New Waterfront Facility
TTI-FSS First Barge Shipment

Success for our customers, our employees and our company
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A New Horizon at the Port

A new facility on the Port of Tampa kicks off a new and exciting time for TTI-FSS. The past couple of years have seen us grow in size and stature to become one of the premier steel fabricators in the country thanks to our team’s continued focus on safety, quality, and production. The new Port location will afford us a great opportunity to escalate our business development activities. This will improve greatly our capacity and capabilities, adding a water accessible fabrication / assembly facility, and augmenting production at our two existing Tampa facilities.

TTI-FSS will take up residence at our new Port Tampa Bay operations late May 2015. Our new facility occupies some 100,000 square feet for fabrication on 25 acres with direct access to a 37-foot deep-water shipping berth. It will house two heavy fabrication buildings and large concrete pad assembly area to allow us to capture new opportunities in modular construction, large bridge assemblies and large pressure vessel construction, all of which can weigh into the millions of pounds. This additional facility will allow safer, more efficient operations on these large assemblies, while giving us direct access to a deep water berth for more efficient barge shipping to our valued clients. TTI-FSS, a company building, expanding, and creating exciting opportunities into the future.

David Hale, CEO

Cover photo: The first barge at the new TTI-FSS facility at Port Tampa Bay is 44 feet by 165 feet and carries more than 284 tons of steel towers.
On May 20th 2014, TTI-FSS began an exciting journey to help the Minnesota Department of Transportation improve access for some 19,000 commuters traveling each day between Minnesota and Wisconsin with the new St. Croix River Bridge. TTI-FSS was assigned the task of producing ±2,000 tons of material, including 10 cable stay pier towers; three sequences of catwalk with side cells and access ladders; and 160 deck anchorage pipes, among many other fabricated pieces.

This demanding project requires exceptional precision to meet the critical fabrication tolerances on the cable stay towers. At approximately 43 feet tall and 15 feet wide, each tower weighs about 76 tons. The catwalk and grating running through the center of the bridge presented an equally tough challenge. These three sequences consist of ±3,300 feet (or 11 football fields) of galvanized steel and grating. Nearly every component carries the 100% melted-and-manufactured-in-the-USA label.

The St. Croix Crossing is expected to be completed in late 2016. Despite the long-distant deliveries in subzero temperatures, strict deadlines and many hours dedicated to fabrication, the TTI-FSS team has continued to prove they can meet the challenge.
In Panama, TTI-FSS is relocating seven pipelines for client Constructora MECO at the planned construction site for a new highway interconnector. The construction will provide this region of the country with a more fluid transportation system to enhance commerce by connecting such key areas as a seaport and the western economic development zone created through the Panamanian government initiative called Panama Pacifico.

The project consists of relocating two 20-inch lines, three 12-inch lines and two 10-inch lines, each 3,603 feet in length, that currently serve PATSA, another TTI-FSS customer in Panama. Once the relocation is completed (as shown in the drawing above), a tie-in process will connect the new lines to the existing system.

At this point, the TTI-FSS crew has worked over 13,000 man hours installing approximately 75 percent of the pipelines and is preparing to perform the hydrotest.

The crew for this project includes Project Manager David Aldana, Site Manager Jose Golindano, Superintendent Ronald Lopez, Supervisors Alfredo Lopez and Juan Carlos Torbay and many fitters, welders and helpers from Central and South America.
From early 2010 until January of this year, TTI-FSS fabricated and delivered 65 tub girders to be used along US 19 in Clearwater, Florida. These girders were used in three different bridges: One over State Route 60 required 30 girders, one over Seville Boulevard required ten, and one over Belleair Road required 25. These girders ranged in weight from 33 to 84 tons and were from 68 to 152 feet long. TTI-FSS delivered all 65 girders on time under strict deadline conditions, and erected them on site at all three locations.
TTI-FSS has been a leading force in the steel fabrication marketplace since 1953. Much of that success comes from repeat business from customers – sometimes from many years past.

Recently, the company received a set of drawings to quote eight scrubber tanks for a south Florida waste water treatment facility. Imagine our surprise to see the very same drawings for tanks TTI-FSS had designed, detailed and fabricated in 1989 – 26 years earlier – and were still in use.

The new project consisted of eight unstamped pressure vessels to be used at two water treatment plants. TTI-FSS fabricated galvanized steel platforms for each vessel and implemented a revised design for the tanks at one site to add nozzles to allow piping fluids into the tanks from either side.

The TTI-FSS team is looking forward to producing tanks for this facility 26 years down the road!
On March 29, 2012, the city of Chicago launched a comprehensive infrastructure improvement program dubbed “Building a New Chicago,” which included the construction of the 35th Street pedestrian and bicycle bridge. The current bridge, erected in 1933, was no longer adequate for providing a safe means of passage from south Chicago neighborhoods to the city’s waterfront parks. The new bridge will allow area residents to safely cross a series of six railway tracks and eight lanes of busy South Lakeshore Drive traffic to reach the parks on Lake Michigan. It will be a single-cable span bridge with a post-tensioned concrete deck spanning 620 feet, all supported from 105-foot tall steel pylon.

TTI-FSS was tapped to fabricate the large central pylon, which consists of two legs, each weighing 118,844 pounds, and a head section weighing 54,809 pounds. The pylon’s unusual geometry and sheer size presented unique challenges. Each leg has a trapezoidal cross section following a parabolic curve down 90 feet and each is made with heavy plate, some as thick as 2 ¼ inches. The head section connects the structure’s legs and is the focal point of the bridge.

The 35th Street Bridge is designed to be both structural and aesthetically pleasing, so the central bearing component is both functional and a form of artwork. TTI-FSS will coat the structure in white before shipping it the 1,150 miles to its destination, where it will be assembled and erected by James McHugh Construction. Delivery is scheduled for June 2015.
Don Lowe, environmental, health and safety (EH&S) director for TTI-FSS, participated on the Best Practices for Maintaining Compliance panel at the 2015 ISN Connect Conference in Grapevine, TX, in early April.

Don has 25 years of experience in such areas of construction as cellular tower erection, structural steel, heavy civil, commercial roofing, maritime construction and Corps of Engineers projects. He is currently head of all safety for TTI-FSS domestic and international operations.

He addressed compliance maintenance through keeping insurance certificates and waivers up to date; reporting annual statistics; sustaining safety programs; keeping up with inspections and audits; and ensuring new clients’ safety requirements are met.

He recommended maintaining a database of safety programs by verifying at least every three years that the latest versions are in place and revised program changes are made in a timely manner to avoid confusion and miscommunication. He also emphasized the importance of understanding how new types of work may trigger new safety program requirements for a company and how different clients may have different safety performance requirements to meet their industry best practices.

Audits conducted by client companies to ensure ISN compliance requirements are met keeps a company’s safety rating high. Don also recommended sharing best practices with clients, including an ISN representative in safety communications with clients to strengthen credibility and leverage the resources ISN provides its members.

For more information, visit www.isnetworld.com.
A Retiring Kind of Guy
Rick Unger, senior checker/detailer project coordinator (API), retired in January after 28 years with TTI-FSS. Rick was the company’s primary API 650 expert for many years, most of which he spent mentoring a cadre of young recruits to follow in his footsteps. He has been a steadfast colleague for the TTI-FSS team and will be greatly missed. Rick and his wife plan to spend their retirement on an extended cross-country camping journey. Bon voyage, Rick.

John Niehaus, Logs 20 Years with TTI-FSS
John Niehaus, one of TTI-FSS’ lead detailers, celebrated his 20th anniversary with the company in January. His depth of industry knowledge and dedication to quality production standards have been a valuable contribution to the success of the company.

Casey Morey Earns Florida Certified Contractors License
Project Manager Casey Morey was awarded his Florida Certified Contractor license in March by the Florida Department of Business and Professional Regulation. This certification puts TTI-FSS in a uniquely qualified position for many projects requiring a licensed contractor to perform certain work. Casey plans to continue his endeavors in this area to earn a general contractors license in Florida and other states where TTI-FSS has or plans to establish a presence.

Two Receive Safety Awards
Sam Jervis and Jose Castro were awarded gift cards in recognition of their extra efforts to maintain important safety protocols ahead of production speed on the shop floor at the TTI-FSS Tampa facility. While fabricating a jack plate, they created a special bracket to spread the flanges so it would not break free during production and injure anyone working nearby.
Tampa Tank Inc.-Florida Structural Steel (TTI-FSS) field construction crews posted an unprecedented record in 2014 for setting safety standards. While the group logged some half-a-million man-hours throughout operations in the US, Bahamas, Caribbean and Central and South America, it experienced only one recordable incident. The team’s Total Recordable Incident Rate (TRIR) was only 0.41 for the year. Even more impressive is the fact they had ZERO lost-time injuries.

This is the fifth consecutive year TTI-FSS field safety statistics have improved. Every member of this team deserves recognition for his or her extraordinary dedication to continuous safety awareness and for upholding the responsibility to keep everyone safe.

TTI-FSS continues to solidify its position as the industry leader in safety.

Continuous safety awareness by all field teams during 2014 helped maintain TTI-FSS’ below-industry-average Total Recordable Incident Rate.
Visit TTI-FSS at a Trade Show in Your Area

Connect with the Tampa Tank, Inc.- Florida Structural Steel sales team exhibiting at these upcoming trade shows

🌟 ILTA – Operating Conference and Trade Show
  Booth 225
  June 2 – 3
  George R. Brown Convention Center, Galveston, TX

🌟 NISTM – Aboveground Storage Tank Trade Show
  September 16 – 17
  Moody Gardens Hotel, Galveston, TX

🌟 API Tanks, Valves and Piping Expo
  October 12 – 15
  Aria Hotel, Las Vegas, NV

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