

EGAN

COMPASS

NEWSLETTER

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Photo Credit: Cold Spring Brewing Company

FASTER PRODUCTION FOR SPECIALTY BEVERAGES

Rural Minnesota production facility utilizes multi-trade expertise in expansion

Since 1874, Cold Spring Brewing Company has been producing and bottling beer and craft brews for the Midwest. Most recently, this nearly 150-year-old brewery has expanded its production to include bottling tea, soda, energy drinks, and more – quickly becoming one of the leading specialty beverage producers in the U.S.

To keep up with the demand for specialty beverages, Cold Spring Brewing started a two-phase project to expand storage capacity and increase production with the installation of a fourth production line dedicated solely to specialty beverages.

“Egan’s electrical team has partnered with Cold Spring Brewing in a maintenance capacity for many years,” said Randy Kalthoff, Egan Company Project Manager. “And we were excited to take on this new project – especially since many of us on the team are from the Cold Spring community.”

The first phase of the new storage and production line was completed last November and included a new 211,000 square foot warehouse to store the bottled production before distribution. Egan’s team completed the LED lighting installation and worked with Kinghorn Construction for both phases of construction.

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Above: The new B3 Burger Bar at Grand Casino Mille Lacs // Left: Prefabricated water heating systems for Mystic Lake



BUILDING LUCK & GAMING

For over 15 years, Egan has been making its mark on a few of Minnesota’s most popular casinos – transforming them from simple gambling establishments to full-amenity gaming destinations. Major renovations, expansions, and new construction projects at Grand Casino Mille Lacs, Grand Casino Hinckley, and Mystic Lake have been imprinted by Egan’s multi-trade expertise for its array of scopes.

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Updates to the front entrance include an Egan-inspired wall mural and other new fixtures

HQ RENOVATIONS SHOWCASE COLLABORATION

Innovation, integration, and efficiency - three words to describe both the process and the finished product of Egan's newly renovated corporate office space. Last Fall, the Brooklyn Park, Minn. office underwent an extensive renovation project utilizing Egan's in-house expertise and specialty trades. The result: an open-office environment that promotes collaboration and provides a more flexible workplace for employees.

"The office area was in need of improvements to better fit our growing number of employees and align with our values," said Duane Hendricks, Egan Company President & CEO. "We had an opportunity to modernize and carry over similar themes we used at our Champlin facility to create a more efficient, open space for employees to enjoy."

The 126,000 square foot office was last renovated in 2003, and is one of four Egan facilities in Minnesota - Champlin and its Southern Minnesota offices in Rochester and Austin.

"Our last renovation project in Champlin was an empty 180,000 square foot warehouse that we made our own in 2016," said Tom Buirge, Egan Company Construction Project Manager. "A challenge this time was renovating a fully occupied office on a tight deadline. We wanted to complete the project with as little disruption and moving around of employees as possible."

The completed office space has additional conference rooms and huddle spaces, sit/stand desks in every workspace, an open-floor layout, workspaces for future growth, and an updated lobby with dynamic artwork displaying Egan's multi-trade expertise and services.

"This project completes our office and facility renovations in the Twin Cities," said Hendricks. "We expanded and upgraded our mechanical shops in 2016 to improve manufacturing efficiencies, and are thrilled with the new look and feel our employees and customers get to experience now in both our Twin Cities offices." ■

EGAN'S SPECIALTY TRADES WORK PERFORMED:

ELECTRICAL: replacement of all existing office fixtures with LED and added space occupancy-sensored lighting

MECHANICAL: relocation of existing duct, relocation and installation of new temperature control sensors, and rebalanced airflow

CURTAINWALL/GLASS/GLAZING: design and installation of glass walls in offices and conference rooms

BUILDING TECHNOLOGY INTEGRATION: sound masking, work station, voice/data/fiber option, automatic window shades, audio/visual, building automation system



FASTER PRODUCTION FOR SPECIALTY BEVERAGES

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“This job has had its challenges that were immediately taken care of by Egan,” said John Kinghorn, Kinghorn Construction Vice President and Project Manager. “As soon as we got Egan the right information and instructions, they’ve been able to handle any situation.”



Photo Credit: Cold Spring Brewing Company

Connecting the shipping and receiving building with the newly completed warehouse, the 30,800 square foot production area has one new production line and the ability to fit an additional production line for future expansion. Scheduled to be completed this summer, the production line has the capacity to bottle 1,600 16oz. cans and 2,000 12oz. cans every minute and produce a completed pallet of specialty beverages every 50 seconds.

Egan was tasked with ensuring all of the production line systems were properly wired and integrated so the equipment can communicate and run efficiently. Egan’s process and controls team specializes in the wiring and integration of elaborate network systems and production lines, and is adept at taking multiple pieces of equipment without a design or blueprint for connection and wiring them to the speed and efficiency needs of the customer.

“We’ve had a great partnership with Egan over the years,” said Andy Paavola, Cold Spring Brewing Maintenance

Manager. “That has definitely helped this project go really well – and, it’s been great working with Randy [Kalthoff] and his team again.”

Core Project Team: Kinghorn Construction Company, Cold Spring Brewing Company, HTG Architects

Egan Services Provided: exterior and interior LED lighting, 3000 amp electrical service, lighting control and distribution system, mechanical equipment wiring, general purpose power wiring, audiovisual conduit system ■

ABOUT THE PROCESS

The new, fully automated production line process wired by Egan takes empty cans from the pallet, high heat water rinses the can to kill any bacteria, fills the can with the specialty beverage, seals the cap on the cans, final high heat water rinses to kill any additional bacteria, and boxes and palletizes for distribution.

Pictured below (L to R): Egan Electricians Dan Weber, Kristopher Durand, Dennis Belanger, and Derrick Frank





BUILDING LUCK & GAMING

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GRAND CASINO MILLE LACS & HINCKLEY

Enhanced gaming floors, a variety of dining options, upgraded pool, among many other features are bringing a rejuvenated feeling to Grand Casino Mille Lacs and Grand Casino Hinckley – each of which recently celebrated its 25th year in operation.



GRAND PROVISIONS BUFFET

An entirely remodeled, multifaceted culinary marketplace with six food stations

Services Provided:

Design/Build plumbing and HVAC systems, and mechanical controls



1991 KITCHEN

Casual, 24-hour eatery with sit down service

Services Provided:

Design/Build plumbing, piping, and HVAC systems



THE GRILLE HOUSE

20,000 square foot bar/restaurant with 45 different tap beers

Services Provided:

Design/Build conduit for tap hook ups, make-up air/exhaust, supply duct, reheat coils and controls, high-efficiency boiler system, gas and water connection for separate kitchen, and mechanical controls

OTHER RECENT GRAND CASINO PROJECTS:

- Associate Dining Room
- Gaming Floor Improvements
- High Stakes Room
- Guest Swimming Pool
- B3 Burger Bar
- Multiple New Dining Options



Left: Updated gaming floors throughout Mille Lacs and Hinkley // Middle: The new "Stories Diner" at Grand Casino Hinkley // Right: Mystic Lake Casino Hotel

MYSTIC LAKE

The longevity of Egan's work on projects for the Shakopee Mdewakanton Sioux Community (SMSC) has included scopes of all sizes. From the Little Six Casino to the recently opened Mystic Lake Center, a history of trust and transparency has created a successful momentum that has guided these projects to commission.

MYSTIC LAKE CENTER

Nine-story hotel and conference center attached to the casino. Highlights include a 70,000 square foot event center and 180 hotel rooms

Services Provided: Installation of plumbing, HVAC, hydronic piping, mechanical equipment and controls, building temperature controls, and VRF HVAC systems serving hotel guest rooms

LOOKING AHEAD:

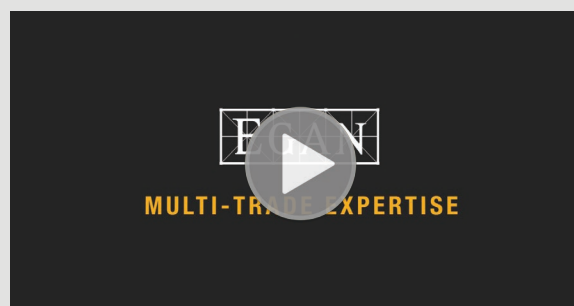
The SMSC recently broke ground for its newest building, Hocokata Ti, a cultural activity site, community gathering space, and public exhibit highlighting the history of the Shakopee Mdewakanton Sioux. It is scheduled to open in 2019.

Egan Teams: Electrical, Mechanical, and InterClad

HISTORICAL MYSTIC LAKE PROJECTS:

- Entertainment Center
- Warehouse
- Original Expansion
- Hotel Towers

HIGHLIGHTING DIVERSE TRADES



One source. Infinite solutions. As a well-known specialty contractor, Egan thrives in giving customers a single-source solution for any construction scope.

Last Fall, we set out to bring more awareness and insight into the expertise of our 13 skilled trades through a series of videos. This series gives each trade the spotlight and provides an overview of the work of a tradesperson.

From Millwrights and Glaziers to Electricians and Pipefitters, learn more about the tradespeople of Egan and how our wide array of offerings can bring value to you.

Stay on the lookout each month for a new video throughout 2018! And, if you've missed our recently published videos, you can find them here (1 minute):

- bit.ly/EganMillwrights
- bit.ly/EganIronworkers
- bit.ly/EganGlaziers
- bit.ly/EganPipefitters
- bit.ly/EganLimitedEnergyTechs



Trimble Total Station in action on an Egan jobsite in Edina, Minn.

THINKING OUTSIDE OF THE TRIMBLE BOX

Egan Company created an innovative spin to use a well-known industry tool in a new way



The Trimble® Robotic Total Station is a no stranger to the world of construction. Used mostly at Egan for large, new construction projects, the “Trimble” plays an essential part of laying out electrical and mechanical systems.

Its state-of-the-art design was built to verify even the smallest details between the shop and field prior to construction on jobsites. This makes it an ideal tool to accurately lay out underground utility systems, between floor structures, and other flat-plane surfaces.

Though the Trimble has many uses, it had never been used for the glass and glazing industry until Egan Company took on its biggest curtainwall project to date: U.S. Bank Stadium.

“Given the massive size and architectural shape of the stadium, we knew we’d have to get creative,” said Dan Ford, Egan Company Field Services Manager. “However, the task to efficiently and precisely install glass to this 30-story structure was a challenge we excitedly took on.”

This project sparked a unique, innovative Trimble process allowing Egan to accurately lay out anchors directly to a vertical steel surface (different than Trimble’s intended use) and solve two big installation components: risk of human error and efficiency.

In a traditional layout of curtainwall, there are multiple passes that happen before anchors are welded to the steel structure and the glass inserted. A pass includes many provisional tasks that progress toward a more permanent step within a phase of construction; many “passes” are within a phase.

The multiple passes for a curtainwall project include:

- measuring and marking reference points by hand
- verifying those references
- tact welding temporary anchor points onto the building

“Egan’s innovative thinking and usage of Trimble is a perfect example of the versatility of technology.”

– Aric Stott, Product Manager at Trimble



U.S. Bank Stadium was InterClad's first project utilizing Trimble

With Egan's Trimble process, many of those passes are removed. A digital layout and survey of the curtainwall happen concurrently allowing anchors to be permanently welded in one pass. Therefore, saving an incredible amount of time and labor. The process also allows the team to identify structural flaws early, which allows time for correction prior to installing glass.

Successfully applying this process at U.S. Bank Stadium has led to similar work on other professional sports infrastructures. NBA franchise, the Milwaukee Bucks, will call a new, beautiful arena home beginning this summer. The aesthetically appealing arena is being constructed by M.A. Mortenson who has tasked Egan and its Trimble expertise for the arena's complex glass and glazing scope.

"Egan's innovative thinking and usage of Trimble is a perfect example of the versatility of technology," said Aric Scott, Product Manager at Trimble. "As a result, they've run multiple glass/glazing projects with intricate architectural scopes very smoothly -- and we [Trimble] have been able to implement several feature enhancements to our product that have helped us stay ahead of the curve." ■

The new Milwaukee Buck's arena is scheduled to open this June 2018



PROMISES KEPT

“Thank you to Mike Walz for his work at CertainTeed. He did a wonderful job and was a pleasure to work with! He had a great attitude despite the frigid temperatures outside.”

– Matthew Lucca, CertainTeed Corporation

(Mike Walz is an Electrical Field Leader.)

“I would like to extend my appreciation and thanks to Egan for their work at the Super Bowl Experience interactive theme park. They were always available and friendly and their experience within the Minneapolis Convention Center was obvious. When challenges arose, they had solutions. Tasks were often completed as fast as the call went in. Spirits were also always high which was appreciated after many long days. It was a privilege to work with this team and thank you for helping us accomplish a successful Super Bowl Experience.”

– Jay Hathaway, Super Bowl Experience

“Thank you to Egan's team for the great service you provided to the Minneapolis Convention Center. Your work and dedication exceeded expectations and the team worked endless hours without compromise. No matter the obstacle, your team found a solution. Thank you for your continued support.”

– Colin Brereton, Minneapolis Convention Center



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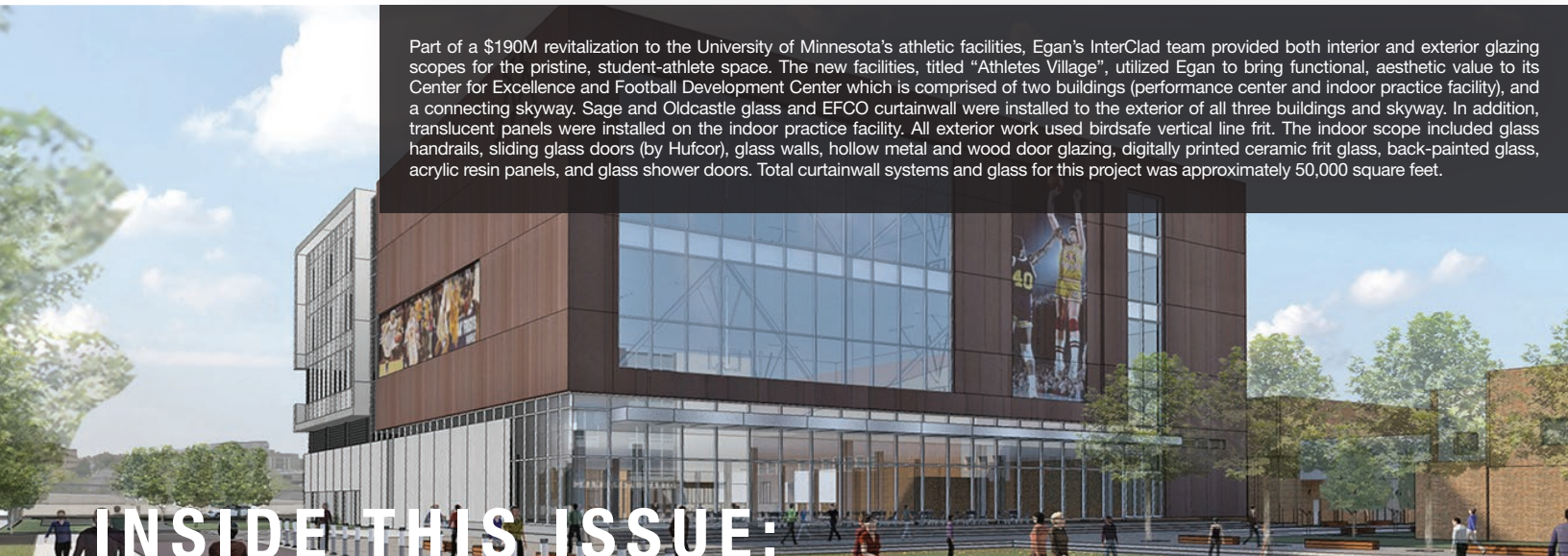
CHANGE SERVICE REQUESTED

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Part of a \$190M revitalization to the University of Minnesota's athletic facilities, Egan's InterClad team provided both interior and exterior glazing scopes for the pristine, student-athlete space. The new facilities, titled "Athletes Village", utilized Egan to bring functional, aesthetic value to its Center for Excellence and Football Development Center which is comprised of two buildings (performance center and indoor practice facility), and a connecting skyway. Sage and Oldcastle glass and EFCO curtainwall were installed to the exterior of all three buildings and skyway. In addition, translucent panels were installed on the indoor practice facility. All exterior work used birdsafe vertical line frit. The indoor scope included glass handrails, sliding glass doors (by Hufcor), glass walls, hollow metal and wood door glazing, digitally printed ceramic frit glass, back-painted glass, acrylic resin panels, and glass shower doors. Total curtainwall systems and glass for this project was approximately 50,000 square feet.



- Building luck & gaming at Minnesota's most popular casinos
- Trimble Robotic Total Station: Egan's new, innovative process with a well-known industry tool
- HQ Renovations Showcase Collaboration
- Project Feature: Cold Spring Brewing Company
- Video Series Highlights Diverse Trade Offerings

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 named a Top Workplace by the *Star Tribune* and recognized as one of America's Safest Companies by *EHS Today*.