

EGAN

COMPASS

NEWSLETTER

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As I reflect on the successful year we've had, I'm reminded of the fact that it wouldn't have been possible without our incredible employees and customers. Thank you for continuing to work with Egan as we remain your one source for all construction needs. 2015 was a great year of partnerships with our customers, and I look forward to building that momentum in 2016.

The construction industry is evolving, and we've made changes to ensure our collaborative trades and partnerships can continue at the pace of the change. We recently purchased a new building in an effort to consolidate our offices and create more space for our growing needs.

Throughout all of this growth and development, I'm proud of the employees and customers we have that keep safety a priority. We maintain the commitment that Safety Brings You Home.

Thank you again, to all of you who helped make 2015 a wonderful year. I hope you have a very Merry Christmas with your families and loved ones!

I look forward to a safe and productive 2016.

— Jim Malecha
Egan Company President & CEO

Richard O. Jacobson Building in Rochester, Minn. | Photo Credit: Knutson Construction

SUSTAINED SUPPORT FOR MN HEALTHCARE

When Egan & Sons Company was founded in 1945, Costney, Bill, Joseph, and (later) Gerald Egan depended on mechanical expertise. Since then, Egan Company has evolved to include services across virtually every corner of specialty contracting.

Some industries are just discovering Egan's capabilities, whereas others, like the local healthcare industry, are well-acquainted with Egan as a multi-trade resource. This Minnesota medical landscape has seen many changes over the years, and healthcare facilities have looked to Egan's experience and knowledge to accommodate the industry's needs.

Understanding Healthcare Risks

In the atmosphere of a hospital or clinic, special attention must be paid to the infrastructure to ensure patient care isn't hindered. Many work sites are sealed off by plastic barriers before work is performed, and Egan follows the Infection Control Risk Assessment (ICRA) protocol to enforce extra precaution.

"When you have a heavily-controlled area like a hospital, you need to align with established procedures and be aware of potential risks because you're working around people when they're most vulnerable," said Larry Hanson, Egan Company Safety Director.



LOCAL EXPANSION HELPS CHS GROW

Cenex Harvest States expanded their Savage, Minn. grain terminal to more than double capacity

Minnesota is the fourth-largest agricultural exporting state in the country. About 54 percent (or 27.6M acres) of the state consists of farmland. That's close to the total acreage of Tennessee (26.9M acres). For home-grown grain products, Cenex Harvest States (CHS), a Minnesota-based multinational agricultural cooperative, relies on a vast network of roads, railways, and river transit to export around the world.

An important step in the distribution process is the system of grain-handling terminals, or "grain elevators," where corn, soybean, and wheat can be stored and later moved onto river barges by conveyors. In 1982, CHS opened a multiple commodity grain-handling terminal in Savage, Minn., with a storage capacity of 560,000 bushels (or roughly 31.4 million lbs. if using only corn). That capacity more than doubled this past year with the construction of a new 801,000-bushel bin.

CHS moves more than two billion bushels of grain annually, so efficiency is key. Without an efficient transportation network, farmers could not compete on an international scale. That's why expansions must be strategic and well executed.

When it came time to choose who would provide automation for the new bin, CHS Savage Terminal Manager Greg Oberle knew Egan held a distinct advantage.

"The work that Paul Meier [Project Manager], Todd Voth [Electrical Foreman], Darin Shaw [Electrical Foremen], Joe Trosen [Controls Engineer], and Mark Thomas [Electrical Foreman] have performed for us is outstanding," said Oberle. "We already knew they were a good fit for the expansion, based on past experience."

The experience Oberle mentions is in reference to a full-scale software update that occurred in 1999. The then-current PLC/3 control system had become out-of-date. CHS hired technicians from Industrial Electric (since acquired by Egan) to upgrade the system with new ControlLogix and RSView software. After a successful installation, the business relationship continued to stay strong through the years.

"The whole operation has been Egan's baby since the update," said Oberle. "The Egan crew works hard to make sure they come to me with solutions, not just issues. That kind of relationship is what wins you the first major expansion to this facility since it opened in 1982."

The new bin is a 105-foot wide cylinder that stands 99-feet tall at the eve and 128 feet at its peak. Egan installed two new motor control centers for product supply and control motors for conveyance to-and-from the new bin. Todd Voth, who lives in the area and is frequently called on by CHS to tend to the facility's many-faceted needs, played a key role in the technology integration effort.

PROMISES KEPT

“The three mile southbound stretch between Highways 55 and 394 of the 494 reconstruction project opened to the traveling public two months prior to its required opening date. The C.S. McCrossan management team wants to thank you all for your efforts in helping us achieve this milestone. The hard work you provided is recognized and appreciated.”

– Mike Nelles, C.S. McCrossan

(The Egan team mentioned here includes: Electrical Foreman Zach Gorg; Journeymen Electricians Craig Dierkes and Derek Brenizer; Equipment Operators Chuck Dressen, and Josh Stone; Apprentice Electricians Martine Hofseth and Steven Phe)

“Kevin Stoermann and his crew did an outstanding job in accomplishing a complex critical lift safely. Kevin and I reviewed the lift plan and he agreed to establish a greater safety margin for the lift. His focus and efforts to make the job safer is commendable. He would not proceed to the next step until he was sure it was safe and until the entire crew was ready.

These actions and attitudes by your Foremen set an example for all of those involved. This is what gets us home safely each day.”

– Jim Banks, Dow Chemical

(The Egan team mentioned here includes: Millwright Foreman Kevin Stoermann; Journeymen Millwrights Dean Jantz, Dave Christensen, and Mark Vanderwarf; Apprentice Millwright Erick Hoff)



CHS's new grain bin will allow the company to operate more efficiently.

“Automation-wise, grain elevators are definitely more complex than most people might think,” Voth said. “It’s a process with many coordinated steps to move grain that efficiently, and any missteps can lead to angry grain haulers and lost business.”

The substantial increase in storage frees up business options for CHS. Deliveries that used to have to wait until a barge arrived can now freely move product to the facility without delay. The new bin is also designed to help railroad cars load more efficiently.

The bin officially opened in May 2015, after five months of construction. The facility can now efficiently store and manage about 1.36 million bushels of grain product, and continues to receive dedicated service from Egan personnel.

Egan Services Provided: Installation of two new motor control centers for product supply and control motors for conveyance to-and-from the new bin. ■



Todd Voth, Egan Company Electrical Foreman, provides ongoing maintenance to CHS' Savage facility.

CELEBRATING 70 YEARS OF PROJECT

From the historic W Minneapolis - The Foshay to the modern Metro Transit Light Rail System, the partnerships and projects that make up Egan Company's 70 years of local business are too numerous to mention. We are proud to contribute to the great state of Minnesota, and we plan to continue working to create more meaningful relationships and projects for years to come.



Metro Transit Light Rail Systems

After providing electrical work on the Hiawatha Light Rail (Blue Line) project running from Target Field to Mall of America, Egan was asked to provide electrical services for the Central Corridor Light Rail (Green Line) project. Stretching 11 miles and linking Downtown Minneapolis to Downtown St. Paul, this is the largest public works project in state history. Pictured is University Avenue in 1957 and today.

Photo Credit: Minnesota Historical Society

Minneapolis-St. Paul International Airport (MSP)

In 80 years, MSP Airport has undergone many changes. For a number of years, Egan has provided contracting services to the renovation and upgrading of the airport. Most recently, the airport installed new runway status lights, curtainwall/metal wall panels, and an open architecture building automation system. Pictured is the airport in 1962.

Photo Credit: Minnesota Historical Society



Anoka County Government Center

Many of Anoka County's government offices are housed in the Government Center & Courthouse, a building where Egan installed the original building automation system, fire alarms, card access, and data cabling. Ongoing maintenance and upgrades are also provided for the building. Pictured is the Anoka County Courthouse in 1878 and the Government Center & Courthouse today.

Photo Credit: Anoka County Historical Society

EXPERTISE

Bishop Henry Whipple Federal Building

The B.H. Whipple Federal Building has undergone many renovations. Most recently, a state-of-the-art geothermal mechanical heating and cooling system, solar roof array, and large hot water storage tanks were installed and tied into one building automation system; Egan's InterClad team also replaced 720 windows. The building also receives ongoing building automation maintenance, and regular gas detection and backflow preventer testing from Egan.



Minneapolis Convention Center

Originally the Minneapolis Auditorium, the Convention Center was constructed in 1989, with Egan providing mechanical services on the project. Since then, Egan continually provides ongoing electrical services and maintenance to the 800,000 square foot complex. Pictured is the Minneapolis Convention Center in 1966 and today.

Photos Credit: Minnesota Historical Society and Tony Webster

W Minneapolis - The Foshay

Once the tallest building in Minnesota, The Foshay was constructed in 1929. Since then, it has undergone many renovations, including being converted into a 32-story "W" hotel. During this renovation, Egan provided Design/Build electrical work, fire alarm, security, and close circuit TV monitoring for the hotel. The hotel also receives ongoing maintenance from Egan.



IDS Center

Constructed in 1972, the IDS Center is the tallest building in Minnesota. Egan installed the mechanical systems when the building was first constructed. More recently, the IDS Center has utilized Egan to upgrade voice/data, fiber optic cabling, sound system, and provide ongoing maintenance throughout the building.



EGAN EXPANDS WITH NEW FACILITY

Growth in the industry has resulted in a record number of awarded projects for Egan Company. Egan found the need to expand and consolidate its current office and manufacturing locations in order to meet the new demands. This past May 2015, Egan purchased a former office/manufacturing building at 11611 Business Park Boulevard in Champlin, Minn.

“This comes at a time of great growth, and we are excited for these changes and the expansion of Egan,” said Duane Hendricks, Egan Company Chief Operating Officer.

The purchase and renovation of this 190,000 square foot building will consolidate four metro offices into two, and will continue to support Egan’s collaborative culture of working together across all trades on projects.



It is being remodeled to feature offices, collaborative workspaces, a fitness center, and manufacturing and warehouse areas with 150 employees moving in once completed. Construction on the new building started in mid-September with a move-in date of early spring 2016. The Boone Avenue office in Brooklyn Park will remain Egan’s headquarters.

“Because of the type of business that previously occupied the building, the work to make it the building we need has been substantial,” Hendricks said. “We’re constructing space for both offices and shops, and ensuring each space is adequate for each group.” ■

SUSTAINED SUPPORT FOR MN HEALTHCARE

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In some cases, tools and equipment are decontaminated and remain onsite until work is completed. Egan employees have even worn full scrub gowns and facemasks at places like the world-renowned Mayo Clinic.

High-Tech, Critical Work

The Mayo Clinic’s Rochester, Minn. campus has grown at a blistering pace. In the past few years, it has completed a state-of-the-art proton beam therapy cancer treatment center and announced a \$6-billion Destination Medical Center.

Nietz Electric, a brand of Egan Company, has provided electrical service to Mayo since the early 1980s for a variety of high-profile spaces.

“We install and service Mayo’s non-cookie-cutter projects,” said Jeff Young, Nietz Vice President and General Manager. “The challenges it faces are multi-faceted, even by industry standards, and that’s why Mayo calls us. We have the resources and the specialty expertise to take care of its needs, no matter how unique.”

For multiple facilities, nearly all electrical work to Mayo’s medical-intensive spaces is performed by Nietz. This includes rooms for operating, exams, ultrasounds, research labs, emergency rooms, radiology, and CT scan centers. This past year, proton beam therapy room was added to that list when Egan finished out the electrical infrastructure in the Richard O. Jacobson Building.

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For more than 30 years, North Memorial Medical Center and Egan Company have maintained a positive working relationship.

In addition to electrical work performed by Nietz, Egan has also provided services for new construction, renovation, and upgrade projects for Mayo Clinic inside and outside the Rochester campus, including places like Cannon Falls, Minneapolis, Mankato, St. Peter, and St. James. This work includes mechanical, building automation, fire/life safety systems, as well as curtainwall/glazing/metal panels. In addition, Egan continually provides ongoing maintenance to various Mayo Clinic facilities in Minnesota.

The Twin Cities area hosts many healthcare facilities that partner with Egan Company. One particular facility has relied as much on Egan's longevity as its specialty services for its day-to-day operations.

Decades of Proactive Support

At North Memorial Medical Center in Robbinsdale, Minn., Egan Company has maintained a full-time presence for over thirty years. The relationship is built on comprehensive building knowledge, leading to gains for the hospital.

"Our team fully understands its mechanical systems. It helps us foresee potential issues and operate without hindering [North Memorial's] staff," said Egan Company Project Manager Shawn Kubinski.

A hospital's mechanical network encounters typical problems like plumbing backups, but it is further complicated by the medical gas systems that flow

throughout the building, such as oxygen, nitrous oxide, or carbon dioxide. Working with these gases requires special certifications. But it takes more than certifications to do exceptional work for a fast-paced hospital. North Memorial's Engineering Services Supervisor, Andy Baumtrog, attributes the success to Egan's steadfast, proactive team.

"They do a great job of taking care of us and bringing good ideas to the table," said Baumtrog. "Credit to Shawn Kubinski [Project Manager], Rick Johnson [Sheet Metal Foreman], Steve Rother [Plumber Foreman], Scott Degel [Plumber Foreman], Shawn Collette [Pipefitter Foreman] and Egan's Service crew."

Minnesota's healthcare infrastructure has grown beyond recognition compared to the days of the Egan brothers. Now more than ever, healthcare facilities will need specialized support as they work to care for the millions of patients who walk through their doors annually. ■

SELECT EGAN HEALTHCARE EXPERIENCE

- North Memorial Health Care
- Mayo Clinic
- HealthPartners
- Fairview Health Services
- Allina Health
- Hazelden
- PrairieCare
- Hennepin County Medical Center (HCMC)
- Minnesota Veterans Home
- University of Minnesota Medical Center
- Minneapolis VA Medical Center
- Maple Grove Hospital
- Washburn Center for Children
- Gillette Children's Hospital
- Courage Kenny Rehabilitation Institute



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PrairieCare's Brooklyn Park facility is Minnesota's only privately-run child and adolescent specialty psychiatric hospital. The facility features rooms for group therapy, meditation, and other activities. Egan Company provided all electrical work, and installed fire alarms, security cameras, and voice, data, and fiber TV cabling throughout the facility.



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- Project Feature: Cenex Harvest States
- Celebrating 70 Years of Project Expertise
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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*.