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HARRIS HORIZONS

September 2014

PLUMBING | PROCESS PIPING | HVAC | REFRIGERATION | CONTROLS | SERVICE | CONVEYORS | ENERGY SOLUTIONS

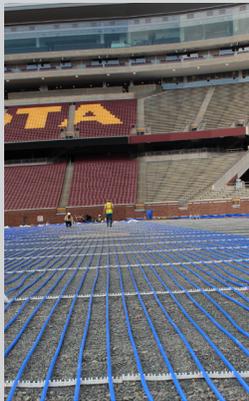


Stadium Improvements

Harris Mechanical recently completed the TCF Bank Stadium Improvements project for the University of Minnesota installing a new heated field and upgrading various heating systems.

In order to serve as the temporary home for the Minnesota Vikings until the Minnesota Multi-Purpose Stadium (MMPS) is completed in 2016 (see **Harris Employees Get Rooftop View** feature on right), the University's TCF Bank Stadium was in need of some key improvements to meet specific NFL mandates and to accommodate both fans and players for the upcoming winter months.

To help improve playing conditions for athletes during the colder months,



Harris installed a heated field that utilizes the existing steam system, redundant shell and tube heat exchangers, redundant pumps, and over 38 miles of hydronic pipe.

Aquatherm hydronic pipe, a popular choice for athletic fields in Europe, was selected for this Design Build project and was used for the first time in the United States for a field. Selection of this piping system was made based off the piping properties of polypropylene, the O₂ diffusion rate, and the manufacturer's warranty.

To ensure cold weather plumbing functionality in restroom and concession areas, Harris also upgraded various heating systems throughout the stadium. ▲

Harris Employees Get Rooftop View & Update on Minnesota Multi-Purpose Stadium Project

Harris Companies project managers, engineers, estimators, and construction executives gather at the Minnesota Multi-Purpose Stadium (MMPS) project to get an up-close view and an update on the progress of one of the largest commercial projects in Minnesota.



PRESIDENT'S PERSPECTIVE



Those who travel for business know that "business travel" is generally not one of those things you look forward to. But there are exceptions.

During July I had the opportunity to travel to our MOX jobsite near Aiken, South Carolina. The MOX site is an amazing place to visit. The enormity of the project combined with the

uniqueness of the systems that are being installed leads to a site visit like most have never had. But I wasn't there for a traditional job walk. I was there for a celebration.

During that visit, we celebrated 1,000,000 safe hours worked without a lost time injury. This wasn't a celebration for the entire job, this was specifically for the work performed by Superior Air Handling (the overall project had an impressive record as well, which at the time, exceeded 19,000,000 hours without a lost time accident!)

An achievement like this doesn't happen by accident. It grows out of the culture created on the jobsite where

everyone looks out for each other's well-being. A culture like this only exists when all of the team members go beyond mere compliance to the rules, and embrace a proactive approach to safety. My congratulations to everyone working on the project!

We also celebrated another amazing safety milestone. On 6/30/14 our fabrication facility in Zumbrota, MN achieved 1,000 days without a recordable incident.

This achievement wasn't just luck. It was a result of a concerted, intentional effort.

Many in our industry tend to believe that safety comes at the expense of productivity. I don't believe this to be the case. While going 1,000 days without incident our fabrication facility has managed to improve both sheetmetal and piping fabrication productivity and quality. My belief is that a safe worksite is also a productive worksite.

Please join me in congratulating all of the individuals who contributed to these amazing milestones! ▲

Greg Hosch, CEO

GREEN SOLUTIONS

Nick Rosenberry, PE, LEED AP BD+C

Director of Sustainability, Business Development Manager, Industrial

Harris Partners with Low Voltage Contractors



Harris Controls has partnered with Low Voltage Contractors to form the HALO Alliance - www.HALOAlliance.com. Our HALO

technology is a non-proprietary platform that creates smart buildings. The universal software infrastructure allows the operator to access, automate and control the building systems in real time, from a single location. Often this technology can be added on top of existing building systems. Additionally, we have a demonstration facility to show the benefits of the technology.

Bringing building systems (lighting, HVAC, card access, video surveillance, and fire alarm systems) onto the HALO system can help to drive energy and operational savings, improve tenant satisfaction, allow for predictive maintenance, and provide the capability for remote response.

Case studies have shown as much as a 50% reduction in energy use in smart buildings. Other studies have shown operational savings due to smart buildings. Savings from energy and operational cost reductions are significant and real, but often the biggest impact comes from the improvement in satisfaction and knowledge of the tenants or occupants. The HALO system is able to accomplish this by creating and displaying data in an easy to use dashboard that gives building operators and occupants real-time feedback on their actions related to the use of the building. ▲

ZEROING IN ON SAFETY

Dan Kent,

Corporate Safety Director

Harris Launches Web Based Safety System

To centralize and streamline our company's safety data, tracking, reporting and training systems, Harris Companies is teaming up with IndustrySafe and utilizing its web based safety system. When we first started looking for a web based system, the two main areas of focus were to develop a safety related corporate dashboard and to have a universal tracking system for safety training. With IndustrySafe, we were able to accomplish this and much more.

Some of the different modules that will help enhance our safety mission:

> **Harris Companies Dashboards** will include leading and lagging indicators.

> **Incident Reporting** will have automatic alerts to key personnel and OSHA reports, and will assign corrective actions and incident investigation follow-up.

> **Safety Audits** will have several jobsite audit options including vehicle inspections.

> **Hazard Recognition and Near Miss Reporting** will help trend our hazard recognitions/ near misses, and allow us to inform employees about trends throughout the country.

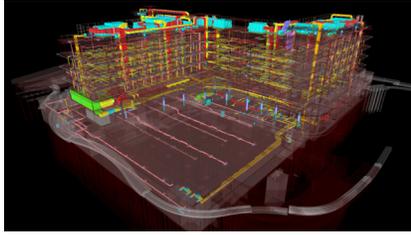
> **Corrective Actions** will be tied closely with the incident and hazard recognitions/ near misses. It will ensure that we are not only recognizing issues, but that we are following them to a successful conclusion.

> **Training** will allow us to input our training classes, track student success, and send email alerts for upcoming training renewal dates. ▲

Superior Air Handling

Lucile Packard Children's Hospital - San Francisco, CA

Construction is currently underway for the new Lucile Packard Children's Hospital (LPCH) addition. Utilizing Lean construction and BIM methods, Superior will be installing ductwork, make-up air units, HEPA filtration units, computer room AHUs, customized air handling units, CHW fan coil units, and exhaust fans in the months to follow.



Harris Mechanical Intermountain

Hyatt Place Park City - Park City, UT

Construction of this 122-room extended stay hotel development is currently underway with Harris Mechanical Intermountain providing complete Design Build mechanical services.



Harris Mechanical Intermountain

Stein Eriksen Residences - Park City, UT

This fall, Harris Mechanical Intermountain will be providing complete Design Build mechanical services for the construction of the Stein Eriksen Residences project. The site for this project is located at an elevation of 7,800 feet overlooking Park City, and will include the development of 44 luxury condos surrounded by 14 custom homes and a main lodge that will offer exclusive ski in/ski out access and year round recreational opportunities. The lodge will feature a fitness center, spa, restaurant, kids play area, and an indoor/outdoor infinity swimming pool.



Harris Mechanical Intermountain

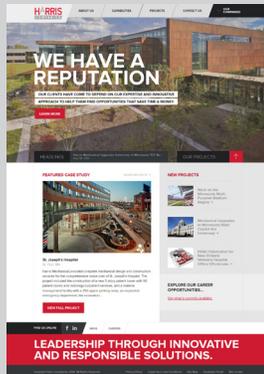
ICU Medical - Salt Lake City, UT

Harris Mechanical Intermountain recently completed Design Build work for the ICU Medical Clean Room project using a water side economizer with bypass cooling coil to reach higher efficiencies.



DID YOU KNOW

- Harris Mechanical Pipefitter Apprentice Taryn Fischbach was awarded an Association of Women Contractors (AWC) scholarship earlier this summer at the AWC's annual Scholarship Golf Event held on June 25th at the Oak Marsh Golf Course in Oakdale, MN.
- In June, our fabrication facility in Zumbrota, MN celebrated 1,000 days without a recordable incident.
- In June, team members at Superior Air Handling's MOX project site in Aiken, SC celebrated 1,000,000 safe working hours without a lost time injury.
- Harris Companies launched its new website which includes links to new company social media pages at LinkedIn and Facebook.
- Harris Mechanical Southwest Controls Division was formed earlier in the year and David Reid was recently hired as Sales Manager to secure new accounts and start-up the division.



www.hmcc.com



HiMEC Mechanical

Rochester Public Schools - Rochester, MN

Through the Best Value bidding/construction process, HiMEC Mechanical was awarded multiple contracts to complete mechanical work at various elementary schools. Plumbing and HVAC services were provided for building additions designed to accommodate a new full-day kindergarten program at five elementary schools, and work on a two-year indoor air quality upgrade at another elementary school was completed. All projects were done during the 12-week summer break period and will improve air quality and reduce energy consumption for the Rochester Public School system.

Harris Controls

Minneapolis Public Schools - Minneapolis, MN

Harris Controls, who has been working with the Minneapolis Public School District since 2007, was awarded multiple projects for ten schools in the District earlier this year. Harris has been replacing both pneumatic and legacy control systems over the past summer months to provide energy savings and improve the comfort of these facilities in time for the new school year.

Harris Controls

Northern Iron & Machine - St. Paul, MN

Harris Controls has begun work on designing and installing a Honeywell WEBs building automation system for Northern Iron & Machine. The system will be controlling and monitoring HVAC equipment, and monitoring smart power meters, industrial compressors, dry coolers, and pumps in their steel foundry.

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PROJECT SPOTLIGHT

Harris Mechanical Intermountain Is Awarded Salt Lake City International Airport Project



Harris Mechanical Intermountain has been awarded the mechanical and plumbing work for the first phase of the Salt Lake City International Airport Redevelopment. This includes the Quick Turn Around and the Rental Service Site. Construction on the \$1.8 billion program began in July 2014 and will continue in phases through 2022. The terminal building will be completed in 2019. 

For more information about this project, visit >
<http://www.slairport.com/thenewslc.asp>