarosch, owner of Jarosch Bakery in Elk Grove Village, feels at ease knowing his town opted out of Cook County’s ordinance to raise the minimum wage over the next three years.

If the village hadn’t opted out, his family bakery, which has been in business since 1959, would have been looking at a 42 percent increase in labor costs as the minimum wage increased gradually until 2020.

"I would have had to raise prices about 15 to 17 percent just to cover my labor," Jarosch told the Illinois News Network.

In October, Cook County adopted an ordinance to raise the minimum wage to $10 an hour, effective July 1. The minimum wage will gradually increase to $13 per hour by 2020. Currently, the Illinois minimum wage is $8.25.

Steve Rauschenberger, president of the Technology & Manufacturing Association, continues to encourage suburban towns in Cook County to opt out of the wage increase. Many have listened and done so.

In addition to Elk Grove Village, Rosemont, Oak Forest, Mount Prospect, River Forest and Barrington have used their "home rule" powers, which allows towns to opt out of county and some state laws, to formally opt out of the wage increase. Under the Illinois Constitution, towns with more than 25,000 residents automatically are granted home rule powers. Smaller towns also can adopt the home rule designation by voter referendum.

"County by county, minimum wage laws and employee sick leave will make Illinois a patchwork of confusing and complicated regulations," Rauschenberger told the Illinois News Network. "Cook County has no particular experience, expertise, or insight into employee/employer relationships, and no enforcement/due process system for employment issues."
Rauschenberger believes Cook County has no business meddling in employee/employer matters, noting businesses are already regulated by more than 10 state and federal agencies, including the state and federal departments of labor and the state department of human rights.

The county and the state's efforts to change minimum wage rates are just bad business, he said. State Rep. Will Guzzardi, a Democrat representing Chicago, sponsored a bill to gradually increase Illinois' minimum wage to $15 an hour.

Members of the National Federation of Independent Business in the area are bracing for the potential state change and trying to figure out how to deal with it, Mark Grant, state director of the association, told the Illinois News Network.

"It's alarming that state lawmakers are pushing legislation [HB198] during this session to raise the state minimum wage to $15 per hour by 2022 when they have not yet seen the impacts of the Chicago/Cook County hikes that will be hitting in July," Grant said.

The goal of the wage boost was to put the suburbs in line with its largest city, Chicago, which is gradually increasing the minimum wage to $13 an hour by July 2019.

What the wage increase does is take jobs away from younger, unskilled workers, such as high school students, Jarosch said. Some of his approximately 60 employees are high school or college students, many of whom are working for the first time.

"If I am paying $13 per hour, I'm not going to hire under-performers," Jarosch said. "I am not going to hire people with zero job skills – entry-level workers.

"What government officials are doing is not only making them unemployed, they are making them unemployable. They think they are helping the working poor and the poor. They are condemning them to a life of no work and government-mandated programs."

Any further job loss would be detrimental to the region.

For nearly two decades, Illinois has been steadily losing manufacturing jobs due to high property taxes, a poorly performing school district, high crime rates, and political corruption, Rauschenberger said. Unfortunately, once a company decides to relocate, Rauschenberger said it takes years for it to consider coming back.

Grant added that Illinois already struggles to attract and keep jobs.

"Job growth statewide was only 0.5 percent in 2016, compared with a gain of 1.5 percent nationwide," Grant said. "There was a survey of CEOs out this week that said Illinois is the third-worst state for business. The only states with a less-friendly climate were New York and California. Our taxes are high, we're broke, and we have a legislature that would rather play politics than make a serious effort to solve the problem. If the government mandates an increase in the cost of labor, that can only make it harder to attract and keep employers."

Though Rauschenberger was unaware of any business planning to relocate due to Cook County's ordinance, he said it is often never one thing that drives a company away.

"Businesses do not move over one regulation or tax increase, rather it is the accumulation of a growing tax burden, a poorly prepared workforce, political chaos at the state level, corruption, and patronage at the local government level, and finally, at some point or another, an owner, or CEO finally has had enough. They close, or sell, or move production to another state or country, or decide to buy instead of making the product," he said.

To get insight into what an increase can do to an area, Grant noted an NFIB report filed in January 2014 that analyzed the potential economic impact of implementing Amendment 4 to Senate Bill 68, which would have modified the state's minimum wage law. The rate would have mandated a gradual increase of the state minimum wage to $10.65 per hour by July 2016.

It was estimated that over a 10-year period beginning in 2014, the amendment would reduce "Illinois private sector employment by more than 45,000 jobs and result in a cumulative reduction in Illinois real output of more than $32 billion," according to the report.

If there needs to be change, Rauschenberger said, it should be made by the federal government.

"Minimum wage laws to the extent that people think they are necessary should be imposed at the federal level, so at least there would be consistency in the United States," Rauschenberger said.

https://ilnews.org/news/economy/several-suburban-towns-reject-cook-county-s-minimum-wage-increases/article_7f6487a6-3734-11e7-983f-1f201b767284.html
Strengthening Manufacturing through Advocacy

Trade organizations are providing the guidance and resources needed to prepare students and women for careers in advanced manufacturing.

With a growing number of employees nearing retirement, workforce development continues to be a central issue for manufacturing business owners and managers. Some companies are opting for membership in trade organizations such as the Technology and Manufacturing Association (TMA), local chapters of the American Mold Builders Association (AMBA) and the Canadian Association of Mold Makers (CAMM). These organizations are inspiring examples of how trade-related programs, education, events and other resources help shine a light on today’s moldmaking industry and the potentially rewarding careers available.

Guiding Manufacturing Curriculum

The TMA’s Education Foundation is dedicated to promoting manufacturing careers and advancing existing manufacturing training programs that contribute to much needed workforce development in skilled trades including machining and moldmaking. It also provides both financial and practical resources for schools looking to develop relevant programs that will set students on pathways to viable manufacturing careers. One such school is Lake Park High School in Roselle, Illinois, which is in the second full year of its new machining program. While the school has offered an industrial technology program for some time, its focus was on woodworking, automotive, graphic arts and electronics. But, according to Kevin Jones, curriculum leader for career, technical and fine arts education, it became clear that the program needed to be expanded when members of the business community began requesting that a machining program be developed. “They needed young, skilled employees who could eventually replace their aging employees, and they told our administrators they needed them sooner than later.”

Jones says the TWA helped Lake Park establish an advisory council by putting the call out to its membership. Today, the council is made up of representatives from about 30 manufacturing enterprises in the local area, as well as the TMA. “We held our first meeting of the council in May 2013, and the momentum took off,” he says. Over the course of the next year, the council met monthly to discuss what types of programs the school would offer, and for the 2015-16 school year, level one of a new Engineering and Precision Machining Technology class was offered, which
focuses on operation of manual mills and lathes. More than 60 students enrolled. The following year, level two of the program was launched, introducing students to CNC equipment operation. To further strengthen the program, Jones says the advisory council suggested that both program instructors take the introductory Hands-On CNC training offered by the TVA. They attended the 16-week course, which combined theory and hands-on training in the setup, operation, and programming of CNC mills and lathes, earning National Institute of Metalworking Skills (NIMS) credentials for both.

Concurrent with the high school launching its new machining program was the introduction of three "Project Lead the Way" courses, including Introduction to Engineering Design, Principles of Engineering, and Computerized Integrated Manufacturing. By the end of the 2015-16 school year, more than 290 students had enrolled in the new industrial machining program. Realizing that the high school did not have the capacity to house these new programs, a new Innovation Center was added, with the advisory council providing valuable input about the design and layout of the new facility, Jones says. It features a 28-station computer lab/classroom, a large production area for manual and CNC machines, a storage area/toolroom, and safety features, such as power shut offs on each wall, an eyewash station and more.

A $60,000 grant from the TVA's Education Foundation enabled Lake Park to purchase equipment needed for the program, including a Haas Mini Mill VMC with a 16-tool toolchanger. "In the past year, members of the advisory council have donated cash, equipment and tooling in excess of $45,000," says Alan Smith, the school's assistant principal. "We were recently awarded a second, $39,000 grant from the TVA Education Foundation to help purchase another Haas Mini Mill, toolchanger and accessories this year. Other lab equipment includes two Haas TL-1 lathes, fully enclosed, with quick-change toolholders; four Bridgeport manual mills; four Sharp manual lathes; each with three-jaw, four-jaw, and 5C collet holders set up with quick-change toolholders; plus a Mitsubishi turning grinder; a Jet horizontal band saw; a pedestal grinder; and two LED TVs for demonstration and instruction purposes. Most recently, we received a $7,725 donation from our AO members to purchase an Epilog Zing laser engraver."

As part of the training program at Lake Park, students have worked internships at local manufacturing companies: Avanti Engineering Inc. and Robert C. Weishar Co. "We are currently working with mold manufacturers, Pro-Mold, S. Die and Matrix Tooling Inc., to provide more opportunities for job shadowing and internships for moldmaking," Jones says.

"The advisory council continues to meet every other month to discuss programs, equipment, training and careers in the manufacturing area," Smith says. "The advisory council gave guidance in the development of our academic program as well as our facility needs. Beyond the curriculum, the TVA Education Foundation grants have proved significant seed money to help our district offset the cost of some of our equipment. I cannot express enough just how grateful we are for their assistance with our program."
Marketing Careers in Moldmaking

During a dinner meeting in 2012, a video was shared with members of the AMBA Chicago Chapter that would impact the course of that chapter’s work. “I remember the emotional reactions we all experienced as we learned how the faculty at Elwa-Strum High School (Strum, Wisconsin) developed a vocational manufacturing curriculum that then led to the school actually establishing a real student-run manufacturing company called Cardinal Manufacturing,” says Francine Petrucci, president of Aurora, Illinois-based BA De Muld Inc. and immediate past chair of the AMBA chapter. “It was like a fire was lit underneath us and we had to do something about it.”

She says the video, which was produced by Creative Technology Corp., so affected members that, by the end of the evening, an education committee was formed. Since that time, the committee has been actively promoting advanced manufacturing careers using various marketing strategies. With some initial seed money provided by the chapter’s board of directors and later using funds from two $5,000 grants won as AMBA Chapter of the Year in 2015 and 2016, the committee, with assistance from Creative Technology, established its own website (moldyourcareer.org), adopted the telltale slogan “Earn While You Learn,” and developed a brochure featuring career path options for budding moldmakers, designers and machinists, including education requirements, salary potential versus other non-manufacturing careers options, and other useful information geared to both students and their parents, teachers and counselors.

“Fortunately for us, one of our active committee members is a long-time veteran of moldmaking and a noted instructor in the Chicago area, Joe Geno,” Petrucci says. “We were able to post the Moldmaking 302 course syllabuses that I created for the TMA, where he is an instructor, on our website, which provides an excellent overview of the trade, the training, course descriptions and overall performance expectations of apprentices.”

The materials are distributed at area high school and community college career and job fairs, with members volunteering their time and their apprentices’ time to staff tables and booths. “No one hesitated when I proposed that our apprentices become actively involved at events, as able,” Petrucci says. “These ‘student advocates,’” as we call them, relate best with the young people and were particularly successful with engaging the hundreds of students that visited our booth in the Smartforce Student Summit at IMTS 2014.” Time was short and expectations were high, she says, when Chicago AMBA learned there was a booth available at IMTS that year. “We mobilized the committee and every member faithfully executed his or her tasks, including having banners made, providing an injection mold to display with parts molded from it and a video showing it in action, plus, we had many other molded parts on display that were components for products the students could relate to. Apprentices staffed the booth with their bosses every day during that week-long event.”

Petrucci says the experience helped the education committee connect with schools it would otherwise never have communicated with, triggering new ideas for how to reach even more educators and counselors. For example, in 2015, the Chicago chapter accelerated its efforts by
hosting its first supplier night fundraiser, which Poitrucchi says garnered enthusiastic support from more than 35 exhibiting suppliers. Funds raised were earmarked for yet another new marketing initiative, an annual Careers in Advanced Manufacturing Educators' Symposium. At the symposium, more than 40 superintendents, teachers and school counselors were invited to learn about rewarding careers in mold manufacturing. Roundtable discussions were led by AMBA members, their apprentices, manufacturing instructors and others to provide attendees with more in-depth and personal perspectives about mold manufacturing, the demand for highly skilled workers, the earnings potential and more. The superintendent from Leyden High School District 212 (which has a successful manufacturing program) spoke and reinforced the importance of schools based manufacturing programs and described Leyden's success in building relationships with area businesses, such as A-1 Tool Corp., which participates on its advisory board. In 2016, an additional educators' symposium was held at Industrial Molds Group in outlying Rockford, Illinois, to bring its message to another region where manufacturers are in need of an influx of new, promising talent.

The AMBA's Chicago chapter continues to cultivate new ways to promote moldmaking and related advanced manufacturing career opportunities, including participating at Manufacturing Day events hosted by machine tool suppliers such as Toshiba and GF Machining Solutions. It has shared its successes with other AMBA chapters that want to duplicate its programs. "Our board and its members believe that, in order to grow the industry and create stronger chapters within the AMBA, we have to work together," Hatumi says.

Connecting Women with Manufacturing
The Canadian Association of Mold Makers represents more than 30 mold manufacturing companies and 60 mold industry supplier companies. Jonathon Azzopardi, CAMM's current chairman and president of Tecumseh, Ontario-based moldmaker Lavall International, says the skilled worker shortage is a challenge that still resonates in the region. "There are still many skilled manufacturing positions to fill in Windsor, and we believe women are the answer," CAMM is working to introduce women to careers in moldmaking through its partnership with WEST," he says.

WEST is Women's Enterprise Skills Training of Windsor Inc., a non-profit organization that has operated in the Windsor-Essex region since 1987 and caters to women facing significant barriers to employment opportunities. Azzopardi says CAMM members help WEST organize events, develop relevant curriculum, provide plant tours and connect women with potential employers as part of the industry council organized by WEST, and the benefits are mutual. "WEST graduates help to fill the open positions on CAMM members' shop floors," he says.

In partnership with St. Clair College, an Ontario-based college offering degrees and graduate certificates in advanced manufacturing, WFST launched the Women in Skilled Trades and Information Technology (WEST) program in 2014 with a pre-apprenticeship training program, which includes skills enhancement classes and job placements with local employers such as CAMM member companies. "The pre-apprenticeship curriculum is designed by manufacturers around the
needs of the industry, and focuses on various aspects of related manufacturing processes such as CNC, electrical, pneumatics, hydraulics and mechanical." Azzopardi says. "This enables women to be more valuable employees from the start."

Rose Anguliano Hurst, executive director of WEST, says WIST comprises a combination of classroom instruction, workshops and practical labs that teach employability skills and workplace culture. Workshops are led by women who already work in the traditionally male-dominated trades and are designed to build confidence and offer insight into the manufacturing industry. "We assume too easily that no barriers exist for women, but this is not reality," Azzopardi explains. "Together, CAMM and WEST work to prepare both the candidate and the potential employer for the employment phase. Each situation is unique and CAMM provides necessary support and education for a successful landing in these companies."

In addition, CAMM is also involved with Build a Dream, an annual, day-long event established in 2012 and hosted by several Windsor based organizations, including Workforce Windsor Essex, St. Clair College, WEST and the University of Windsor’s engineering faculty. Nour Hachem-Fawaz, employer relations and co-op coordinator for the University of Windsor’s Co-op Career and Employment Services department, explains that the event is aimed at educating parents and their daughters about career opportunities in manufacturing and other sectors that are significantly under-represented by women. "This event was created after a study we conducted showed that parents were the No. 1 influence when it came to career decisions," she says.

A career fair is a featured part of the event, and both Laval International and Cavalier Tool and Mold, also a CAMM member company, are among those that have been vocal about increasing the number of women pursuing the trades. Both companies sponsored Build a Dream, contributing to the planning and materials development, participating in panel discussions, and also attending the career fair to talk with parents and young women who attended the event, Azzopardi says.

"History has a way of repeating itself," Azzopardi says. "Women were the key to the manufacturing industry that helped fuel the North American supply chain during World War II. We seem to forget the important roles women have played in supporting manufacturing on both sides of the border. It’s way past time to give them a second look."

You might also like:

**Getting Real about Manufacturing...**  
**Women Impacting Moldmaking**

*Article • Some education programs are using real-world projects and engaging...*  
*Article • Honoring female makers, innovators and leaders who are...*
FROM TMA GRADUATE TO COMPANY OWNER

May 7, 2017

Dick Truhlar of Pelco Tool & Mold, Inc.

By Fran Eaton for the Technology & Manufacturing Association’s News Bulletin

Pelco Tool & Mold, Inc. is one of several Chicago area manufacturers that was celebrated at TMA’s 91st Anniversary Dinner as being an association member
for 50 years. And if that wasn't notable enough, one of Pelco Tool's three owners – Dick Truhlar – graduated from his moldmaking apprenticeship in 1971, when TMA was the Tool & Die Institute. “At the time, we had a couple of hundred in our classes and the training lasted four years,” Truhlar said. “I was surprised to learn after several years of working with one of our salesmen that he and I graduated from the Institute the same year.”

Out on the shop floor among Pelco Tool's 37 employees, the TMA apprenticeship tradition continues with Brian Hale, who will be completing TMA moldmaking coursework in May. “We're looking forward to attending Brian's graduation,” Truhlar said. Pelco Tool's and Dick Truhlar's stories parallel the progression of manufacturing in the Chicago area, as well as TMA's purpose and vision. Truhlar said he first became interested in manufacturing when he was in a high school vocational class. He loved making things with the machines in that class. One day on the bulletin board, he noticed a sign saying a local moldmaker was looking for apprentices. “I visited with the owner of Pelco Tool at the time – Emil Peluso – who started his company in 1963 in Brookfield with three employees,” Truhlar
said. “He hired me, and then he joined the Tool & Die Institute so I could be trained there.” Truhlar worked at Pelco for 11 years before moving to another moldmaker shop where he worked and learned more about the trade for seven years. “I then got an offer to come back to Pelco as a foreman,” he said. “After seven years, the owner decided he was ready to retire at 65. I talked with two friends in the trade – Roger Wittershein and Rob Suva – who were also interested in buying Pelco. We met together with our wives and hashed out the details, and ended up buying Pelco in 1991.” Truhlar said what they paid for the whole company is less than what they have to pay for one new machine these days.

In the beginning, like most company owners, there were many months they paid their workers more than they paid themselves. “We had to put up everything we had, but it was the best thing I ever did financially,” Truhlar said. “Pelco was a $1 million a year business with six employees when we bought it. Our best recent year we did about $13.5 million in sales. That’s not bad after 26 years.” As a moldmaker, Pelco Tool has dealt with the frustration of seeing many of their customers move their work overseas, but they’ve stayed consistently busy working with companies that make containers commonly found in grocery stores. Inventive container designs for everyday items like coffee creamer, peanut butter, laundry detergent, stadium cups and liquor caps are staples for the business. “They’re always looking for container convenience and appearance to attract customers,” he said. “It’s our job to set up the molds that make those product containers sitting on store shelves. We work out any
problems the design may have, and then make the molds for plastics to be poured into.” For Truhlar, his career is a perfect fit - and he’s sure that more schools should encourage kids that like to make things to consider manufacturing training as a viable option to college degrees. The technology aspect of manufacturing has changed the career dramatically since the early 1970s. “When I grew up, you had to be mechanically-inclined to do this kind of work. Today, the machines work with kids that are used to video gaming. The tools are computerized and way easier to use,” Truhlar said.

While Truhlar, now 70, still enjoys his work at Pelco, he’s working three days a week and spending more time with his wife. The future of Pelco Tool will likely fall into the hands of his son-in-law and the other partners’ families. His passion for the next generation of manufacturers is still very evident. “The teachers, the school systems - they need to be reminded that it’s not the best choice for everyone to go to college,” he said. “The kids need to know about this alternative for their careers - many may be happier here, making something.” That’s the kind of kid Truhlar says he was in the 1970s - the kind of
person that dreamed big and worked hard to achieve the American Dream. And the same kind of person and venture that TMA was founded to serve and encourage in 1925.

Pelco Tool & Mold, Inc. • 181 Exchange Blvd, Glendale Heights, IL 60139

Phone: (630) 871-1010 | FAX: (630) 871-1011

Website: www.pelcotoolinc.com • Email: pelco@pelcotoolinc.com

Technology & Manufacturing Association –
http://www.tmaillinois.org/

TAGGED

Career • Chicago • CTE • education • Illinois • machine shop • TMA • Tool and Die • trade • Vocational Education

YOU MAY ALSO LIKE

Strengthening Advanced Manufacturing
How Standardization Can Improve
Manufacturing Parts Like Our

https://manufacturingstories.com/from-tma-graduate-to-company-owner/
Steve Rauschenberger: There is Too Little Interest in Addressing the State’s Budget Fundamentals

Written by John Biver | 05.04.17

A couple of weeks ago I had the opportunity to talk with former state Senator Steve Rauschenberger, an old friend and former boss. When I first met him during his first campaign back in 1992, the political operative I was with made a prediction to me after the meeting: Steve is not going to play along — he’s going to be a problem for the GOP establishment. And he was.

Along with four other senators elected the same year, Steve became part of what was called the “Fab Five”: Peter Fitzgerald, Chris Lauzen, Pat O’Malley, and Dave Syverson. Only Syverson remains in the Illinois Senate today. The group was outspoken and critical of both parties when it came to important policies.

Then Senate President James “Pate” Philip made Steve chairman of the senate’s Appropriation Committee, and Rauschenberger became a respected expert on the budget. In addition, Steve excelled in an understanding of electric deregulation, telecom legislation, and the state’s health care industry. You don’t get that deep into technical issues such as those without ability and commitment.

In the Senate Rauschenberger was a critic of both Governors Jim Edgar and George Ryan, but once Rod Blagojevich took office, Edgar and Ryan looked a whole lot better by comparison. Under Blagojevich, Steve explained, any commitments to restraints were tossed out and mismanagement took hold and both spending and debt skyrocketed.

Curious to hear what Steve had to say about the state budget drama today, I called him. Sure enough, he summed up the state of the state nicely.

When it comes to spending money, he explained, the state is like a raging drug addict that is incapable of dealing with his addiction. Increasing the supply of drugs is as foolhardy as giving the state more money. That addict needs to be committed to a clinic where he can get treatment and break his addiction.

When it comes to state spending, there are three places you’re going to have to look: Medicaid, education, and pensions. On the phone, Steve said there were four areas — he divided up K-12 and higher ed.

When I told him I figured Medicaid was going to be tough to get money from as we transition out of Obamacare, he disagreed. Medicaid payments to hospitals are too high in Illinois, Steve explained, and then he confirmed another one of my recent comments to friends regarding hospital construction. The Rush-Copley near me recently put on a new lobby and facade. Not long ago I learned that some of the floors of a hospital in
DuPage County were being laid with marble from Asia. I was correct that the hospital business was thriving, but wrong about Medicaid — it indeed can be cut according to Rauchemberg.

Eventually the pensions are going to have to be cut off from the state budget, Steve said, as there is no legal requirement for taxpayers to keep funding the system. The proliferation of six-figure pensions for retired state employees is (and these are my words) legalized theft.

As for the K-12 and the state colleges and universities, there has been little discipline when it comes to spending for many decades. It’s for the kids, don’t you know, and uh, the young adults attending college.

On the topic of the budgetary standoff between Governor Bruce Rauner and House Speaker Mike Madigan, Steve then compared the state’s budget to a machine. Government programs operate like an engine, and when there is something wrong with the engine, just adding more fuel (through tax increases) solves nothing.

You have to fix the engine to balance the budget. In some policy areas the only adjustment needed will be the turning of a few dials. In other areas, a tune-up. Still others, a complete overall is absolutely required. Unfortunately, he said, right now there seems to be little interest in addressing the fundamentals.

When Illinois Senators Kyle McCarter (R-Vandalia) and Dan McConchie (R-Lake Zurich) introduced their “Taxpayer Bargain” budget proposal a few weeks ago they described it as strong medicine for a very sick state.

After talking with Steve Rauschenberger, it looks like major surgery will be required along with that strong medicine.

---

For up-to-the-minute news, action alerts, coming events and more you can now sign up for IFI Text Alerts!

Stay in the loop by texting “IFI” to 555888 or click HERE to enroll right away.

---

Click HERE to donate to IFI

---

John Biver
John Biver is a Christian, an American citizen from Illinois, and works in the arena of applied political science. He is a writer, activist, and analyst with over twenty-five years of experience in the political arena. John has worked in politics and government in Washington, D.C., and in Illinois at the state and local level. His personal website is johnbiver.com. Full bio and more from John Biver

---

Related Articles

https://illinoisfamily.org/politics/steve-rauschenberger-too-little-interest-addressing-states-budget-fundamentals/
MANUFACTURING PARTS LIKE OUR LIVES DEPEND UPON IT

April 24, 2017

Robert Weisheit, Jr. of Robert C Weisheit Company

By Fran Eaton for the Technology & Manufacturing Association’s February News Bulletin – Reprinted with permission

Making close-tolerance machined components that go into military and aeronautic products is a critical task that weighs heavily on Bob Weisheit, Jr., president of Robert C. Weisheit Company.

Lives depend upon the accuracy and quality of the crucial parts his team at Weisheit Company makes from difficult-to-machine materials such as Inconel, tungsten and titanium.

“And when we’re talking about close tolerance, some of our work is down to four places to the right of zero,” Weisheit told News Bulletin recently.

Add to precision the importance of on-time delivery of those crucial parts, and Weisheit’s work doesn’t get much more challenging.

But it’s rewarding, too.

“Knowing how important the components we make are in the proper functioning of equipment that protects our country and the countries of our allies around the world,” is just part of what the 62-year-old says keeps him going at the helm of the second-generation company.

Bob started working with his dad in 1972, right after graduating from high school.

His father started the company in the family basement in 1946. Eight years later in 1954 – the same year Bob was born – he moved the company to a 3000 square foot building in Franklin Park.

Bob continued working for his dad while he pursued a business administration degree at local colleges. In
1980, he bought the company from his dad, who then retired.

At the time, Weisheit Company's work was mostly building dies with some low-volume production turning and milling work. But within two years, Bob bought the company's first Hardinge CNC lathe, and things changed dramatically.

"The new machine allowed me to make more complex parts, and we received our first order for aerospace components," Weisheit said. "The parts were for President Reagan's Star Wars or Strategic Defense Initiative. By 1990, we had added new customers and five more CNC lathes and six CNC machining centers. Our employee count grew to 15 people, with over $1,000,000 in sales."

Today, Weisheit is located in a 48,000 square foot Glendale Heights building, where 50 people work to ship out $10 million annually in precision-machined components, primarily to aerospace and defense-related companies.

Growing a successful company like Weisheit was a challenge, but its success has been good for everyone associated with the company, he said.

"We believe growth is good for our customers, our employees and our suppliers. Growth keeps work interesting, and certainly adds to profitability," Weisheit said.

He pointed to four crucial things needed to grow a business that must happen in the right order.
"First, you need customers that require the products and skills you can provide. Next, if you have that, then you need larger buildings, more qualified people and finally, more machines and equipment," he said.

Investing in the right technology and trying to predict what type of work will be in demand is another crucial part of growing a successful manufacturing business.

Thirty years ago, a typical new machine cost 80 to 100 thousand dollars. Today, it is not uncommon for a single machine to cost over half a million dollars. A mistake on purchasing equipment could be devastating for a company.

Weisheit credits the time he's spent networking with TMA members at TMA events and committee meetings as having had a part in his company's overall success. He served as the organization's board chairman in 1996.

"I've had numerous mentors at different periods of my career that were TMA members. Working alongside them on committees and on the board of directors, I saw experience in action and learned many things that helped me run and grow our business," he said.

Weisheit continues to meet on a regular basis with eight other peers in the business to discuss topics from business performance to industry outlooks.

"I feel very fortunate to have a handful of strong friendships born out of our TMA involvement,"
Weisheit said.

So, with a crucial task at hand of creating accurate, high quality parts that can have a bearing on life and death, Weisheit persists in crediting others with his success.

"I am now in the 44th year of my machining career and I have been very fortunate. God has been very good to my coworkers and me. He has allowed us to make a living doing challenging and important work to protect our country," he told TMA News Bulletin.

"Today I mainly coach from the sidelines. The employees are the ones on the field. They play hard and they win – all for our team."


**ROBERT C. WEISHEIT COMPANY | PH: 847-648-4991 | FAX: 847-648-4956**

999 Regency Drive, Glendale Heights, IL 60139, United States of America


E: sales@weisheit.com
NEW TMA CHAIRMAN'S SOLUTION FOR LABOR SHORTAGE

April 24, 2017

Aaron Wiegel has a solution to the labor shortage plaguing the manufacturing industry and he wants to share it with his competitors, to keep manufacturing alive and vibrant in the U.S. Together, he wants to
create more certified programs through the U.S. Dept. of Labor and recruit students from local high schools and colleges, by dispelling the old myth of workers laboring in grungy factories and showing the next generation of workers that manufacturing offers well-paying, technology-based careers.

Continue reading at: Journal Online

TAGGED

Business · education · elk_grove_village · news · Skills Gap · Training · vocational

YOU MAY ALSO LIKE

3 Habits of Exceptionally Productive Leaders
April 24, 2017

Why Everyone Wins with Apprenticeships
April 23, 2017

Closing the Skills Gap with ‘Brilliant Learning’
April 23, 2017

SME and NASA's HUNCH Partner to Engage Youth in Advanced Manufacturing

Seventeen Jobs, Five Careers: Learning in the Age of Automation

New Collar Jobs | IBM THINKPolicy
April 21, 2017

https://manufacturingstories.com/new-tma-chairmans-solution-for-labor-shortage/
TMA Awards South Elgin Young Manufacturing Leader

For the past two years, the Technology and Manufacturing Association has recognized outstanding young leaders in the industry with an award named after Stacey Bales, who became president of Bales Industry when her father died unexpectedly. Ms. Bales’ leadership as a woman under 30 was exemplary, inspirational and recognized by her peers in establishing an annual award in her name TMA Illinoi.

TMA Illinois

For the past two years, the Technology and Manufacturing Association has recognized outstanding young leaders in the industry with an award named after Stacey Bales, who became president of Bales Industry after her father died unexpectedly. Ms. Bales’ leadership as a woman under 30 was exemplary, inspirational and recognized by her peers in establishing an annual award in her name.

Jeff Majewski, general manager of KrisDee and Associates in South Elgin, received the Technology and Manufacturing Association’s 2017 Stacey Bales Young Leader Award March 4th at the association’s 91st Annual Dinner.

Majewski has been with KrisDee since 2008 and became general manager five years ago. The company is a contract manufacturer of precision machined components and assemblies made from castings, forgings, extrusions and plate.

A 2011 graduate of DePaul University’s Keller Graduate School of business, Majewski’s undergraduate work was in history at Loyola University in Chicago.

Majewski was recognized by his peers in TMA’s Young Leaders Committee for his contribution to the committee’s efforts and his leadership in the association’s work.
TMA Awards Schiller Park Manufacturing Leader

The Winzeler Award recognizes TMA members that embody the passion and vision for TMA and manufacturing that founding member Johnny Winzeler displayed. TMA

TMA Illinois

The Technology & Manufacturing Association's 44th Winzeler Award was presented March 4th to Tom Simone, president of Manor Tool in Schiller Park.

The Winzeler Award recognizes TMA members that embody the passion and vision for TMA and manufacturing that founding member Johnny Winzeler displayed.

New Orleans

$450

vaith.com

Elgin residents dismayed over plans to cut down 100-year-old oak trees

Elgin residents dismayed over plans to cut down 100-year-old oak trees

Most Popular

School districts holding millions of dollars in reserve than state recommends

The Illinois State Board

Ford, Chevy supercars defy the Dodge Demon

The American horsepower wars are in full swing. Must-see car.

Garbage truck driver cited for rolling onto car south of Woodfield

The driver of a garbage truck that flipped on its side.

Suburban men charged in connection with major drug pipeline

A statewide investigation into a multi-state Chicago drug pipeline resulted in the seizure of more than 190 kilograms of drugs.

'I'M A GONER': El Feliz's last hours as ship sails into storm

Amid howling winds, blinding squalls and rough, choppy seas, El Feliz hit the high seas.

Lake In the Hills meat market to operate East Dundee cabeose concession stand

Butcher on the Block, a new butcher shop in East Dundee, will be operating a hot dog stand at the West Dundee Caves.

On deck: Chicago Cubs get World Series rings

One down, one to go.

The Chicago Cubs raised their World Series rings.

Elgin cigarette torture suspect in more trouble

A Lake in the Hills man accused of masterminding the pepperrowing.

Get articles sent to your inbox.

Click here to sign up for the Schaumburg Newsletter

1

0

Book Now

Book Now

This article filed under: Schaumburg, Schiller Park, Submitted Content
Technology & Manufacturing Association elects new chairman

Daily Herald Report

The Technology and Manufacturing Association elected Jim Car as its 78th chairman of the board.

Jim Car

Walding and Manufacturing, and Rich Klose, president and CEO of Smith & Richardson.

Car is president and owner of Big Grove Village-based Carr Machine & Tool Inc. “It is a great honor for me to be selected by my peers for this important assignment,” Car said. “I look forward to working with my fellow board members and TMA staff to continue our commitment to be the foremost manufacturing association in Illinois.

Car was sworn in at TMA’s 58th annual meeting on March 5 at the TMA headquarters in Schaumburg. He thanks outgoing Chairman Amadi Onw.

TMA also elected three new board members: Jason Zenger, president of Zenger’s Industrial Supply and partner in Centric, Bill Duewe, president and CEO of H-Grade, and Bill Dwyer.

Raising from the board are Stanil Szalay, Brian Pavek, and Paul Priest.

Car is a 25-year veteran of the manufacturing industry and has worked in all roles of his family’s high precision CNC machine business. Carr Machine specializes in low-volume, close-tolerance, multi-axis machining. Last year, Car and a friend launched a podcast called MakingCasts, targeted at manufacturing leaders. The show has generated more than 50,000 downloads. Car previously served as vice chairman, as well as treasurer of the TMA board, where he was a member for more than ten years. Car also serves on its advisory board at Harper College and High School District 211.

TMA started in 1962 when eight small manufacturing companies thought they could better themselves by associating with one another. Through the years, members established programs and services to help their businesses grow and prosper, both employees and provide medical and retirement benefits. TMA has grown into almost 1,000 member not-for-profit organization representing more than 80,000 employees of precision manufacturing and supplier companies throughout Illinois.

This article filed under: Business, Manufacturing, Technology

Most Popular

School districts holding millions of dollars in more than $1 billion

Ford, Chevy question fuel for 2004

Garbage truck driver cited for

Ripple effect on car

Renewable energy

Electricity

Subway

TWA: A GHOST!

Freddy’s last hour as stop sale into south

Alfred Arl’s insurance

Lease in the Hills

Two due to

Oriental Classic

Eligible electorate

Prevailing wage

Community split on

U-6 muscles

Preventative maintenance

This Week’s Circulators

1275 $53

Book Now

Seattle

Book Now

Local News

New Orleans

1019

560

560

About Us

Home

Contact Us

Privacy Policy

Terms of Service

© 2023 Big Grove Village

Follow Us On:

Facebook

Twitter

LinkedIn

Pinterest

Instagram

YouTube

Powered by WordPress

This site uses cookies to improve your experience. By

clique aqui para saber mais.

policy.

AdChoices

Search

My Posts

Sign up

RSF

1211

1275 $53

Seattle

Book Now

Local News

New Orleans

1019

560

560

About Us

Home

Contact Us

Privacy Policy

Terms of Service

© 2023 Big Grove Village

Follow Us On:

Facebook

Twitter

LinkedIn

Pinterest

Instagram

YouTube

Powered by WordPress

This site uses cookies to improve your experience. By

clique aqui para saber mais.

policy.

AdChoices

Search

My Posts

Sign up

RSF
From the community: TMA Awards South Elgin Young Manufacturing Leader

For the past two years, the Technology and Manufacturing Association has recognized outstanding young leaders in the industry with an award named after Stacey Bales, who became president of Bales Industry when her father died unexpectedly. Ms. Bales' leadership as a woman under 30 was exemplary, inspirational and recognized by her peers in establishing an annual award in her name.

Jeff Majewski, general manager of KinDee and Associates in South Elgin, received the Technology and Manufacturing Association's 2017 Stacey Bales Young Leader award March 4th at the association's 91st Annual Dinner.

Majewski, has been with KinDee since 2008 and became general manager five years ago. The company is a contract manufacturer of precision machined components and assemblies made from castings, forgings, extrusions and plates.

A 2011 graduate of DePaul University's Kellstadt Graduate School of Business, Majewski’s undergraduate work was in history at Loyola University in Chicago.

Majewski was recognized by his peers in TMA’s Young Leaders Committee for his contribution to the committee’s efforts and his leadership in the association’s work.

This item was posted by a community contributor. To read more about community contributors, click here.
From the community: **TMA Statement on the Governor’s Budget Address**

TMA, the Technology and Manufacturing Association, has issued the following statement in response to the Governor’s budget address:

TMA welcomes Governor Rauner’s stated commitment to economic growth and support of job creators throughout Illinois. We applaud his continued calls for workers’ compensation reform and a property tax freeze, as well as other structural reforms that are critical to maintaining a robust manufacturing base in Illinois.

**FROM OUR PARTNER:** Charging Bull: Sculptor Addresses NYC of Voting Rights

We are hopeful the Governor can shift the conversation to a more balanced approach that makes Illinois employers more competitive, strengthens Illinois families, and sets us in control of State of Illinois government spending.

About TMA: 8 small manufacturing companies who thought they could better themselves by associating with one another founded TMA in 1925. Through the years, members established programs and services to help their businesses grow and prosper, train their employees, and provide medical and retirement benefits. TMA has grown into an almost 1,000-member not-for-profit organization representing more than 20,000 employees of precision manufacturing and supplier companies throughout Illinois.
ARLINGTON HEIGHTS POST

From the community: TMA Awards Roselle Female Manufacturing Leader

Ms. Wiegels holds a degree from Northern Illinois University in mechanical engineering, and continues to fund an NIT scholarship to encourage future engineers.

She has won numerous awards for her leadership in manufacturing, including Suburban Life Media's "Best Under 40" in 2016 and Northern Illinois University's 2014 College of Engineering Technology Alumni of the Year.

This item was posted by a community contributor. To read more about community contributors, click here.
New TMA Chairman's Solution For Labor Shortage

Aaron Wielgus

New Orleans

$199

Submit Your News!

Calendar

More From Journal & Topics

Boats Bikses & Hikes.

Sections

Services

Contact us

Search
From the community: TMA Awards Schiller Park Manufacturing Leader

Winzeler’s grandson John presented the Swiss Atmos clock award to Simeone, who learned about manufacturing at his father’s side. After obtaining a degree from the University of Illinois’ engineering school, Simeone became a tool & die apprentice, with training through TMA’s classes.

He went on to become Manor Tool’s president in 1987, where he continues to serve today, along with two of his three children.

Simeone is very active in TMA, having served on the board of directors, the government relations committee and the education and careers committee.

This item was posted by a community contributor. To read more about community contributors, click here.

Copyright © 2017, Chicago Tribune
TMA Awards Roselle Female Manufacturing Leader

The award is presented every year to a woman that has made outstanding contributions to advance the manufacturing industry and the 90-year old Technology & Manufacturing Association, headquartered in Schaumburg, IL.

TMA Illinois

Technology & Manufacturing Association’s annual Rose Mott Award is named after a woman that showed great courage and ingenuity as she led a company her husband founded to great heights after his death.

Wyndham New Orleans French Quarter

Earlier this year, TMA’s 2017 Rose Mott Award was presented March 4th to Erica Wiegert, the CEO and President of ABO Metal Stamping in Roselle, Illinois.

The Wiegert Family Foundation, which is named after her parents, has donated many millions of dollars to the University of Illinois and other institutions and organizations.

After spending many years at her father’s side learning manufacturing first hand, Erica and her brothers became co-owners of Wiegert Tool Works in 2010. As the company expanded, the Wiegert Family Foundation was founded.

Wiegert Tool Works is a manufacturer of high-quality metal stampings and machined parts for the automotive, aerospace, medical, and defense industries. The company also produces custom metal stampings for a variety of other industries, including the medical and defense industries.

Ms. Wiegert holds a degree in mechanical engineering and continues to fund an NIU scholarship to encourage future engineers.

She has won numerous awards for her leadership in manufacturing, including Suburban Life Media’s “Best Under 40” in 2016 and Northern Illinois University’s 2014 college of engineering Technology Alumnus of the Year.

Get articles sent to your inbox.

Click here to sign up for the Schaumburg Newsletter

This article filed under: Elk Grove Village Hanover Park Roselle Schaumburg Submitted Content
New TMA Chairman’s Solution For Labor Shortage

By MELANIE KALMAR Special to the Journal | Posted: Friday, April 7, 2017 11:50 am

Aaron Wiegel has a solution to the labor shortage plaguing the manufacturing industry and he wants to share it with his competitors, to keep manufacturing alive and vibrant in the U.S. Together, he wants to create more certified programs through the U.S. Dept. of Labor and recruit students from local high schools and colleges, by dispelling the old myth of workers laboring in grungy factories and showing the next generation of workers that manufacturing offers well-paying, technology-based careers.

Wiegel, the newly appointed chairman of the Technology & Manufacturing Association (TMA), wants to encourage members of TMA to roll out the program that has worked at his own company, Wiegel Tool Works in Wood Dale. His goal is to take on two new apprentices a year; currently he has seven.

Certified by the U.S. Dept. of Labor, the workforce development program at Wiegel Tool Works gives apprentices an opportunity to earn $40,000 to $50,000 a year while they receive on-the-job training from seasoned journeymen.

“It is 10,000 hours (five years) of training on specific equipment we designate and three years of schooling at TMA,” he said. “Then you are a certified Journeyman. It’s close to earning a diploma. You can use it anywhere in the U.S.” It’s a benefit he points out to students -- accrue college loan debt or earn while you learn a trade -- during speaking engagements at area high schools and colleges.

Wiegel is a third-generation president of Wiegel Tool Works, a contract metal stamper of high precision electrical components, that was founded by his grandfather 75 years ago, the day before Pearl Harbor was bombed. His father retired in 2010 and passed the torch to him and his two siblings, Erica and Ryan.

“We’re not producing enough skilled labor,” Wiegel said. “Plus, the Baby Boom generation is about to retire in the next five to seven years. Not only are we not creating new talent, all we’re doing is trading employees, poaching our way to being uncompetitive in our area.

“The Chicago area used to be the Tool & Die capital of the world,” he said. “When I travel to Michigan, Indiana, New Jersey and Ohio, I see that they are all having the same problem. The one advantage we have over them is the TMA. It’s a strong association that was founded on education.” TMA has nearly 1,000 members in Illinois that employ more than 30,000 workers.
Strengthening Manufacturing through Advocacy

Trade organizations are providing the guidance and resources needed to prepare students and women for careers in advanced manufacturing.

With a growing number of employees nearing retirement, workforce development continues to be a central issue for manufacturing business owners and managers. Some companies are opting for membership in trade organizations such as the Technology and Manufacturing Association (TMA), local chapters of the American Mold Builders Association (AMBA), and the Canadian Association of Mold Makers (CAMM). These organizations are inspiring

Through grants from the Tooling and Manufacturing Association’s Education Foundation and with help from members of its advisory council, which the TMA helped organize, Lake Park High School in Roselle, Illinois, established a new engineering and machining program to help feed potential, new employee candidates to area companies who need them. Here, Lake Park instructor Matthew Sullivan demonstrates for 22 middle school students how to do CNC coding with a Haas simulator as part of a 2016 summer camp called LancerTek.
examples of how trade-related programs, education, events and other resources help shine a light on today’s moldmaking industry and the potentially rewarding careers available.

**Guiding Manufacturing Curriculum**

The TMA’s Education Foundation is dedicated to promoting manufacturing careers and advancing existing manufacturing training programs that contribute to much-needed workforce development in skilled trades including machining and moldmaking. It also provides both financial and practical resources for schools looking to develop relevant programs that will set students on pathways to viable manufacturing careers. One such school is Lake Park High School in Roselle, Illinois, which is in the second full year of its new machining program. While the school has offered an industrial technology program for some time, its focus was on woodworking, automotive, graphic arts and electronics. But, according to Kevin Jones, curriculum leader for career, technical and fine arts education, it became clear that the program needed to be expanded when members of the business community began requesting that a machining program be developed. “They needed young, skilled employees who could eventually replace their aging employees, and they told our administrators they needed them sooner than later,” Jones says. The TMA helped Lake Park establish an advisory council by putting the call out to its membership. Today, the council is made up of representatives from about 30 manufacturing enterprises in the local area, as well as the TMA. “We held our first meeting of the council in May 2013, and the momentum took off,” he says. Over the course of the next year, the council met monthly to discuss what types of programs the school would offer, and for the 2015-16 school year, level one of a new Engineering and Precision Machining Technology class was offered, which focuses on operation of manual mills and lathes. More than 60 students enrolled. The following year, level two of the program was launched, introducing students to CNC equipment operation. To further strengthen the program, Jones says the advisory council suggested that both program instructors take the Introductory Hands-On CNC training offered by the TMA. They attended the 16-week course, which combined theory and hands-on training in the setup, operation and programming of CNC mills and lathes, earning National Institute for Metalworking Skills (NIMS) credentials for both.

Concurrent with the high school launching its new machining program was the introduction of three “Project Lead the Way” courses, including Introduction to Engineering Design, Principles of Engineering and Computerized Integrated Manufacturing. By the end of the 2015-16 school year, more than 290 students had enrolled in the new industrial machining program. Realizing that the high school did not have the capacity to house these new programs, a new Innovation Center was added, with the advisory council providing valuable input about the design and layout of the new facility, Jones says. It features a 26-station computer lab/classroom; a large production area for manual and CNC machines; a storage area/toolroom; and safety features, such as power shutoffs on each wall, an eyewash station and more.

A $50,000 grant from the TMA’s Education Foundation enabled Lake Park to purchase equipment needed for the program, including a Haas Mini Mill VMC with a 10-tool toolchanger. “In the past year, members of the advisory council have donated cash, equipment and tooling in excess of $100,000,” says Ian Smith, the school’s assistant principal. “We were recently awarded a second, $39,000 grant from the TMA Education Foundation to help purchase another Haas Mini Mill, toolchanger and accessories this year. Other equipment in the lab includes two Haas TL-1 lathes, fully enclosed, with quick-change toolholders; four Bridgeport manual mills; four Sharp manual lathes, each with three-jaw, four-jaw and 5C collet holders set up with quick-change toolholders. A Mitsui surface grinder; a jet horizontal band saw; a pedestal grinder; and two LED TVs for demonstration and instruction purposes. Most recently, we received a $12,725 donation from our AC members to purchase an Epilog Laser engraver.”

As part of the training program at Lake Park, students have worked internships at local manufacturing companies Avanti Engineering Inc. and Robert C. Weisheit Co. “We are currently working with mold manufacturers Pro-Mold & Die and Matrix Tooling Inc. to provide more opportunities for job shadowing and internships for moldmaking,” Jones says.

“aradvisory council continues to meet every other month to discuss programs, equipment, training and careers in the manufacturing area,” Smith says. “The advisory council gave guidance in the development of our academic program as well as our facility needs. Beyond the curriculum, the TMA Education Foundation grants have provided significant seed money to help our district offset the cost of some of our equipment. I cannot express enough just how grateful we are for their assistance with our program.”

**Marketing Careers in Moldmaking**

During a dinner meeting in 2012, a video was shared with members of the AMBA Chicago Chapter that would impact the course of that chapter’s work. “I remember the emotional reactions we all experienced as we learned how the faculty at Eleva-Strum High School (Strum, Wisconsin) developed a vocational manufacturing curriculum that then led to the school actually establishing a real, student-run manufacturing company called Cardinal Manufacturing,” says Francine Petrucci, president of Aurora, Illinois-based B A Die Mold Inc. and immediate past chair of the AMBA chapter. “It was like a
fire was lit beneath us and we had to do something about it."

She says the video, which was produced by Creative Technology Corp., so affected members that, by the end of the evening, an education committee was formed. Since that time, the committee has been actively promoting advanced manufacturing careers using various marketing strategies. With some initial seed money provided by the chapter’s board of directors and later using funds from two $5,000 grants won as AMBA Chapter of the Year in 2015 and 2016, the committee, with assistance from Creative Technology, established its own website (moldyourcareer.org); adopted the telltale slogan “Earn While You Learn;” and developed a brochure featuring career path options for budding moldmakers, designers and machinists, including education requirements, salary potential versus other, non-manufacturing career options, and other useful information geared to both students and their parents, teachers and counselors.

“Fortunately for us, one of our active committee members is a long-time veteran of moldmaking and a noted instructor in the Chicago area, Joe Genc,” Petrucci says. “We were able to post the Moldmaking 302 course syllabuses that Joe created for the TMA, where he is an instructor, on our website, which provides an excellent overview of the trade, the training, course descriptions and overall performance expectations of apprentices.”

The materials are distributed at area high school and community college career and job fairs, with members volunteering their time and their apprentices’ time to staff tabletops and booths. “No one hesitated when it was proposed that our apprentices become actively involved at events, as able,” Petrucci says. “These ‘student advocates,’ as we call them, relate best with the young people and were particularly successful with engaging the hundreds of students that visited our booth in the Smartforce Student Summit at IMTS 2014.” Time was short and expectations were high, she says, when Chicago AMBA learned there was a booth available at IMTS that year. “We mobilized the committee and every member faithfully executed his or her tasks, including having banners made, providing an injection mold to display with parts molded from it and a video showing it in action; plus, we had many other molded parts on display that were components for products the students could relate to. Apprentices staffed the booth with their bosses every day during that week-long event.”

Petrucci says the experience helped the education committee connect with schools it would otherwise never have communicated with, triggering new ideas for how to reach even more educators and counselors. For example, in 2015, the Chicago Chapter accelerated its efforts by hosting its first supplier night fundraiser, which Petrucci says garnered enthusiastic support from more than 35 exhibiting suppliers. Funds raised were earmarked for yet another new marketing initiative, an annual Careers in Advanced Manufacturing Educators’ Symposium. At the symposium, more than 40 superintendents, teachers and school counselors were invited to learn about rewarding careers in mold manufacturing. Roundtable discussions were led by AMBA members, their apprentices, manufacturing instructors and others to provide attendees with more in-depth and personal perspectives about mold manufacturing, the demand for highly-skilled workers, the earnings potential and more. The superintendent from Leyden High School District 212 (which has a successful manufacturing program) spoke and reinforced the importance of schools-based manufacturing programs and described Leyden’s success in building relationships with area businesses, such as A-1 Tool Corp., which participates on its advisory board. In 2016, an additional educators’ symposium was held at Industrial Molds Group in outlying Rockford, Illinois, to bring its message to another region where manufacturers are in need of an influx of new, promising talent.

The AMBA’s Chicago chapter continues to cultivate new ways to promote moldmaking and related advanced manufacturing career opportunities, including participating at Manufacturing Day events hosted by machine tool suppliers such as Toshiba and GF Machining Solutions. It has shared its
successes with other AMBA chapters that want to duplicate its programs. “Our board and its members believe that, in order to grow the industry and create stronger chapters within the AMBA, we have to work together,” Petrucci says.

**Connecting Women with Manufacturing**

The Canadian Association of Mold Makers represents more than 50 mold manufacturing companies and 60 mold industry supplier companies. Jonathon Azzopardi, CAMM’s current chairman and president of Tecumseh, Ontario-based moldmaker Laval International, says the skilled worker shortage is a challenge that still resonates in the region. “There are still many skilled manufacturing positions to fill in Windsor, and we believe women are the answer. CAMM is working to introduce women to careers in moldmaking through our partnership with WEST,” he says.

WEST is Women’s Enterprise Skills Training of Windsor Inc., a non-profit organization that has operated in the Windsor-Essex region since 1987 and caters to the needs of women facing significant barriers to employment oppor-

“...We seem to forget the important roles women have played in supporting manufacturing on both sides of the border.”

...unities. Azzopardi says CAMM members help WEST organize events, develop relevant curriculum, provide plant tours and connect women with potential employers as part of the industry council organized by WEST, and the benefits are mutual. “WEST graduates help to fill the open positions on CAMM members’ shop floors,” he says.

In partnership with St. Clair College, an Ontario-based college offering degrees and graduate certificates in advanced manufacturing, WEST launched the Women in Skilled Trades and Information Technology (WIST) program in 2014 with a pre-apprenticeship training program, which includes skills enhancement classes and job placements with local employers such as CAMM member companies. “The pre-apprenticeship curriculum is designed by manufacturers around the needs of the industry, and focuses on various aspects of related manufacturing processes such as CNC, electrical, pneumatics, hydraulics and mechanical,” Azzopardi says. “This enables women to be more valuable employees from the start.”

---

**Sodick**

Rapid Booth #2223
May 9th - 11th, 2017

NEW High Efficiency Parallel Mode
With Sodick’s latest Parallel Mode technology, the OPM is capable of lasering at three separate locations simultaneously, without the costly requirement of multiple laser units.

In-Process Correction
The OPM now comes with an In-Process Correction System available, aligning the laser and milling process through the use of a CCD camera. Greater accuracy, greater speed, less maintenance.

99.99% Part Density
The OPM regularly achieves part densities at 99.99%, the best in the industry. Have confidence in your critical components, knowing they are the strongest Additive parts available.

---

Seen for the first time at IMTS, the OPM250L drew a record crowd. This May, at RAPID 2017, Sodick joins other leaders in 3D Printing to demonstrate the most powerful printer on the market. With new technologies to multiply productivity, the OPM is a leader in part finish, density, accuracy, and lead time. See the latest OPM upgrades firsthand in Booth #2223 at RAPID, May 9th - 11th. Compare the OPM with other industry leading printers, head to head, and see the difference for yourself.

To learn more about the OPM and Sodick Metal 3D Printing technologies, email **Sales@sodick.com** or call us at (847) 310 9000

**Sales@sodick.com** www.sodick.com (847) 310 9000
Rose Anguiano Hurst, executive director of WEST, says WIST comprises a combination of classroom instruction, workshops and practical labs that teach employability skills and workplace culture. Workshops are led by women who already work in the traditionally male-dominated trades and are designed to build confidence and offer insight into the manufacturing industry. “We assume too easily that no barriers exist for women, but this is not reality,” Azzopardi explains. “Together, CAMM and WEST work to prepare both the candidate and the potential employer for the employment phase. Each situation is unique and CAMM provides necessary support and education for a successful landing in these companies.”

In addition, CAMM is also involved with Build a Dream, an annual, day-long event established in 2012 and hosted by several Windsor-based organizations including Workforce Windsor-Essex, St. Clair College, WEST and the University of Windsor’s engineering faculty. Nour Hachem-Fawaz, employer relations and co-op coordinator for the University of Windsor’s Co-op, Career and Employment Services department, explains that the event is aimed at educating parents and their daughters about career opportunities in manufacturing and other sectors that are significantly under-represented by women. “This event was created after a study we conducted showed that parents were the No. 1 influence when it came to career decisions,” she says. A career fair is a featured part of the event, and both Laval International and Cavalier Tool and Mold, also a CAMM member company, are among those that have been vocal about increasing the number of women pursuing the trades. Both companies sponsored Build a Dream, contributing to the planning and materials development, participating in panel discussions, and also attending the career fair to talk with parents and young women who attended the event, Azzopardi says.

“History has a way of repeating itself,” Azzopardi says. “Women were the key to the manufacturing industry that helped fuel the North American supply chain during World War II. We seem to forget the important roles women have played in supporting manufacturing on both sides of the border. It’s way past time to give them a second look.”

---

Amazingly Versatile, Surgically Precise

MillStar’s EV5 series is engineered for maximum versatility and repeatability. With its unique combination of features, EV5 is the ideal end mill for diverse applications including medical and aerospace.

- Reinforced cutting edge allows increased chip load without edge failure.
- Variable pitch accommodates large step-overs with no bottom vibration.
- Variable helix prevents side vibrations while achieving greater depth of cut.
- Corner radius preparation for longer machining times without radius failure.
- Exceptional performance with high temperature alloys.

4930 S. Lapeer Rd. • Orion Twp., MI 48359 U.S.A.
Phone: (586) 573-9450 • Fax: (586) 573-9451
Sales Inquiries Welcome

FOR MORE INFORMATION
Technology and Manufacturing Association
847-825-1120 / tamillinois.org
Canadian Association of Mold Makers
519-255-7663 / camm.ca
American Mold Builders Association,
Chicago Chapter
708-227-0373 / moldyourcareer.org
Physical Product Innovation Center mHUB Officially Opens Its Doors

Manufacturing and Entrepreneurial Community Leaders Convene to Celebrate the Future of Collaboration and Product Innovation; More than $8M in Partner Funding and 100+ Members to Date; First GE Fuse™ Site Opens at mHUB

Chicago, IL (PRWEB) March 02, 2017 -- Mayor Rahm Emanuel and mHUB’s board of directors, today announced the official grand opening of mHUB, a physical product innovation center and micro-factory designed to galvanize the manufacturing ecosystem by generating innovative ideas, attracting world-class talent and fostering collaboration. Born through the combined efforts of Chicago’s leaders in business, innovation and research, mHUB offers Chicago’s burgeoning product manufacturers access to state-of-the-art facilities, along with resources to develop and bring new products to market. More than 100 early-stage product innovators have already joined prominent global and local manufacturers as founding members of the mHUB community.

“mHUB merges state-of-the-art innovation with our city’s industrial heritage to build a brighter future for all of Chicago,” Mayor Emanuel said. “I look forward to seeing mHUB’s bold vision further strengthen Chicago’s vibrant entrepreneurial community and manufacturing ecosystem.”

“By doing one thing exceptionally well – enabling talented innovators to develop physical products – mHUB will play a critical role in Chicago’s innovation ecosystem and drive growth for entrepreneurs, local manufacturers and the global companies that join us,” said Hugh Sullivan, senior adviser of Morgan Stanley, chairman of mHUB’s board of directors and executive committee, and former manufacturer.

The 63,000 square-foot mHUB facility offers a full product development environment along with ten fully equipped specialty labs including a 3D-printing lab, electronics labs, metal fabrication lab and more. mHUB boasts more than $2.5 million of prototyping and manufacturing equipment, unsurpassed in similar product innovation centers across the U.S. In addition, mHUB serves as a connection point to the larger community by partnering with established manufacturers, business accelerator programs, venture capitalists, engineering and product development consultancies, universities and providers of industry-specific business services, to provide members with access to these important services.

mHUB’s manufacturing industry partners view mHUB as a vital component to support product innovation and technological advancement. mHUB has received commitments of more than $8 million from its industry partners including Marmon, Chamberlain Group, U.S. Economic Development Administration, GE Ventures, Kirkland & Ellis, Arrow Electronics, UL, Chase Foundation, World Business Chicago, Motorola Mobility, Autodesk, Jones Lang LaSalle, Technology and Manufacturing Association (TMA), Comcast Business, Wiegel Toolworks, Ask Power, IFF, KPMG, MINIMAL, who also designed MHUB’s visual brand identity, Inventables and Solidworks.

mHUB was incubated by World Business Chicago’s Advisory Council for Chicagoland Manufacturing, along with community partners: UI Labs, Chicagoland Entrepreneurial Center (CEC), the Illinois Science and Technology Coalition and Catalyze Chicago.

“mHUB offers an inclusive environment where entrepreneurs have access to a state-of-the-art facility, equipment, education and programming, and a vast industry network – all of which have been aggregated with the sole goal of lowering the cost and barriers for physical product innovation,” said Haven Allen, executive
director of mHUB.

To date, mHUB has more than 100 members, and intends to triple that number in its first year. mHUB is continuing to accept membership applications for prospective community members at www.mHUBchicago.com. Membership rates start at $145 per month for part-time access to the prototyping shop. mHUB offers several packages for early stage entrepreneurs up through established enterprises, including shared co-working space and private office rentals within mHUB.

In conjunction with mHUB’s grand opening, mHUB founding partner, GE, announced the opening of the first regional GE Fuse™ location, part of a radical, new approach to manufacturing by the industry leaders that accelerates product and technology development by combining open innovation with small batch manufacturing.

“Fuse is all about bringing smart people together to solve tough problems,” said Dyan Finkhousen, president of GE Fuse and director, GENIUSLINK™. “By plugging into this strong local tech and entrepreneurial scene, Fuse Chicago’s light-manufacturing space will enable purposeful collaboration on the design and development of non-destructive testing technologies.”

The mHUB grand opening activities include a press conference and the official ribbon cuttings of mHUB and GE Fuse, along with three panel discussions entitled "The Future of Manufacturing Innovation," "IoT – The Intersection of Physical and Digital," and "The Economic Impact of Innovation Centers," and a keynote address by GE Vice Chairman, Beth Comstock.

About mHUB
mHUB is Chicago’s first innovation center for physical product development and manufacturing. mHUB is a co-working community of product designers and developers, entrepreneurs, engineers and manufacturers, a network of manufacturing mentors, industry experts and investors, and a source of intellectual and economic capital. mHUB is home to ten shops and labs, including electronics, plastic fabrication, metals and rapid prototyping as well as a microfactory for small production runs.

For more information, visit www.mHUBchicago.com and follow us on Twitter, Facebook, Instagram and LinkedIn. Sign up for mHUB’s newsletter here.
The latest purchase of Atlas Tool & Die Works Inc. is a high-tech machine called a “vertical machining center” that processes parts with complex profled surfaces in single setups. The company’s Lyons factory was built on manual work nearly 100 years ago, and Atlas has participated firsthand in manufacturing’s continuing evolution toward more and more automation.
Zach Mottl, the fourth-generation owner of Atlas, said the current trend is to combine things that used to be done by separate operations into one. “The advances that I’ve been seeing primarily are putting more features, more technology, more precision, more automation on some of the existing technologies,” Mottl said.

Manufacturing still plays a significant role in the U.S. economy, accounting for 12.1 percent of GDP and 9 percent of the workforce in 2015, according to the Bureau of Economic Analysis. For every $1 spent in manufacturing, $1.81 is added to the economy, and for every one worker in manufacturing, there are another four employees hired elsewhere.

---

The Great Recession of 2007-2009 caused a remarkable decline in national industrial production, with the lowest index level of 87.41 in June 2009. (Mengjie Jiang/MEDILL)

---

The common notion that manufacturing in the United States is in decline is factually incorrect. Manufacturers contributed $2.17 trillion to the U.S. economy in 2015, having risen from $1.70 trillion in recessionary 2009, according to the National Association of Manufacturers. Boosted by stronger orders and production, the Institute for Supply Management’s manufacturing index for February 2017 climbed to 57.7, the sixth straight advance and the highest since August 2014.

The continued growth of manufacturing is primarily due to the growth in productivity of production processes. According to the U.S. Bureau of Economic Analysis, the annual output per worker for all manufacturing was $149,299 in 2012, a 90 percent growth from 1998, with the highest improvement, 829 percent, in the production of computer and electronic products, and double-digit growth in automobiles, transportation equipment, miscellaneous products, primary metals machinery, electrical equipment and food.

The production improvement plays a significant role in the change of manufacturing employment. A report released by Ball State University in 2015 attributed almost 88 percent of manufacturing job losses in recent years to enhanced productivity because of technology advancement and the rest to trade and changes in domestic demand for goods. Growing demand for manufactured goods in the U.S. has offset some of the job losses, but the affect is modest, accounting for a 1.2 percent increase in jobs.
Take the manufacturing in the Chicago region. Metropolitan Chicago is home to more than 360,000 manufacturing jobs, accounting for over 60 percent of Illinois’s manufacturing employment, according to a recent report by the Chicago Metropolitan Agency for Planning. From 2001 to 2016, the Chicago region lost approximately 30 percent of 170,000 manufacturing jobs, while output increased by nearly 5 percent in the same time period, hitting an all-time high of $74.8 billion in 2015.

“It’s a trend and there is still no doubt about that. The ability for machines to do what people used to do has increased tremendously over the last 30 to 40 years and will continue to increase,” said Greg Baise, president and CEO of the Illinois Manufacturers’ Association.

Around 50 percent of all the activities people are paid to do in the world’s workforce could potentially be automated, which amounts to nearly $15 trillion in wages, according to a report in January by consultancy McKinsey & Co. The activities most likely to be automated, the report stated, are physical ones in highly structured and predictable environments, as well as data collection and processing. In the U.S., manufacturing, accommodation and food services, and retail trade are among the most susceptible to automation.

However, the report declares that, that given current technologies, less than 5 percent of occupations can be fully automated, and elsewhere automation is more a supplement to human workers.

“Most of the systems or programming and hardware we are working with, we are not working from the ground up, we are using tools that kind of get you 50 percent there,” said Andrew Griesemer, a system engineer at engineering consulting company DMC Inc. “That’s why this job is sometimes referred to as an integrator, as there are a lot of tools out there that do the low level things and it’s our job to combine those. As the level of complexity goes up, so does the sophistication of the tools.”

Griesemer foresees the possibility of small machines monitoring the performance of the larger, production machines.

“Everything is now connected to the Internet. Within the automation space, they are adding more sensors on there that can track of the performance of these machines, and people are now doing is kind of gathering high level data on their higher operation to be able to figure out some of the business side, how these machines are running,” Griesemer said.

Automation is also taking human operators from potentially unsafe operation.

Brain Greviskes, president and CEO of Compass Automation Inc., said the newest technologies are collaborative robots which can almost understand their people process and prevent workers from being hurt while walking into the equipment, and there’s a feedback mechanism internal to the robots that can force them to stop if they bump into a person.
Automation is also stepping into the medical device industry with what’s called “an evolved vision system” to improve the products. “We’ve developed a vision system for some of our surgical implant manufacturers that actually go and measure the surgical implant at the level of microns, so we know how precisely these parts are being manufactured, and they have to be manufactured extremely precisely as they are used in human bodies,” Greviskes said.

Despite the advantages of automation, its pace and extent depend on the cost of technology and labor including skills and supply and demand dynamics.

Asked about the considerations in adopting a new machine, Mottl said, “I look for some type of market demand, or either now I have potential orders from my current customers, or I see I can get new customers if I have this new technology, and I look at the cost of technology and the risks.”

While automation has displaced jobs, it has created new ones over time as an increase in automation reduces the cost of producing using labor, and thus discourages further automation and restores the labor share and employment back to their initial level, M.I.T. research found.

However, there is an inequality during the transition as high-skill labor has a comparative advantage in producing the new complex tasks. In January, unemployment was 2.5 percent among adults with bachelor’s degree and higher, comparing with 5.3 percent among adults with only a high-school diploma, according to the United States Department of Labor.

“Ten years ago if you ask me if computer skills were important on my production crew, I would tell you no, but now computer skills are really important,” Mottl said. “If they don’t know how to log into the computer terminal and input data, they can’t even run a punch press.”

The manufacturing industry has witnessed a yawning gap between job openings and job hires. About 42 percent of 136,000 manufacturing job openings went unfilled in December 2016, versus 26 percent in the previous month, according to the Labor Department.

Baise, of the Illinois Manufacturers’ Association, called for more resources for workforce development programs to help young people get the certifications necessary to work at today’s manufacturing facilities.

“There needs to be a general understanding that manufacturing provides good, middle-class jobs, and it’s a good, long-term career to get involved in it, so society in general should be supportive of that,” Baise said.
Blagojevich casts shadow over budget proposal, ex-senator says

A former Illinois state senator says the “grand bargain” budget being debated in the General Assembly has its roots in the administration of one of Illinois’ most corrupt former leaders.

“As soon as Rod Blagojevich was elected and the Chicago Democrat Party ran the table, everything has been about revenue since then and spending,” former Republican State Sen. Steve Rauschenberger said during an edition of (https://www.youtube.com/watch?v=c9OYTsqYiA&t=24s) Illinois Rising (https://www.youtube.com/watch?v=c9OYTsqYiA&t=24s) recently.

“After two and a half, three years, without any kind of budget, and no real balanced budget, in my opinion, since Blagojevich stepped into the governor’s mansion...” he said. “They propose a spending plan without any kind of reduction in spending. No program reforms, no hiring freeze, nothing.”

Blagojevich, a Democrat, served from 2003 to 2009 before being impeached following a corruption scandal. He is currently serving a 14-year prison term.

The budget, developed by Senate President John Cullerton (D-Chicago) and Senate Republican Leader Christine Radogno (R-Lemont) in January and in the works ever since, is all about spending, Rauschenberger said.
“Their courageous solution was to increase taxes on families and employers in the state of Illinois to bail out their mismanagement for years,” Rauschenberger said. ‘I was very disappointed, particularly in the new idea of a business opportunity tax, taxing payrolls. I mean, at a time when we want to encourage employment growth and the opportunity for people to lead middle-class lives and jobs, a tax on employers and payroll?’


Lawmakers are debating a deadline for reaching the final version of the grand bargain (http://foxillinois com/news/local/new-deadline-for-grand-bargain-02-18-2017). They were expected to take it up again on Tuesday after failing to pass it in the first week of March.

Rauschenberger, now the president of the Technology & Manufacturers Association (http://www tmaillinois org/), criticized the lack of workers’ compensation and other reforms in the proposed budget. He recently sent a notice to members of the association about the plan, Illinois Review said.

“What is apparently not included in the proposal is any explicit pension reform nor any spending reform of Medicaid, K-12 School Spending, higher education spending, or the General Assembly’s spending budget,” Rauschenberger wrote, according to Illinois Review. ‘And what we get in return is minor changes to the workmen’s compensation system and a two year freeze on property taxes.’

During his appearance on Illinois Rising, Rauschenberger said the situation in Springfield is a far cry from his time as a state senator, from 1993 to 2007.

“We eliminated the bed tax,” he said. ‘We reduced some of the levees; we actually had two rebates in the nineties. When Republicans controlled one chamber and the Democrats had the other, we had a downstate governor, everybody kept an eye on each other. The cities couldn’t get away with much, the suburbs couldn’t get away with much, and [then Republican Gov. James] ‘Jim’ Edgar kind of advocated for downstate spending because he thought it had a lot to do with revitalizing downstate Illinois. So there was a balance.’

That balance ended with a new governor in 2003, Rauschenberger said.
Caterpillar’s move to Chicago marks business attitude change, advocate says

Caterpillar’s announced move from Peoria to Chicago is no surprise but does mark an attitude change among Illinois business leaders, a former state senator-turned-technology-and-manufacturing advocate said during a recent radio talk show appearance.

“We’re reaping what we’ve sown, unfortunately,” State Sen. Steve Rauschenberger, now Technology & Manufacturers Association of Illinois president, said during a recent edition of Illinois Rising (https://www.youtube.com/watch?v=-6ptr3rNe0M&t=206s). “The really sad part is we have a new CEO at Caterpillar and his decision is to take his big earners and his big influence and he wants to be able to go and see Shakespeare on Navy Pier. It’s really sad. He’s following ADM from downstate (https://will.illinois.edu/focus/program/brain-drain-in-downstate-illinois).”

Caterpillar’s announcement in January (http://chicago.cbslocal.com/2017/01/31/caterpillar-moving-corporate-hq-from-peoria-to-chicago/) that it will move its executive headquarters from that community to Chicago isn’t just bad news for Peoria and downstate Illinois, Rauschenberger said. It also is further proof of business leadership turning its eyes more and more toward Chicago and away from politics in Springfield, the former senator from Elgin said.

"Leadership, which used to stand for principle and used to argue with Springfield about public policy, is now just joining the surrender crowd in the city of Chicago," Rauschenberger said. "Next thing you know, he’ll be at the fundraisers for (Chicago Mayor) Rahm Emanuel talking about what a fabulous job he’s doing turning the schools around (http://chicagocitywire.com/stories/511065017-chicago-public-schools-face-several-challenges-in-filing-bankruptcy)."

It’s startling news in a state that hasn’t had a budget in two years and faces myriad proposed taxes in the so-called “grand bargain” budget compromise being created in the state legislature. All that after state lost 11,000 manufacturing jobs in 2016 alone (https://www.illinoispolicy.org/illinois-last-in-jobs-growth-first-in-manufacturing-losses-in-2016/), leaving it with the weakest regional job growth for the year, as Illinois has for the past four years. Illinois is only state in the entire Great Lakes region where government workers outnumber manufacturing employees (https://www.illinoispolicy.org/government-workers-outnumber-manufacturing-workers-in-illinois/). Manufacturing job growth in Illinois has for years been growing at a pace slower than in the surrounding states.

Caterpillar’s new CEO thinks differently about downstate Illinois than did the previous CEO, who had always confirmed the company’s commitment to remaining in the downstate, Rauschenberger said.

"New broom sweeps clean," he said.

Rauschenberger added that Chicago has gained nothing for the state in attracting yet another company out of Central Illinois.

"This is just more migration of leadership into the metropolitan area," he said. "It doesn’t bring jobs to the west side of Chicago, it doesn’t bring jobs to the south side of Chicago, it doesn’t bring economic vitality. We’re just trading between Peoria and Chicago. So this is no victory for the city of Chicago, this is another epitaph on the tombstone of the state."
SCHAUMBURG, IL – At the federal level, American manufacturers are encouraged with news from Washington D.C. of policy changes that will encourage job growth and industry expansion.

But manufacturers based in Illinois have been cautious as to whether substantial tax and regulation policy changes will work through to their businesses because for the most part, budget and policy reform from the State Capitol have been confusing and contradictory.

After Governor Rauner’s budget address Wednesday, the Technology & Manufacturing Association (TMA) - which represents 1000 manufacturers and their 30,000 employees responded with caution:

- TMA welcomes Governor Rauner’s stated commitment to economic growth and support of job creators throughout Illinois. We applaud his continued calls for workers compensation reform and a property tax freeze, as well as other structural reforms that are critical to maintaining a robust manufacturing base in Illinois.
- We are hopeful the Governor can shift the conversation to a more balanced approach that makes Illinois employers more competitive, strengthens Illinois families, and reins in out-of-control State of Illinois government spending.
Suburban STEM students create winning invention

From left, Streamwood High School senior Andrea Greter and juniors Sam Enno and Adam Bender secure the blades of a wind turbine to their brackets as they build a microgenerator that could generate enough electricity to power a safety light for public spaces. (John Starks/jstarks@dailyherald.com)

By Madhu Krishnamurthy (mkrishnamurthy@dailyherald.com)

It’s a small generator that could power a small light, but the invention could pay some big dividends for a group of Streamwood High School students.

Their wind-powered generator idea won the state competition in the Samsung Solve for Tomorrow contest, which encourages teachers and students to solve real-world issues using...
classroom skills in science, technology, engineering, arts and mathematics. The 16 students will compete this spring for 10 national finalist slots and ultimately a prize of up to $200,000.

The generator, which students started building this week, will stand about 2 feet tall and could power a safety light — an economical way of illuminating poorly lit neighborhoods or public spaces, such as parks and parking lots.

“It’s like a real-life experience,” said senior Andrea Greter, 17, of Streamwood. “We’re actually finding a problem and fixing it. We’re working to make something real. (Engineering) can solve so many problems.”

Matt Erbach, the students’ mentor and engineering class teacher, says their generator is a “microgeneration” project — the small-scale production of renewable heat and electric power.

“Essentially, we are using a tiny motor as a miniature energy generator,” said Erbach, who also teaches precision manufacturing. “We are using wind power to generate enough electricity to power a safety light, not something that is as bright as a street lamp, but something to make it more visible. Microgeneration isn’t really a big deal here, but in the developing world it is huge.”

Microgeneration can use solar, air source, ground source and biomass energy. It can be an alternative or supplement to traditional centralized power grids that people, small businesses and communities can implement to meet their own needs.

Erbach, a Rolling Meadows resident and a teacher in Elgin Area School District U-46 for 10 years, has entered the contest twice before with other sustainable ideas; he hopes this third attempt will take the school all the way to the top.

Erbach’s 2015 project to teach students about energy management and green housing while helping homeowners save on energy costs was named a state winner in the Samsung contest, but didn’t make the national finals. Still, it earned the school $25,000 in technology
grants, which went to purchase Chromebooks, printers and cameras for several preschool programs within U-46.

This year, Streamwood again will receive another $25,000 in technology goodies, including a laptop to create a video showcasing how the generator can be used to benefit humanity.

“It’s tough to find a problem that the kids can actually get within striking distance of fixing,” Erbach said. “Anything that is environmentally positive is a good thing. When you are designing something as an engineer, you are designing typically to make things better.”

The nonprofit Tooling & Manufacturing Association Education Foundation is providing design and manufacturing support for this project.

Erbach said he looked into installing the lights powered by the students’ generator at homeless shelters and churches in poor neighborhoods, but the ones he approached were reluctant to participate.

“We are looking right now for more local (sites) that we can hit quickly so we can meet the time constraints of the program,” he said. “Our own parking lot in the school has some dark areas. The city of Elgin has community gardens that could benefit from a little bit of light at night. We want five sites to beta test. The kids are researching it right now.”

Erbach also would like students to work on a wind energy-powered mobile device charger, like a USB, that could power a phone or tablet device in places with no electricity.

The deadline for project completion is Feb. 14. Before then, state winners will create 3-minute videos demonstrating their project and how they are bringing it to life. Samsung is partnering with crowdsourcing site Indiegogo to help schools raise funds online for their projects.

National finalists will be announced Feb. 20. They will then pitch their ideas to a panel of judges March 14 in New York, while people nationwide will be able to vote on their favorite ideas.

Three national winners will be chosen and those schools will receive a $150,000 technology grant and $20,000 donation to any nonprofit of their choice. They also will be honored at an awards ceremony this spring in Washington, D.C.
One school also will be selected as the community choice award winner based on social media voting beginning Feb. 21 through March 17, earning it an additional $20,000 in technology.
Critics note disparity between AFSCME demands, non-union workers' reality

LOCAL GOVERNMENT (/STORIES/TAG/8-LOCAL-GOVERNMENT)
Robert Lawson (/author/robert-lawson) | Feb 6, 2017 (/stories/2017/feb)

Should Illinois taxpayers continue to support the demands of government employees at a time when private-sector workers are feeling the economic pinch of the current period?

The current stalemate between Illinois Gov. Bruce Rauner and the state's union for government workers, the American Federation of State, County and Municipal Employees (AFSCME), has produced some outspoken critics since negotiations broke down in January.

Austin Berg wrote an editorial for the Chicago Tribune recalling that AFSCME workers have 15 different types of paid leave while working for the government. They are allowed what many perceive to be an excessive amount of paid time off, unexcused tardiness and other perks unavailable to the common middle-class worker.

So what kinds of perks? Well, the nation's highest-paid state workers (after adjustments for the cost of living) are in Illinois. Workers get something referred to in the health insurance industry as 'platinum level' benefits under the Affordable Care Act, yet those same workers only pay "bronze level" prices for their health benefits.

Meanwhile, Illinois taxpayers foot the bill for an astounding 77 percent of the average AFSCME member's health plan. It costs them nearly $15,000 per worker annually, according to illinoispolicy.org.
As for the negotiations process, the state of Illinois and AFSCME met nearly 70 times, formally negotiating 24 times and going over a few hundred proposals. The parties were agitated and could not come to an agreement.

High property taxes?

Join our fight by subscribing to the print edition of the North Cook News. We cover local news in northern Cook County like no one else.

Subscribe Now! (https://secure.northcooknews.com/subscribe)

After the last meeting, in which the ASCFME representative left with "nothing else to say" and "not interested in anything" the state had to say, Rauner asked the state’s labor relations board to step in and declare an impasse, but a decision is still pending at this point.

The North Cook News reached out to the Illinois Technology & Manufacturing Association, a group that represents those industries. Dennis LaComb, a spokesman for Illinois TMA, said the private sector in manufacturing in addition to middle-class taxpayers in the state of Illinois perceive the issue negatively and foresee the consequences of such policy.

“I think from the articles you cited, the impact of AFSCME on the state and economy is clear, which is to say, negative,” LaComb told North Cook News.

LaComb cited the usual effects that business leaders tend to mention, but also provided a picture of how that leads to the private-sector middle-class worker as well.

"Manufacturing’s response is also negative in that the expense of expanding government inevitably leads to increased regulation and taxes, which inflates the cost of doing business in Illinois and inescapably leads to a contraction of manufacturing, resulting in fewer jobs, increased poverty, diminution of the middle class and continued migration of citizens out of the state," LaComb said.

But the expense is not the only gripe among those in the private sector and those paying taxes in the state of Illinois. AFSCME workers want pay hikes and even greater health benefits. Berg wrote about how workers are allowed to show up late to work and receive only warnings after more than 10 times in a single month. This could lead to other issues, including resentment among workers in the private economy that would have long been fired for such behavior, as they are not represented by AFSCME.
Business leaders say minor reforms aren’t worth large tax hikes

Written By: Staff, Illinois News Network
January 20, 2017

ILLINOIS NEWS NETWORK

Parts of a potential budget agreement in Springfield include a number of pro-business incentives, but business advocates say they’re no consolation for massive tax hikes.

A series of bills waiting to be voted on in the Illinois Senate are being promoted by leadership as the grand compromise that will break Illinois’ two-year long budget stalemate between Gov. Bruce Rauner and the Democrat-controlled General Assembly. The proposed plan raises in billions by raising the state's income tax to almost five percent along with other taxes. They also included a two-year property tax freeze and minor reforms to pensions and workers compensation laws in an effort to court business support.

But Technology and Manufacturers Association of Illinois President and former state Sen. Steve Rauschenberger says token reforms are no justification for a massive tax increase. "An increase in revenue is not a good deal for minor changes to the workers’ compensation program," he said.

"Springfield seems to be only listening to its constituents that are asking for more tax revenue. What they haven’t done in the last three years is listen to what the families of Illinois and the businesses of Illinois need. We need to be competitive with Indiana, with Wisconsin, with Missouri. The businesses in my organization need to compete with businesses in Mexico, China, India and Eastern Europe. You don’t get there by raising taxes."

Rauschenberger, who served in the state Senate from 1993 to 2007, says more taxes are the last thing Illinois families need: “Piling more bricks on the load that we already have to carry by increasing taxes without fundamentally reforming the way they’re spending in Springfield makes this a zero-sum game that doesn’t end well for Illinois.”

The bills are scheduled to be heard in committee Tuesday. Several Illinois state senators have said the bills are fluid, but Senate Minority Leader Christine Radogno, R-Lemont, has told multiple outlets the bills will come for a vote on Wednesday.
Re-Shoring Initiative founder to speak at TMA meeting

Daily Herald | 1/17/17

The Technology & Manufacturing Association's Young Leaders group will host Re-Shoring Initiative founder Harry Moser at "Bring Manufacturing Back Home" Luncheon, scheduled for 11:30 a.m.-1:30 p.m. Wednesday at Stonegate Conference Center, 2401 W. Higgins Road, Hoffman Estates.

Moser helped a local contract manufacturer save a $60 million by quantifying the hidden costs of outsourcing in China. Prior to founding the Initiative, Moser held leadership positions at GF Machining Solutions where he began as President in 1985 and retired as Chairman Emeritus in 2010.