



NOVEMBER 2012

T&T MARINE, INC  
T&T SALVAGE, LLC  
T&T SALVAGE ASIA PTE LTD  
T&T MARINE SALVAGE, INC  
T&T MARINE SERVICES, LLC  
T&T MARINE WAYS, INC  
T&T BRAVEHEART, LLC  
T&T OFFSHORE, INC  
T&T SUBSEA, LLC  
RT AVIATION, INC  
TUG JOSEPHINE, INC  
T&T INTERNATIONAL FIRE & SALVAGE, LLC  
CLEAN GULF ASSOCIATES SERVICES, LLC



## OUR FOUNDER RUDY TEICHMAN JULY 6, 1931 - AUGUST 14, 2012



## T&T HISTORY

In 1957 after serving in the U.S. Army and working for numerous companies, including Marine Machine Works and Todd Shipyard as a machinist, Rudy Teichman established T&T Marine Ways, Inc., a small shipyard on the end of Teichman Point. The business consisted of a dock for working on small vessels, a machine shop and a small dredge. Later a marine railway was built to perform dry repairs on small vessels. In 1960 Rudy bought a wooden tug named "Josephine". He re-floated and rebuilt the vessel to provide towing services in the area. Hurricane Carla struck Galveston in 1961, destroying the shipyard. Rudy started over and by 1964 he was expanding again hiring more employees and building bigger, better facilities and vessels. Recognizing the need for salvage equipment along the Texas Coast, Rudy started T&T Marine Salvage, Inc. Using little more than ingenuity and experience he raised sunken boats and barges. In 1976 he bought a steam crane with a capacity of seventy-five tons for heavy lift work. Today T&T owns and operates a wide assortment of equipment providing a wide range of services including OPA 90 Salvage and Marine Firefighting Services.

With over 40 locations in the United States and its territories, operational bases in South America, Europe and Asia, T&T has strategically positioned offices and alliances across the globe to provide a full range of maritime services and emergency response solutions. T&T owns state of the art portable equipment capable of being dispatched anywhere in the world on a moments notice. The equipment is packaged so it can be easily transported by air, land or sea.

Of course our people are the most important asset. With more than 600 professionals on call, T&T is a collection of world renowned Incident Command Personnel, Salvage Masters, Master Mariners, Marine Engineers, Naval Architects, Diving experts, Firefighting experts, Lightering experts, Heavy Lift experts, Spill Response experts, Environmental Consultant experts and Hydrographic Survey Technicians all ready to respond to the challenges that face our customers. All of our employees share Rudy's commitment to serving the maritime industry.

The dedication, integrity and pride Rudy exhibited throughout his career is alive and well at T&T. Rudy's wife Donna has taken over as CEO of the companies and his oldest son Kevin continues to run the companies along with his sister Kelly. The next generation of Teichman's, Rudy's grandchildren, are being groomed in the family business to carry on the long tradition of service, quality and professionalism the world has come to rely on for more than fifty years.



# BLUE WATER RESPONSE

T&T is a leader in marine salvage operations, focusing on servicing the offshore needs of the maritime, shipping and energy industries in all blue water locations worldwide. As a salvage contractor, T&T has become synonymous with safety, service and reliability in the worldwide salvage arena. T&T is totally committed to the safety, health and welfare of its team, its customers and the environment. Recognizing that marine casualties pose special risks to marine life and ecosystems, T&T mitigates those risks through specialized control and containment procedures. The T&T salvage philosophy is summed up with five simple rules: Zero Discharge! Total Recovery! Total Stop Work Authority! No Failures to Communicate! No Shortcuts!

Cargo off loading during salvage operation of fully laden bulk carrier in Malaysian Waters



## BROWN WATER RESPONSE

T&T has performed numerous wreck removal operations involving vessels and structures of all shapes, sizes and weights in all types of brown water locations. As always, each project is handled with the highest emphasis on safety, service and reliability. T&T's objective is to conduct the safest and most responsible wreck removal operations regardless of task. As with all services, T&T customers can expect the highest quality from an experienced team dedicated to getting the job done right. When it involves wreck removal, T&T's philosophy is simple and straightforward: Every Wreck Removal is Unique – Nothing is Routine! Total Stop Work Authority! No Failures to Communicate! No Shortcuts!

Salvaging 2,000 DWT drill barge - Coastal Louisiana



# WRECK REMOVAL

From its worldwide bases, T&T possesses one of the most extensive wreck removal capabilities. In addition to having pre-positioned response equipment throughout the world, T&T owns and controls several portable cutting and lifting systems. This capability allows T&T to mobilize its specialized equipment to areas where only limited local assets exist, thus mitigating delays and expensive mobilizations. These portable assets can be quickly mobilized by air to the far corners of the globe, meaning no situation is beyond T&T's geographic reach.

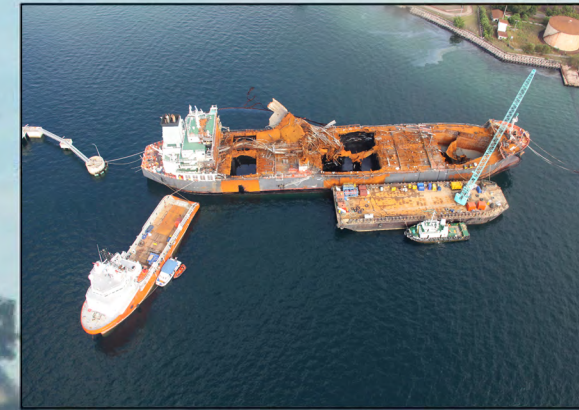
Cutterhead Dredge Removal - Sri Lanka



Crane removal after devastating Haiti Earthquake



Explosion onboard loaded tanker carrying methanol in Malaysian Waters



## FIREFIGHTING RESPONSE

From its worldwide bases, T&T owns and operates over 50 dedicated fire pumps with capacities to 6,000 GPM (1,400m<sup>3</sup>/hour), ancillary firefighting gear and foam stockpiles. These portable assets can be easily and quickly mobilized by air to the far corners of the globe, meaning no situation is beyond T&T's geographic reach. Our trained personnel are highly experienced in marine firefighting and related fields.



## PUMPING, EMERGENCY LIGHTERING & SHIP TO SHIP TRANSFERS

T&T salvage masters are well versed in all phases of Ship to Ship pumping and lightering operations. T&T has systems available to handle any pumping requirements, including portable pumping stations, hydraulic submersibles, jet pumps, portable inert gas generators, portable nitrogen generators, fendering systems and hot and cold tapping systems. These systems can be packaged in fly-away containers that can be loaded on a plane in minutes. As in all of its operations, T&T is totally committed to the safety, health and welfare of its team, its customers and the environment when it comes to pumping, emergency lightering and Ship to Ship Transfers.

Ship to Ship Transfer of chemical tanker grounded on a reef - Caribbean



# DIVING & SUBSEA SERVICES

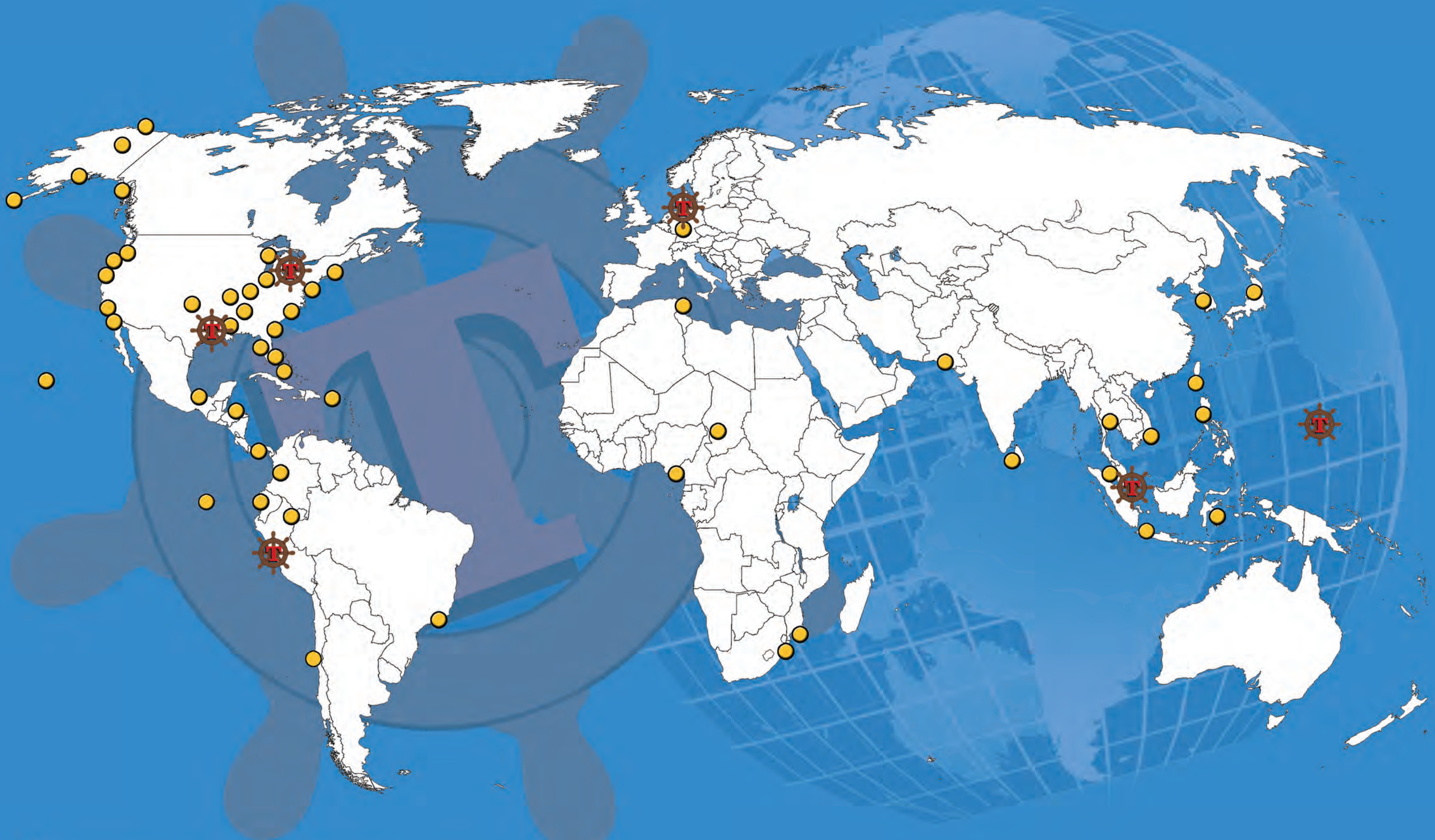
Using its experienced team of divers, T&T is committed to conducting the safest and most responsible diving operations throughout the globe. T&T has become synonymous with safety, service and reliability. Our diving services are not just limited to supporting worldwide salvage and wreck removal operations. Other services include in-water class surveys, underwater welding repairs, NDT, hull cleaning, propeller polishing, sea chest cleanings, thruster installations as well as anchor recoveries. These services are approved by all major international classification societies. Our subsea services portfolio is further enhanced by our fleet of state of the art remotely-operated vehicles (ROV) stationed in the US and Singapore. These compact fly-away units provide a cost-effective fast response survey and observation capability in support of both emergency and non-emergency underwater services. T&T is able to provide these added-value underwater services to shipowners and rig operators around the clock and around the world.

Haz-Mat diving on sunken Sulfuric Acid Barge





# T&T - WORLDWIDE COVERAGE



OPERATIONAL OFFICES



RESPONSE LOCATIONS

# HEAVY LIFT

T&T has a long history of providing heavy lift services to meet our customers specific needs. From single derrick lifts to multiple derrick lifts, no task is too great for our professionals. T&T is at home working in the busiest ports in the nation and we work to ensure every task is performed safely and efficiently to meet the tight schedules our customers face every day.

T&T personnel are kept current on all training programs including OSHA, ASME, ANSI, API and NCCCO training. Our equipment is maintained to the highest standards by our in-house mechanics guaranteeing minimal job interruptions due to mechanical failures.

Our reputation of quality service and on-time deliveries are second to none. T&T has been vetted by Oil & Gas Majors prior to performing lifts and have earned excellent ratings on every occasion. Safety is always top priority, our philosophy is simple and straightforward: Every task is Unique – Nothing is Routine! Total Stop Work Authority! No Failures to Communicate! No Shortcuts!

T&T's Derrick Barge "BIG-T" setting legs on a Mobile Offshore Drilling Unit



# HAZMAT & POLLUTION RESPONSE

T&T has a great respect for the sanctity of the environment and the fragile marine ecosystems in which the company works. T&T is a classified US Coast Guard Oil Spill Removal Organization (OSRO) with operational bases throughout the world. T&T has completed worldwide pollution control services that include underwater bunker/cargo removal, lightering operations and spill response. T&T has a proven track record of responding quickly and effectively to both marine and land-based pollution mishaps. T&T offers worldwide pollution control services that include oil spill recovery and cleanup, hazardous material response and disposal, AMPD coverage, remediation, and sales of equipment and sorbents. Available equipment includes skimming vessels, fly-away skimming systems, response vessels, containment booms, vacuum units, hot tap systems, decanters and sorbents. T&T's owned skimming capacity exceeds 285,000 barrels per day. T&T, along with our partner, Braveheart Marine, has also developed a system for detecting oil in the water column, on the seafloor and up to 7 meters below the seafloor..



Offshore crude oil spill skimming operations and in-situ slop processing offshore in the U.S. Gulf.

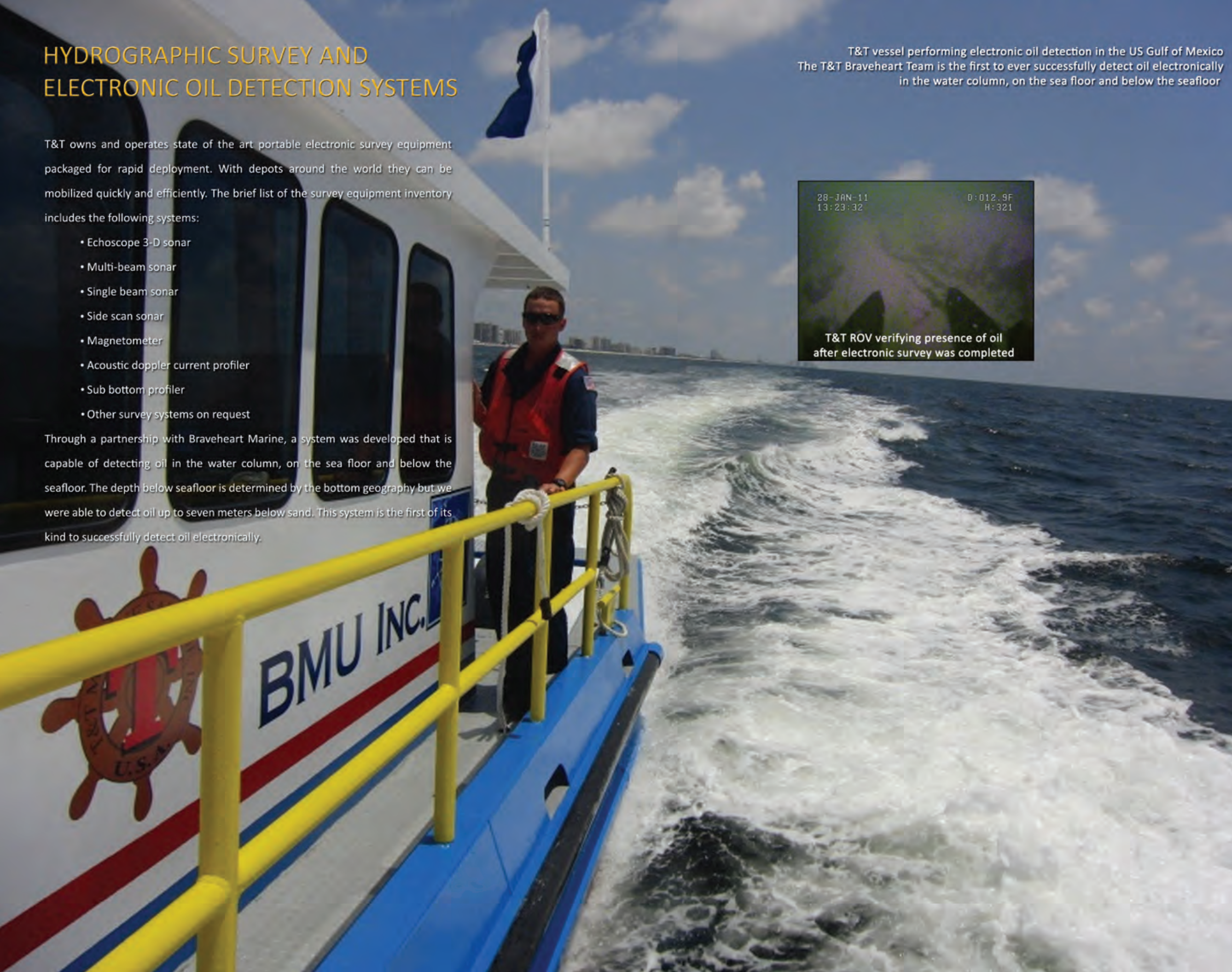


# HYDROGRAPHIC SURVEY AND ELECTRONIC OIL DETECTION SYSTEMS

T&T owns and operates state of the art portable electronic survey equipment packaged for rapid deployment. With depots around the world they can be mobilized quickly and efficiently. The brief list of the survey equipment inventory includes the following systems:

- Echoscope 3-D sonar
- Multi-beam sonar
- Single beam sonar
- Side scan sonar
- Magnetometer
- Acoustic doppler current profiler
- Sub bottom profiler
- Other survey systems on request

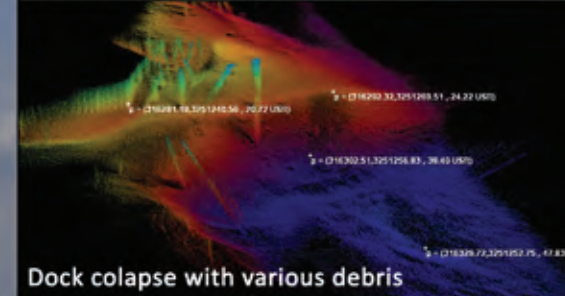
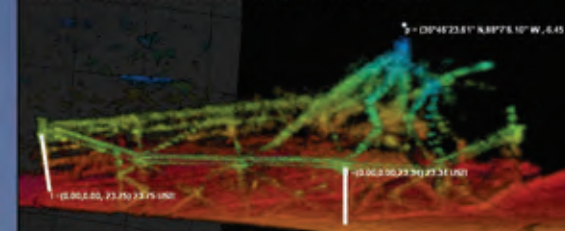
Through a partnership with Braveheart Marine, a system was developed that is capable of detecting oil in the water column, on the sea floor and below the seafloor. The depth below seafloor is determined by the bottom geography but we were able to detect oil up to seven meters below sand. This system is the first of its kind to successfully detect oil electronically.



T&T vessel performing electronic oil detection in the US Gulf of Mexico  
The T&T Braveheart Team is the first to ever successfully detect oil electronically in the water column, on the sea floor and below the seafloor



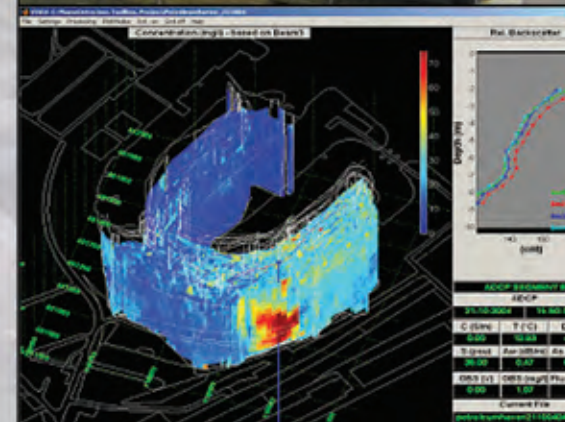
Submerged bridge section with measurements taken off the screen



Dock collapse with various debris



T&T designed and built portable submerged oil recovery vessel



## LAUNCH SERVICE

T&T Offshore operates a launch service out of Galveston, Texas servicing the shipping and oil and gas industry. The T&T facility is conveniently located for quick, easy access to the Gulf of Mexico. The facility is open around the clock to accept deliveries and has a warehouse for dry storage of cargo.

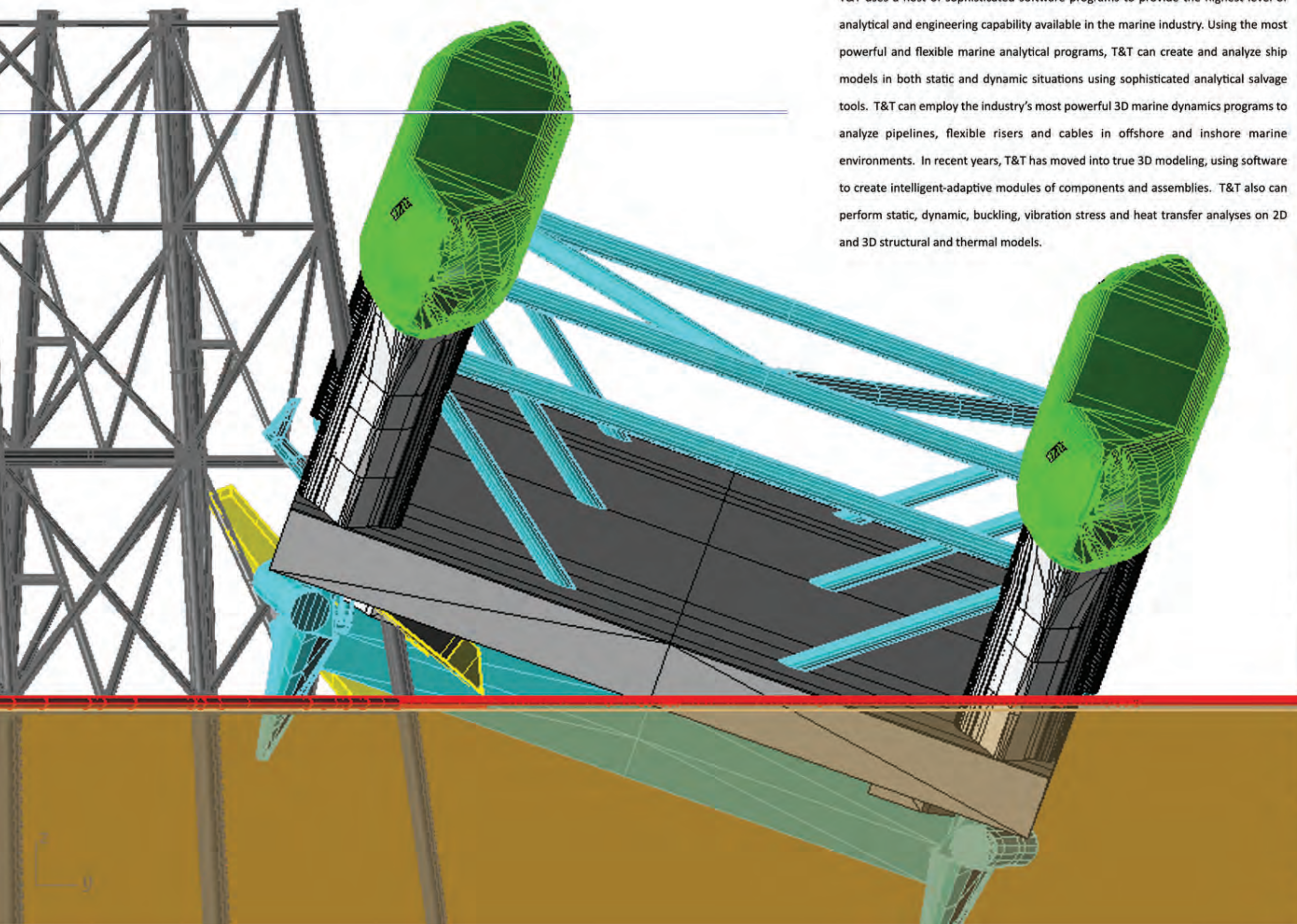
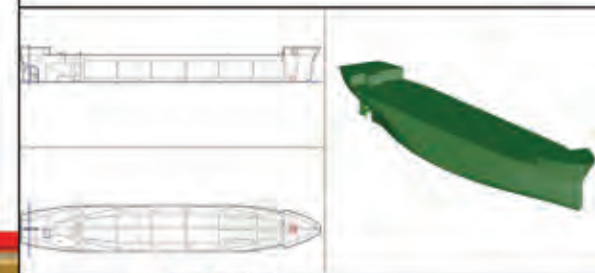
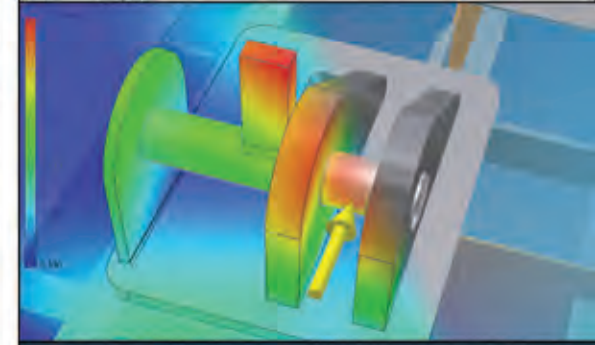
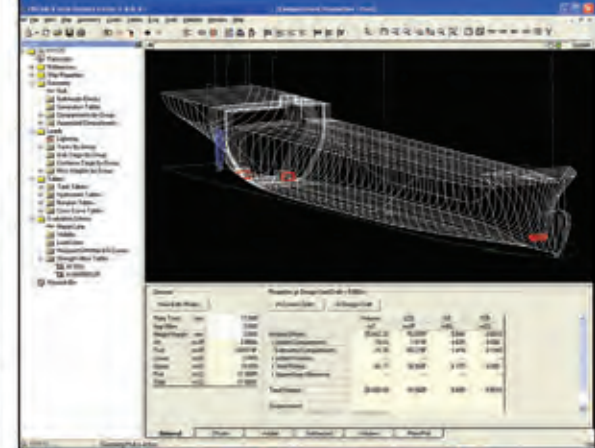
Our launch vessels are designed to carry up to 56 passengers, supplies and equipment. T&T Offshore has been operating since 2001 and has carried more than 30,000 passengers accident free. Redundant onboard systems help insure the safety of our passengers, crew and cargo.

All T&T vessels are crewed to operate around the clock. As with all of our vessels and equipment, our in-house service technicians maintain all T&T assets to the highest standards to maximize reliability and minimize downtime.



## ENGINEERING SERVICES

T&T uses a host of sophisticated software programs to provide the highest level of analytical and engineering capability available in the marine industry. Using the most powerful and flexible marine analytical programs, T&T can create and analyze ship models in both static and dynamic situations using sophisticated analytical salvage tools. T&T can employ the industry's most powerful 3D marine dynamics programs to analyze pipelines, flexible risers and cables in offshore and inshore marine environments. In recent years, T&T has moved into true 3D modeling, using software to create intelligent-adaptive modules of components and assemblies. T&T also can perform static, dynamic, buckling, vibration stress and heat transfer analyses on 2D and 3D structural and thermal models.



# RAPID RESPONSE DEPLOYMENT

From its worldwide bases, T&T operates one of the most extensive emergency response equipment inventories available. T&T owns and maintains rapid response firefighting systems, inert gas generators, nitrogen generators, Ship to Ship pumping and lightering systems, pulling systems and diving systems. The equipment is packaged so it can be transported by air, land or sea and easily mobilized to the far corners of the globe on a moment's notice.





## T&T SALVAGE - 60% MARKET SHARE OPA 90 SMFF PROVIDER

Since February 22, 2011, all tank vessels operating in U.S. waters must list in their USCG approved Vessel Response Plans (VRP) a Salvage and Firefighting (SMFF) contractor capable of meeting the regulatory requirements. Two key components of this newly implemented regulation include:

- Contract for SMFF services must include a funding agreement to ensure there is no delay in response due to contract negotiations. T&T Salvage's contract and funding agreement has been reviewed and accepted by the U.S. Coast Guard, the International Group of P&I Clubs and Hull Underwriters.
- The vessel owner must include a vessel specific pre-fire plan (PFP) which must be approved by the SMFF provider and submitted to the USCG. T&T Salvage offers the most streamlined process available to assist plan holders in the preparation process and certification of vessel PFPs at no additional cost.



Following intense vetting by shipowners, vessel managers, and the USCG, T&T Salvage was selected as Salvage and Marine Firefighting provider by 60% of the OPA 90 Market including major international top tier operators such as A.P. Moller, Chevron, BP, SeaRiver, Conoco-Phillips, Kirby, Marathon, OSG, Vela, Mitsui OSK Lines, Anglo-Eastern, Wallem, American Eagle Tankers and Columbia Shipmanagement. All Non-Tank vessels, defined as any non-oil cargo carrying vessel in excess of 400 gross tons, will be subject to similar requirement in due course resulting in a standardized response protocol for all vessel emergencies in U.S. waters.

As the salvage company with the largest and most comprehensive inventory of equipment and response personnel resources in the United States, T&T Salvage is totally committed to assisting shipowners in meeting OPA 90 Salvage and Marine Firefighting regulations in ALL of the U.S. Coast Guard COTP Zones, including Puerto Rico, Guam and Alaska. T&T Salvage specialized and state of the art salvage and firefighting assets will continue to be deployed and pre-staged around key U.S. ports in order to provide owners with the best response possible to any Salvage and Firefighting incident.

The T&T Salvage team possesses extensive experience in incident management and participation in major drill and exercises, including Harbor of Safe Refuge, Rogue Vessels, Marine Firefighting and Multiple Salvage Operations. T&T Salvage personnel have the expertise and experience to work closely with the Vessel Owner, Qualified Individual, P&I Club and Hull Underwriters in coordinating these exercises.

Whether you operate tankers or non-tankers, T&T Salvage has a comprehensive SMFF compliance solution to suit your needs. To enroll your vessels with T&T Salvage please contact our Vessel Response Services team at [vesselresponse@ttsalvage.com](mailto:vesselresponse@ttsalvage.com)

## HOW TO ENSURE YOUR SALVAGE AND MARINE FIREFIGHTING CONTRACTOR IS ADEQUATE

According to the 33 CFR §155.4050 FEDERAL REGISTER of the United States, SALVAGE & MARINE FIREFIGHTING CONTRACTORS must meet 15 criteria in order to qualify as an OPA 90 responder:

1. Resource provider is currently providing the service needed.
2. Resource provider has documented history of participation in successful salvage and or marine firefighting operations, including equipment deployed.
3. Resource provider owns or has contracts for equipment needed to perform response services.
4. Resource provider has personnel with documented training certification and degree experience (naval architecture, fire sciences, etc).
5. Resource provider has 24-hour availability of personnel and equipment and history of response times compatible with the time requirements in the regulation.
6. Resource provider has on-going continuous training program. For marine firefighting they must meet the NFPA standards or show equivalent training or experience.
7. Resource provider has successful record of participation in drills and exercises.
8. Resource provider has salvage or marine firefighting plans used and approved during real incidents.
9. Resource provider has membership in relevant national and international organizations.
10. Resource provider has insurance that covers the salvage and/or marine firefighting services that they intend to provide.
11. Resource provider has sufficient up-front capital to support an operation.
12. Resource provider has equipment and experience to work in the specific regional geographic environments(s) the vessels operate in (depth, turbidity, current, bottom type, temperature, zero visibility diving).
13. Resource provider has the logistical and transportation support capability required to sustain operations for extended periods of time.
14. Resource provider has the capability to implement engineering, administrative and personal protective controls to safeguard workers.
15. Resource provider has familiarity with the salvage and firefighting protocol contained in the local Area Contingency Plans.



**T&T SALVAGE MEETS ALL OPA 90 REQUIREMENTS  
AND IS YOUR SINGLE SOURCE FOR COMPLIANCE**



# T&T IS A "ONE CALL" SOURCE TO MEET ANY CHALLENGE, ANYWHERE, ANYTIME

**T&T MARINE**  
**24 HOUR EMERGENCY NUMBER**  
**+ 1 409-744-1222**

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