

EGAN

COMPASS

NEWSLETTER

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Viracon's facility expansion in Owatonna, Minn. | Photo Credit: Viracon Inc.



SEAMLESS VIEWS, GROWING PARTNERSHIPS

Egan's evolving relationship with a major local glass manufacturer

Construction projects involve great collaboration. Engineers, designers, general contractors, specialty contractors, suppliers – all must work together. But it's not often that these relationships evolve from vendor to customer.

When Viracon, a national manufacturer of architectural glass for the commercial building market, announced they were expanding their flagship manufacturing facility in Owatonna, Minn., Egan Company's Southern Minnesota team jumped at the chance to bid the project. With this project, Egan's partnership with Viracon developed from major supplier to customer.

"Viracon has been one of our major vendors since InterClad was established in 1998," said Egan Company Senior Vice President Tim Woolworth. "They are the leading innovative producer of glass coatings and products. In addition, their culture and values align closely with ours. They have been a great partner."

Viracon has provided glass for numerous InterClad projects, including U.S. Bank Stadium, Target North Campus, Stonebridge Lofts, and Hennepin County Medical Center. With four plants spanning the U.S. and into Brazil, it is relied upon by over 2,500 architects and designers to provide glass fabrication.

As Christmas is upon us, I'm grateful for the opportunity to lead this great organization. And, I'm thankful for what makes us great: our team and our customers. You have grown with us and taken us to new heights – we could not have done it without you.

Safety continues to be our number one priority, and we are committed to ensuring all employees go home safely. Thanks to you working safely alongside us, I'm happy to report our incident rate is the lowest we've had in five years – posting at 1.72 as of November!

Our productive year has also included a few transitions. We've successfully consolidated our four Twin Cities offices into two, after completing our 190,000 square foot Champlin office renovation project. We've also combined our Construction team under single leadership, creating an even further cohesive mechanical, electrical, and systems experience.

Thank you again for your help in making 2016 a great year – we're looking forward to continuing to work with you in 2017. I hope you all have a very Merry Christmas and a happy New Year!

– Jim Malecha
Egan Company President & CEO

TRANSFORMING PUBLIC TRANSIT

Newly implemented bus service offers rapid transportation from Roseville to Minneapolis

Public transit in the Twin Cities has been evolving over the past decade with the addition of light rail to the sprawling Metro Transit bus system. This summer, a new kind of bus service started along the busy Snelling Avenue corridor, combining the best of both methods of transportation.

The first of its kind in Minnesota, the A-Line Bus Rapid Transit (BRT) uses buses in tandem with unique, multi-component stations - installed by Egan Company - to provide a more train-like experience for riders. Fast and frequent, the route runs from Rosedale Mall to the 46th Street Station in Minneapolis, and connects to both Blue and Green Light Rail transit lines.

Modeled after the light rail stations, the bus stops feature security cameras, emergency phones, LED lighting, and heaters. Other added conveniences include real-time NexTrip LCD displays, providing current bus route information and bus tracking, along with pylons for paying fare. To connect and power all of these systems, Egan installed the fiber optic and copper backbone, and new electrical and communication service cabinets.

Installing the stations required crews to dig in areas surrounded by traffic and existing utilities, so careful planning was critical. The two-year project was coordinated with Metro Transit to keep disruption to drivers, bus traffic, pedestrians, and businesses to a minimum.



The bus stations feature unique multi-component stations.

More BRT lines are being planned, branching out into different areas of the metro, including North Minneapolis, and South Minneapolis to the Mall of America.

“This project was the first of its kind in Minnesota,” said Steve Nelson, Egan Company Project Manager. “It was an enjoyable challenge learning to tie all the systems together. BRTs are a great addition to Metro Transit’s transportation options.”

Project Team: Metro Transit, Global Specialties

Services Provided: Outdoor Electrical, Low Voltage, Fiber Optics, Cabling ■

Metro Transit’s multi-component stations provide a more train-like experience for transit riders. // Photo Credit: Metro Transit



TACKLING CROHN'S DISEASE & COLITIS

In September, Egan Company employees had a once-in-a-lifetime experience playing flag football on the U.S. Bank Stadium field. Joining industry organizations in the Twin Cities, Egan helped tackle Crohn's disease and ulcerative colitis with the first Crohn's and Colitis Foundation of America's (CCFA) flag football tournament in Minnesota. The CCFA fundraiser is held across the country in various NFL stadiums, and all funds raised help find cures for Crohn's Disease and ulcerative colitis – diseases that affect 1.6 million Americans.

"It was exciting playing at U.S. Bank Stadium – experiencing the field and stadium Egan helped build from a different perspective than we get from the stands," said Dominic Digatono, Egan Company Assistant Project Manager. "I have friends affected with Crohn's disease, and was happy to help raise funds for the great cause." ■



EGAN'S ADDITIONAL WINTER OUTREACH EVENTS

Thanksgiving Food Drive:

Egan employees donated eight barrels of non-perishable items for families in our communities of Brooklyn Park, Champlin, Rochester, and Austin.

Toy Drives:

In support of the Toys for Tots Foundation and the Ronald McDonald House-Rochester, employees will have the opportunity to donate toys at our Employee Christmas Parties that will be distributed to children in our communities.

LOOK FOR US ON KARE11

We'll be on air on Friday, December 16 during the 10pm newscast where we hope to share the news that we donated over 1,000 toys for local children.

PROMISES KEPT

“I want to say thank you to Egan's crew for all of the work completed for the [recent project] at [Dow Chemical]. The construction was completed ahead of schedule and, most importantly, the work was done safely. Your hard work is greatly appreciated.”

– Megan Corey, Dow Water & Process Solutions

(The Egan team mentioned here includes: Electrical Field Leaders Chuck Litke, Eric Dahlstrom, and Michael Walz; Electrical Journeymen Ben Behrendt, Ben Reed, Chuck Winegar, George Spanovich, and Kevin Denning; Pipefitter Field Leader Jerry Young; Journeyman Pipefitter Larry Brown; Millwright Field Leader Kevin Stoermann; Millwright Journeymen Dave Gross and Scott Kolbeck.)

“The start-up would not have gone as smoothly and quickly as it did, if not for the effort put forth by Adam. Your motto of “Promises Kept” has been demonstrated by him. Wolf really appreciates all the work done and would like to extend our thanks!”

– Chas McNeil, Wolf Material Handling

(Adam Bierschbach is a Controls Engineer.)



UPDATING AGING CAMPUS BUILDINGS

Egan mechanical crew coordinates between two University of Minnesota jobsites

The summer of 2016 saw one Egan Company crew, consisting of all mechanical trades, working closely with M.A. Mortenson to perform complete renovations within two University of Minnesota buildings.

The Mechanical Engineering building needed new laboratory equipment connected. At the same time, Mariucci Arena needed locker room renovations; Egan's mechanical team began work in April 2016.

Schedules were coordinated so Egan's crew of plumbing, sheet metal, and pipefitting Field Leaders could move between both jobsites and complete work on time.

"Strong field leaders helped keep things focused and organized, making both jobs run smoothly," said Pipefitter Field Leader John Greeninger.

Updating Aging Infrastructure

Established in 1851, the University of Minnesota spans across Minneapolis and St. Paul. Roughly 40% of the buildings on campus are more than 50 years old, and the work on these two campus staples are part of upgrades needed to remain competitive in top academic and athletic programs.

Over the past two years, Egan has worked to upgrade the 64-year-old Mechanical Engineering building infrastructure, providing new plumbing and HVAC systems including a roof penthouse to house the

mechanical equipment and protect it from the elements. In 2016, new owner-supplied lab equipment was ready to be connected to the new systems – while the upgrades to locker rooms at Mariucci were also scheduled to begin.

Built over 20 years ago, the University of Minnesota's Golden Gophers men's hockey team calls Mariucci Arena home. Since its construction, the Arena received minimal upgrades. And, in order to stay competitive with other top hockey programs across the country, Mariucci's dated look needed a face-lift and modern amenities.

Summer Term on Campus

In April, with just four short months to complete the work, the team installed an all-new plumbing system throughout the locker room. A brand new hydrotherapy room featured two hydrotherapy tubs – one hot and one cold - and a dehumidification unit.

In May, the team began an upgrade to the Mechanical Engineering labs by installing the sinks, fume hoods, chilled water, compressed air, and other lab fit-outs and connect them to the previously installed mechanical systems.

Meanwhile, at Mariucci, the locker rooms were getting a much needed amenity upgrade. As you can imagine, a locker room has the potential to be a smelly and damp place. To alleviate some of this, the dehumidification

PROMISES KEPT



Left: A standard-size energy recovery unit barely fit through the double doors at Mariucci Arena. // Middle: At Mariucci Arena, each locker has exhaust fans to dry out equipment. // Right: Rooftop Air Handling Unit at the Mechanical Engineering Building

units exhaust more air than usual into the room. It also offers a unique feature for the Gophers' players: each locker has an exhaust fan that helps dry out equipment kept in the lockers.

Egan also installed an energy recovery unit as a part of the main air handling unit to help remove humidity from incoming fresh air. This energy recovery unit was a standard size, but barely fit through the double doors leading to the locker room.

"The unit had screws that popped out a few inches too far, making the unit unable to fit through the door unless each screw was removed and then reattached," said Jake Marchiafava, Egan Company Project Manager. "It took six Egan crew members all day to move this unit into the facility, two feet at a time."

All work was completed in time for the Golden Gophers to begin practicing for the 2016-2017 season and for Mechanical Engineering students to begin using the new lab equipment.

"The success of these projects came down to the crew effectively managing their time," Marchiafava said. "It was helpful that Mortenson was on both projects – they set a realistic schedule that helped both projects run smoothly."

Project Team: M.A. Mortenson, University of Minnesota

Services Provided: Plumbing, Pipefitting, Sheet Metal ■

“Working with Mike has been a great pleasure. I’ve been very impressed with Mike and Egan’s crew regarding safety, general performance, and overall professionalism. Mike recognized a potential hazard regarding overhead work over another trade, voiced his concern, and stepped up to make the situation safer.”

– Brad VanOs, Doran Construction

(Mike Kush is a Glazier Field Leader)

“I wanted to let you know the entire Egan team working on the Securian turnstiles project has been spectacular. The project entailed furnishing and installing optical turnstiles for entry. They all had great attitudes, despite the need to work after hours, and have gone above and beyond to make sure we are happy with the finished product. Please pass along my thanks to your team for a job well done!”

– Joseph Bastyr, Securian Financial Group

(The Egan team mentioned here includes: Technician Field Leader Ron Hillberg, Journeyman Installer Jeremy Nelson, Apprentice Installer Dan Richardson, Technician Mike Lowinske, and Assistant Project Manager Tim Johnson.)

BY THE NUMBERS



RATED

#63

THE TOP 600
SPECIALTY CONTRACTORS

ENR
Engineering News-Record

LISTED

#85

TOP PRIVATE COMPANIES

MINNEAPOLIS/ST. PAUL
BUSINESS JOURNAL

NAMED

DIAMOND DISTRIBUTOR

 **NOTIFIER**
by Honeywell

PROJECT RECOGNITIONS:

NAIOP MN AWARD OF EXCELLENCE:

PrairieCare - Brooklyn Park, MN

FINANCE & COMMERCE TOP PROJECT:

PrairieCare - Brooklyn Park, MN

4Marq Apartments - Minneapolis, MN

Chaska Curling & Event Center - Chaska, MN

RECOGNIZED PROJECT FROM COMMITTEE ON URBAN DESIGN & ENVIRONMENT:

Second Street Southwest - Rochester, MN



SAFETY - OUR PRIORITY

Safety is our number one priority. Safety of all employees, jobsites, and offices is what we strive for daily. Our employees continue this commitment every day, which is shown through numerous milestones achieved this past year.

Safety Stats

- *As of November 2016:* Egan's lowest Incident Rate in five years at 1.72
- *Number of OSHA 10 certified employees:* 497
- *Number of OSHA 30 certified employees:* 387
- *Online safety courses completed in 2016:* 8,614

Safety Milestones

- UL 508A Panel Shop – 12 years injury free
- Service Garage – 10 years injury free
- InterClad Shop – 3 years injury free
- Electrical Fabrication Shop – 2 years injury free
- Sheet Metal Shop – 2 years injury free ■

EGAN'S UPCOMING SPRING EVENTS

Be on the lookout for Egan at these upcoming events:

- Precast Show in Cleveland, Ohio – March 2-4, 2017
- Building Owners and Managers Association (BOMA) Greater Minneapolis Chapter in Minneapolis, Minn. – March 2017
- Institute of Real Estate Management (IREM) Industry Partner Event in Minneapolis, Minn. – Spring 2017
- ASHE Region 6 Conference in Rochester, Minn. – April 20-21, 2017



Viracon's facility expansion in Owatonna, Minn. | Photo Credit: Viracon Inc.

SEAMLESS VIEWS, GROWING PARTNERSHIPS

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“Viracon is investing in the expansion of its Owatonna facility to meet growing demand from architects for larger expanses of glass in exterior façades,” said Garret Henson, Viracon Vice President of Sales and Marketing. “By adding larger size capabilities to our comprehensive portfolio of architectural glass products, we are able to offer InterClad the full spectrum of product solutions that support the unique design requirements of their customers.”

The new expansion to their Owatonna facility adds over 360,000 square feet to the existing 1.2 million square feet facility. Egan's Southern Minnesota team is providing electrical services to this new space, including general lighting and power.

Although this is new construction, the project is being treated more like a retrofit because power needs to be attached to the existing facility to get power out to the expansion. The work is all being completed while glass manufacturing is still happening, requiring creative scheduling.

In total, Egan will install more than 1,000 LED lights, including 4,000 feet of cable tray, 60,000 feet of conduit, and 250,000 feet of wire. The expansion will be complete by January 2017.

The new facility will house the latest glass manufacturing technology and fabrication equipment to increase Viracon's maximum finished product size capability and provide higher levels of automation for increased efficiencies.

“This expansion is a very significant project, it is the next step in a long range program to ensure we remain at the forefront of architectural glass technology and continue to be a valued partner on distinctive buildings, large or small,” said Kelly Schuller, Viracon President.

Upon completion, Viracon will increase its maximum fabrication size from 13 feet 9 inches per plate of glass to 16 feet per plate of glass. The larger the plate of glass, the more visually appealing as there are fewer seams once installed. It offers bigger, unobstructed views with better daylight and energy management.

Egan's InterClad team already has plans to utilize Viracon's new capacity, including the new skyway at Minneapolis-St. Paul Airport that connects the new Intercontinental Hotel to the A-G Concourse.

“We look forward to future projects with Viracon, especially with these new capabilities,” Woolworth said. “When we work with Viracon, we know a project will be a success. Its technical abilities are the benchmark for the industry.”

Project Team: AB Systems, Viracon

Services Provided: General lighting and power ■



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HERE

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EGAN COMPANY LOCATIONS:
BROOKLYN PARK // CHAMPLIN // ROCHESTER // AUSTIN

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Minnesota State University, Mankato's new hall expands student's mealtime experience! The University Dining Center is set to open in January 2017 and has more than double the space of the old facility. It will feature five open cooking stations for students to watch their food being prepared, floor to ceiling windows for lots of natural light, and LED lighting with new lighting controls for energy efficiency. Egan Company's Southern Minnesota team installed the commercial kitchens and facility lighting, and the InterClad team installed the curtainwall and aluminum sunshades on the striking new building.



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Egan Company is a fully integrated, specialty contractor that delivers attention, commitment, and craftsmanship to every project. Egan serves every stage of a building's life, providing in-house expertise in planning, design, building, and maintenance. Core services include: mechanical, electrical, engineering & design, curtainwall/glazing/panel systems (InterClad), millwrights, fabrication, building systems, controls & system integration, and 24/7/365 maintenance. Egan has also been recognized as one of America's Safest Companies by *EHS Today*.