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HARRIS HORIZONS

Spring 2014

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

Opportunities Abound



Spring officially arrived March 20th, and while the Minnesota landscape will stay white for a while longer this year waiting on Mother Nature, the skyline of east Minneapolis is rapidly changing. The Minnesota Multi-Purpose Stadium (MMPS) project officially broke ground December 2013 and it's been moving at an aggressive pace ever since. The once mighty Metrodome is now gone, leaving us with memories, videos on YouTube and anticipation.

Harris Mechanical is proud to be the main mechanical subcontractor providing all plumbing, HVAC and temperature controls for the new MMPS project. It's been estimated that roughly 4.3 million construction work hours will be required to complete the MMPS project. Working on what is considered to be the largest commercial project built in Minnesota the Harris team offers some insight and shares their excitement for the project.

"To build a project of this size and scope... it requires a dedicated and focused team effort, and having a highly skilled, expe-

rienced and built-for-speed field team is really where the rubber meets the road," explains Harris Mechanical Senior Project Manager Dave Bawek. "It's going to be the driving force to our success on the project."

"It's going to be similar to the TCF Bank Stadium project, but on a much larger scale," states Harris Mechanical Plumbing Superintendent Rick Smeed. "The sheer size of this project is what's challenging and exciting," explains Harris Mechanical Senior Vice President Darrel Bugel. "Stadiums are one of a kind buildings and each have very unique features. The challenge is how you address those unique aspects of the project."

"Sitting down with the design team early-on really helped us identify both the challenges and the opportunities that ultimately drive the design and the budget," said Harris Mechanical Pre-Construction Project Manager Jon Vollmer. "Once we looked at plans and understood what their intent was, we were able to leverage our experience and find ways to do it more efficiently."

To maximize productivity, control the quality of work and improve job site safety, all mechanical systems will be modeled, fabricated, pre-assembled and stored at the Harris Companies fab shop in Zumbrota, MN for "just in time delivery" to the jobsite. "It's going to be an exciting, very fast moving project...the schedule is extremely aggressive," said Harris Mechanical Project Superintendent Chuck Schmaltz, "pre-fab and modularization will play a big role in helping us meet many of our schedule milestones and sending everyone home safely."

"This project's not only offered great growth opportunities for our existing and newly hired Harris employees, but it will also create new jobs in the area," said Bugel. To meet the needs of the project and work toward targeted workforce and business goals, Harris will be recruiting and contributing to the training and development of more than 150 new tradespeople in the St. Paul and Minneapolis area. "We take great pride in having this opportunity to help build our industry along with a great project." ♡

PRESIDENT'S PERSPECTIVE



There are probably more than a few of you reading this who might remember Jerry Dalton. Jerry had just shy of 32 years with Harris Companies when he passed away in December 1999 after a long battle with cancer. Through his career he impacted many of our employees, including myself, in a positive way.

Jerry was one of those individuals who, when you asked him to help with something, didn't tell you about all the things he already had on his plate, how difficult it was going to be, or why someone else should do it, he just jumped in and did it. It didn't matter what it was or where it was. Jerry exemplified our value of "Do what it takes" before we had even thought to put it to paper.

To honor and remember Jerry, in 1999 we started the Jerry Dalton Award. The award is given each year to an employee who exemplifies Jerry's level of dedication to the company with a priority on honesty and integrity in dealing with others, as well as dedication and service beyond the

call of duty. All of this while demonstrating keen loyalty and pride for the company, fostering teamwork, and a willingness to help others. Jerry was the first recipient.

Each year we select one individual, and in addition to a cash award, their name is added to the plaque commemorating the recipients in the lobby of the St. Paul office.

This year's recipient has worked on some of our largest projects. He has travelled for the company when we've asked him to. He is hard working, calm, collected, always professional and he has been with Harris since August of 1989.

Please join me in congratulating Chuck Schmaltz as the 2013 Jerry Dalton award winner. 🍷

Greg Hosch, CEO

GREEN SOLUTIONS

Nick Rosenberry, PE, CEM, LEED AP – Director of Sustainability & Business Development Manager, Industrial Services

A Key Driver of Innovation

Three researchers have found that many companies are changing the way that they approach sustainability. The old approach is to look at sustainability as a corporate, social responsibility, where the sustainability goals are separate from, and even opposed to, the business goals. Their research has found that "...smart companies now treat sustainability as innovation's new frontier." Approaching sustainability as an opportunity for organizational and technical innovation can have significant top line and bottom line returns.

This research, which is presented in the Harvard Business Review and titled, "Why Sustainability Is Now the Key Driver of Innovation" has found five key areas of aligning sustainability and innovation. These are:

1. Viewing compliance as an opportunity.
2. Making value/supply chains sustainable.
3. Designing sustainable products and services.
4. Developing new business models.
5. Creating next practice platforms or changing existing paradigms. 🍷

ZEROING IN ON SAFETY

Dan Kent – Harris Companies Corporate Safety Director

Taking Safety Home: Pre-planning

Pre-planning activities in the work place is second nature to us: daily pre-task, crane pick plans, task safety analysis, crisis management plan, emergency action plans, etc... But often times, we don't utilize the same processes at home. Taking the time to pre-plan home activities can be just as important! Below are a few examples of where we can utilize the pre-planning process at home:

- Fire Prevention and Escape Planning
- Severe Weather Plan, Including What to Do After the Storm
- Chemical Storage and Disposal
- Prescription Medicine Control
- Fall Protection (Falls in and around the Home are One of the Most Common Accidents)
- Home Invasion

Taking the time to pre-plan our home activities, the expected or the unexpected, can make the difference between a safe and successful outcome and a trip to the emergency room or worse!! Safety doesn't stop at the work site; safety at home is just as important. 🍷

HiMEC Mechanical - Rochester, MN

University of Iowa, Voxman Music Building, Iowa City, IA - HiMEC Mechanical was awarded the mechanical contract on the Voxman Music Building. HiMEC Mechanical is teaming with CR Thunder, based in nearby Cedar Rapids, IA, to provide the plumbing and heating piping. The Harris detailing team is providing all BIM modeling and detailing. Project is scheduled for completion in 2016.



Artist rendering of finished building

Harris Mechanical Southwest - Phoenix, AZ

Williams Air Force Base, Mesa, AZ - Harris Mechanical Southwest was just awarded a new project for Williams Air Force Base in Mesa, AZ through TerraTherm, Inc. who are based out of Gardner, MA and specialize in soil remediation projects. The scope involves the installation of roughly 25,000 LF of piping from temporary equipment to a well field and injecting steam into the ground to extract contaminants on a vacated portion of the Air Force base.

Superior Air Handling - Clearfield, UT

Solar Energy Research Center (SERC) - The three-story structure will be nearly 40,000 sq. ft. in size and will house approximately 75 people. The \$54 million project is slated to be completed in late 2014. SERC will house research laboratories and offices of the Joint Center for Artificial Photosynthesis (JCAP), devoted to fundamental research and technology development of a solar fuel generator. These facilities will utilize methods for synthesizing new light absorbing materials, catalysts for fuel generation, separation membranes, and assembly methods to build a complete integrated system. The goal is to develop prototype artificial photosystems capable of robustly producing a fuel from sunlight ten times more efficient than current crops, only using non-arable land.



An illustration of Berkeley Lab's Solar Energy Research Center. (Image: SmithGroup Architects)

Harris Mechanical - St. Paul MN

Xcel Energy Administration Building, Red Wing, MN - On January 24, 2014 groundbreaking took place for Xcel Energy's new Administration Building at the Prairie Island Nuclear Generating plant site in Red Wing, Minnesota. The 77,000 sq ft 3 story office building will house over 300 employees. Harris Mechanical is providing sheet metal, plumbing, piping, fire protection and controls under a design assist contract. Completion is scheduled for December 2014.



Did You Know...

- Harris Companies has welcomed 19 new employees since January 2014
- HiMEC Mechanical raised \$1,375 during the St. Jude Radiothon for St. Jude Children's Research Hospital
- **Chuck Leach** celebrated 35 years with Harris Companies in March 2014 and **Brian Miller** celebrated 25 years with HiMEC Mechanical in February 2014

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For an electronic version of the newsletter or to submit comments and suggestions, contact Karen Maynard at kmaynard@hmcc.com or Lucie Marusin at Imarusin@hmcc.com.

PROJECT SPOTLIGHT

RM Thornton Mechanical Helps Restore Historic Church in Our Nation's Capital



RM Thornton Mechanical was awarded the Design/Build HVAC contract to design and install a new comprehensive HVAC system for the historic Christ Church Episcopal and the Parish House buildings located in Alexandria, VA.

"It was a highly competitive bid," said RM Thornton Mechanical division Project Manager Curtis Wilson. "We were one of four mechanical subcontractors from the Washington, DC area invited to bid on what was initially just the design portion of the project. It's a special project to us...we're working with a great group of people from the church's project committee and the site has a lot of history that we feel like we're helping preserve."

Designed by James Wren in the colonial Georgian style and built during the period between 1767 and 1773, Christ Church was the

first Episcopal Church in Alexandria and a place of worship for many prominent historical American figures including George Washington, Robert E. Lee, George Mason and many U.S. presidents. Legend has it that George Washington announced to his friends in the Christ Church graveyard his intentions of fighting for American independence. In 1970, Christ Church was added to the U.S. National Register of Historic Places and was designated as a U.S. National Historic Landmark, and has many visitors each year that take tours featuring the church's interesting architectural features and history.

In the design phase of the project, RM Thornton identified a range of high efficiency and cost effective HVAC options for Christ Church to consider and review. For each option, a life-cycle analysis and schematic design were developed addressing the many priorities and challenges of this project that included architectural impact, energy consumption, total ownership cost, and potential operational disruption. "The Christ Church Committee was so pleased with the proposed approach for the design, GMP and life-cycle analysis, that they decided to forgo the bid process for the installation and award the project to RM Thornton Mechanical" said Wilson. ♡