



High Performance Buildings

Fall 2010 | Issue 15 | Vol. 8

Tampa Museum of Art

The new Tampa Museum of Art opened to high public acclaim in January of 2010. The 66,000 square foot building replaces the former facility which was less than half its size. The Museum was designed by Stanley Saitowitz Associates of San Francisco, California and constructed by Skanska Inc. of Tampa. The lead mechanical design engineer was Al Lopera of TLC Engineers of Tampa.

The \$30,000,000 Museum is situated in a newly redesigned City of Tampa Park, inspired by New York-based landscape architect Thomas Balsley. The park overlooks the picturesque Hillsborough River and the iconic minarets of the University of Tampa and is nestled beneath the ever growing skyline of downtown Tampa.

In addition to the interior gallery space, the Museum structure features an exceptional outdoor-of-doors work of art. As construction was being completed in 2008, the Museum commissioned Leo Villareal, a New York-based digital artist to create a dynamic electronic sculpture on the building's 45 foot high by 350 foot long South façade. The ever-changing work titled "SKY" was completed prior to the museum's opening and can be seen nightly after dark from the park.



Tampa Bay Trane is pleased to have provided the building's complete HVAC System including Trane Air Cooled Screw Chillers, Trane Modular Climate Changer Air Handlers, Trane Varitrane Variable Air Volume Boxes and a complete Trane Tracer Summit Control System. This Trane Comfort System is capable of maintaining precise temperature control to +/- 2 degrees and precise relative humidity control to +/- 2% as required by the Museum to earn their accreditation. The projects' mechanical contractor was Tappouni Mechanical of Tampa.

The museum is open Mondays, Tuesdays, Wednesdays and Fridays from 11 a.m. to 7 p.m., Thursdays from 11 a.m. to 9 p.m., and Saturdays and Sundays from 11 a.m. to 5 p.m.



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Frost & Sullivan Recognizes Trane With The “2010 Green Award”

Based on its recent analysis of the energy-efficient heating ventilation and air conditioning (HVAC)

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controls contracting, turn-key design and energy services. Trane utilizes a Six Sigma methodology to select the

services solutions market, Frost & Sullivan recognized Trane with the “2010 North American Award for Green Excellence and Service Innovation.” Each year, Frost & Sullivan presents this award to the company that has developed a service platform characterized by long-term sustainability, the ability to optimize resource usage, and the adaptability to changing environmental needs. Frost & Sullivan further stated:

best ECMs based on key customer importance factors and an extensive assessment of the buildings’ purpose to determine an appropriate investment strategy.

Trane has demonstrated significant measurement and verification energy savings. The company evaluates sustainability improvements and helps to significantly reduce the short- and long-term environmental impact of its customers’ facilities.

“Using flexible service models that encompass the unique requirements of a diversified range of customer segments has contributed to the consistent growth of Trane and retention of its strong customer base,” says Frost & Sullivan industry manager Jorge Moreno. “Trane also provides renewable energy alternatives that enable clients to cultivate financially, as well as sustainably, over time.”

Trane’s energy efficient services are leveraged through its extensive HVAC domain and proven energy conservation measurements (ECMs) using three key interchangeable energy efficient contracting services:

Trane continues to excel through its highly innovative approach and proficiency in applying its strong industry knowledge to different aspects of evaluating green buildings and enhancing building performance and efficiency.

Meet Jeffrey Watson



Tampa Bay Trane is pleased to announce the appointment of Jeffrey Watson as Sales Manager of our Trane Building Services Group. Trane Building Services provides a broad range of non-destructive testing, preventative maintenance, repair and replacement and aftermarket services to building owners.

Jeffrey graduated with a degree in Mechanical Engineering from the University of Maryland. Prior to joining Tampa Bay Trane in July 2010, Jeffrey held positions as General Manager of Mechanical Engineering and Construction Corporation of Ashburn, Virginia and as the Service Sales Manager for Colonial Webb Contractor’s Northern Virginia Office. He brings with him vast experience in HVAC systems design and installation as well as a strong background in marketing and sales management.

Jeffrey, his wife Jamie, and their two young children recently relocated to Valrico in East Hillsborough County.

Giving Back



At Tampa Bay Trane, our values are reflected in the way we conduct our business each and every day in the office, in our parts stores and in the field. Every year Tampa Bay Trane makes a commitment to give back to the community by supporting the United Way. This year’s campaign started in August and ended on Oct. 1, 2010 with a “Thank you” Luncheon.

This year’s campaign included a multitude of fund-raising activities:

- Children’s Book Drive – goal: 150 books, actual: 194 books
- Friday – Jean Day
- Texas Hold ‘em Poker Tournament – Winner: Matt Kruse
- Ping Pong Tournament – Women’s winner: Briana Scott
- Ping Pong Tournament – Men’s winner: Troy Dyke, Carastro and Associates

This year’s campaign had the highest participation ever, and with 20 new pledges we were able to reach the \$40,000 goal set for the United Way.

A special thanks to the United Way Committee – Eva Johns, Chris Cabrera, and Debbey Yard.

Girl Scouts & ASHRAE

Written by Jennifer Isenbeck, University of South Florida

On Wednesday July 21, 2010 representatives of the local ASHRAE chapter, Jennifer Isenbeck, Mike Cowles and Henry Dilport, along with Tampa Bay Trane representatives Casey Vaughan, Melissa Hargrove, Stephen Koontz, Dennis Blake, Gary Denton, and George Barbari were honored to give a tour of the new USF Southeast Chiller Plant to the Girls Scouts of West Central Florida. The tour was part of a summer camp called 'Minds for Design' and the emphasis was STEM (Science, Technology, Engineering and Math). Only 27% of current STEM-related jobs are held by women and Girl Scouts of West Central Florida is hoping to increase that number by highlighting female role models who have already blazed a path in these careers.

Jennifer, Casey and Melissa all shared stories with the girls regarding their educational and professional career paths. While all three are degreed engineers, each had specific engineering interests and were able to discuss the differences in engineering fields, how projects can come together and how opportunities are abundant! Henry Dilport, the Design/Build project manager for the plant provided a tour explaining energy



in/energy out. He was impressed with the inquisitive nature and depth of the questions the girls asked during the event.

More information about the STEM camp can be found at <http://video.tbo.com/m/32917659/girl-scouts-teach-non-traditional-careers.htm?q=girl+scouts>. The new chiller plant has 4,600 tons of cooling capacity in a primary variable configuration and has been running since June 8, 2010.

Trane R'newal – What is it? Do I need one?

Trane is known for building reliable, tough and long lasting equipment. It is often not until an owner has installed and operated a unit for 15 or 20 years that he/she gains a full appreciation of the value Trane provides.

Now Trane offers R'newals to help insure an even longer life span for Trane Equipment and provide assurance of even more reliable operations in the autumn of the equipment's expected life span. In these days of tight budgets and lack of funding for equipment replacement, Trane's R'newal program is a cost-effective and time-centric method of renewing the internal components of your Trane products. Along with the



option of obtaining a new and extended Trane factory warranty with a Trane R'newal the owner has the assurance that the facility's equipment is ready to provide many more years of reliable service.

R'newals are available for Trane Model RTHA, B, C watercooled screw chillers, Trane RTHA, B, C aircooled chillers, Trane CVHE, F Centrifugal Chillers and Trane

Tracer 100 and Summit Controls Systems.

Contact your Tampa Bay Trane sales representative for details on your specific project or call Sandy Tulecki at 813-877-8251, extension 1252.

Strengthen your knowledge!

Set yourself above the rest and strengthen your skill set, embark on new subjects, put your feet on unfamiliar ground and claim it! Tampa Bay Trane has the right tools to get you to the next level of commercial HVAC enlightenment. Our 2010-2011 Training seminars are under way so, don't miss the bus. Get yourself on the right path to becoming the highly trusted expert in your trade.

The 2010-11 season features 7 new subjects and most of the existing courses have been updated with new and current information. Our instructors, many of which have over 20 years of experience, are factory trained and enthusiastic to share their knowledge with you. You will receive an immense amount of technical information and support materials that you can use for future reference. Our training sessions include theory, real life situations and informal question and answer sessions. There are still numerous classes left on our schedule. Here is a list of what's yet to come:

- › Basic Electricity CenTraVac Operator – Part 1 & 2
- › Chilled/Hot Water Pumping Systems – Part 1 & 2 *New!*



- › Chiller Control Panels – Part 1 & 2
- › Commercial Applications for HVAC Compressors *New!*
- › Commercial Motors *New!*
- › Cooling Towers & Condenser Water Treatment
- › Cooling Towers & Pumps Operation & Maintenance
- › Helical Rotary Chillers – Part 1 & Part 2
- › Intellipak Rooftop Units
- › Introduction to Green Buildings, LEED & ASHRAE Ratings
- › Large Commercial Split Systems – 20 to 120 Tons
- › Managing Building Moisture
- › Residential Motors *New!*
- › Rooftop Packaged Units – 2-15 Tons *New!*
- › Small Split Systems – 2-15 Tons *New!*
- › Tracer MP580/581 Installation & Programming – HQ Version *New!*
- › Tracer Summit Building Operator – Advanced
- › Tracer Summit Building Operator – HQ Version
- › Variable Air Volume
- › Variable Frequency Drives

To register, log on to www.tampabaytrane.com, follow the links to training and download the registration form. Sessions are available in Tampa and Ft. Myers, view local schedules for subjects available. If you have any questions, please contact Eva Johns at 813-877-8251 or e-mail eva.johns@trane.com.



Tampa Bay Trane/Southwest Florida Trane

902 N. Himes Avenue
Tampa, FL 33609
813-877-8251

6461 Topaz Court
Ft. Myers, FL 33966
239-275-9420

For questions or comments please contact:

Sandy Tulecki
sdtulecki@trane.com

Eva Johns
eva.johns@trane.com

(813) 877-8251