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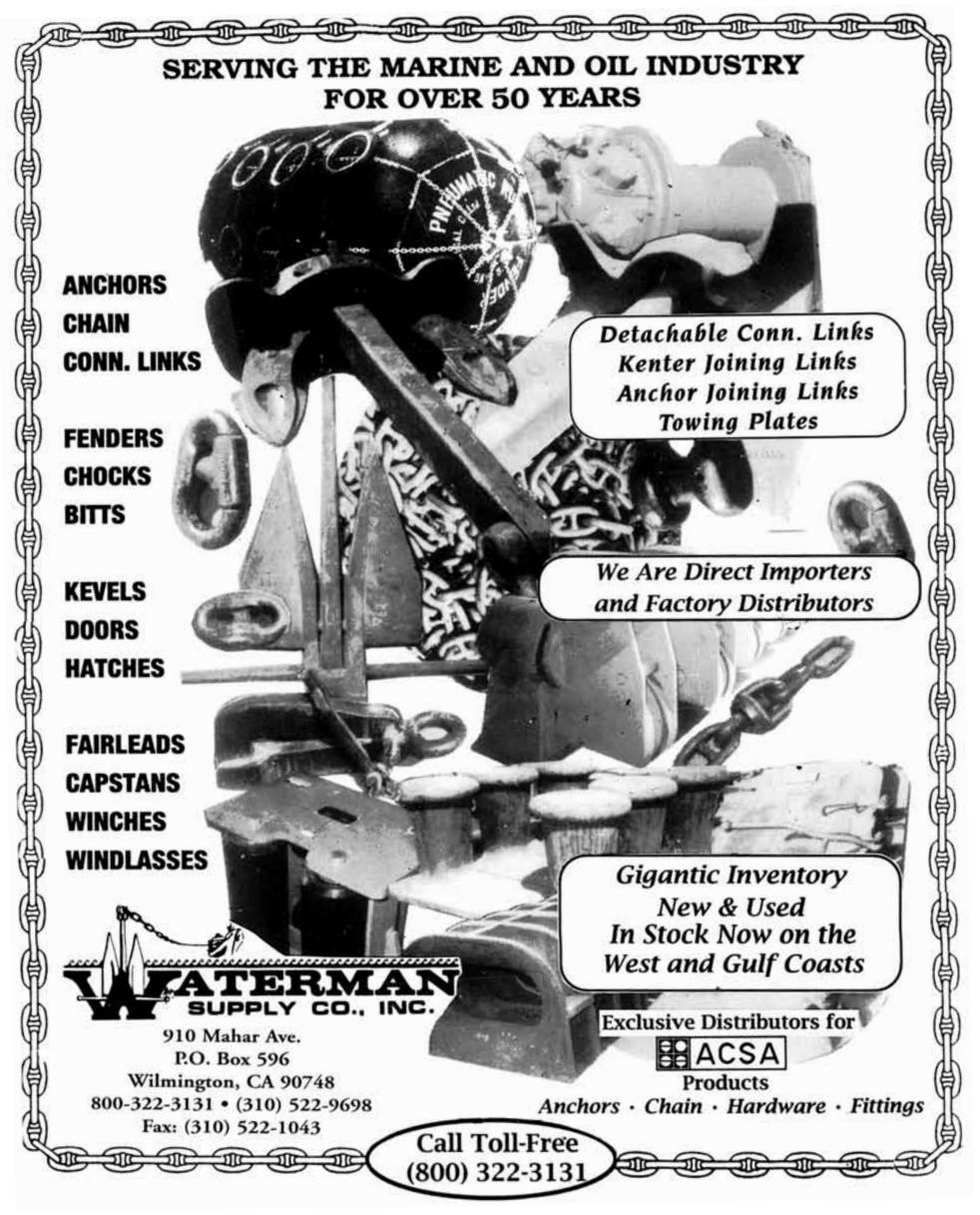
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# MarineNews November 2005 • No. 11 • Vol. 14

On the Cover: The view of Venice, Louisiana after Katrina from atop the Big T, T&T Marine's 600-ton floating crane. (Photo: Don Sutherland.)

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# MarineNews

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Publisher John C. O'Malley • jomalley@marinelink.com

Associate Publisher Greg Trauthwein • trauthwein@marinelink.com

**Managing Editor** Jennifer Rabulan • rabulan@marinelink.com

> **Contributing Editors** Larry Pearson • Don Sutherland

**Production Manager/Graphic Designer** John Guzman • guzman@marinelink.com

Asst. Production Manager Irina Tabakina • tabakina@marinelink.com

**Classified Ad Sales** Dale Barnett • barnett@marinelink.com

**Sales Administration Manger** Tina Veselov • veselov@marinelink.com

Manager, Accounting Services Esther Rothenberger • rothenberger@marinelink.com

> Manager, Public Relations Mark O'Malley • momalley@marinelink.com

**Marketing Coordinator** Jocelyn Pearring • pearring@marinelink.com

> Circulation mncirc@marinelink.com

Manager, Information Technology Vladimir Bibik • bibik@marinelink.com

**Senior Vice President, Sales** Rob Howard • howard@marinelink.com - Tel: 561-732-4368; Fax: 561-732-6984

Senior Vice President, Sales Brett W. Keil • bkeil@marinelink.com - Tel: 561-732-1185; Fax: 561-732-6984

> Vice President of Sales Lucia Annunziata • annunziata@marinelink.com

**Managing Director, International Sales** Tony Stein • stein@marinelink.com 12 Braehead, Bo'ness, W. Lothian EH51 OBZ Scotland - Tel: +44-1506-822240; Fax: +44-1506-828085

Vice President, International Operations Charles E. Keil • ckeil@marinelink.com - Tel: 561-732-0312; Fax: 561-732-8063

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# **NEWS**

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# **Boston Pilots Takes New Boats**



The Boston Pilots has taken delivery of two Chesapeake class pilot boats from Gladding-Hearn Shipbuilding, Duclos Corporation. The shipyard's new class of launches has also been built for the Delaware, Virginia, Maryland, New Orleans, Tampa Bay, and Portland, Maine pilots.

Designed by C. Raymond Hunt Associates in Boston, the all-aluminum launches measure 52.6 ft. overall, with a 17-ft. beam and 4.8 ft. draft, and top out at 25 knots. Named Mystic and Chelsea, the boats are powered by twin Lugger 6140AL2 diesel engines, each delivering 600 Bhp at 2,100 rpm, with Twin Disc MG5114A gear-boxes. The engines turn two five-blade Hall & Stavert NiBrAl propellers.

Each launch is equipped with a 12 kW Northern Lights generator.

Safety equipment includes heated handrails and decks to prevent ice build-up in the winter, and wide side-decks. At the transom are a throttle and steering controls and a winch-operated U-frame over a recessed platform for pilot rescue operations.

Each wheelhouse and forecastle is outfitted with Stidd reclining seats, finished galley, and enclosed head. The forecastles' berthing areas are isolated from the noise and traffic of the galley and head, with noise levels below 77 dba, and include heating and air-conditioning.

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we're a standalone company with our own dedicated manufacturing facility for commercial Whalers. In addition, we're responsible for commercial applications for the entire Brunswick Boat Group - the world's leading powerboat manufacturer - providing access to a wide variety of hulls up to 100 feet in length. We offer models in mission-specific configurations, plus an extensive range of cost-effective, offthe-shelf options. And our complete custom capabilities can provide for specialized requirements. Contact us. Because more than ever, we're built for one specific mission: yours.



28' INTRUDER

WHALER

# NEWS

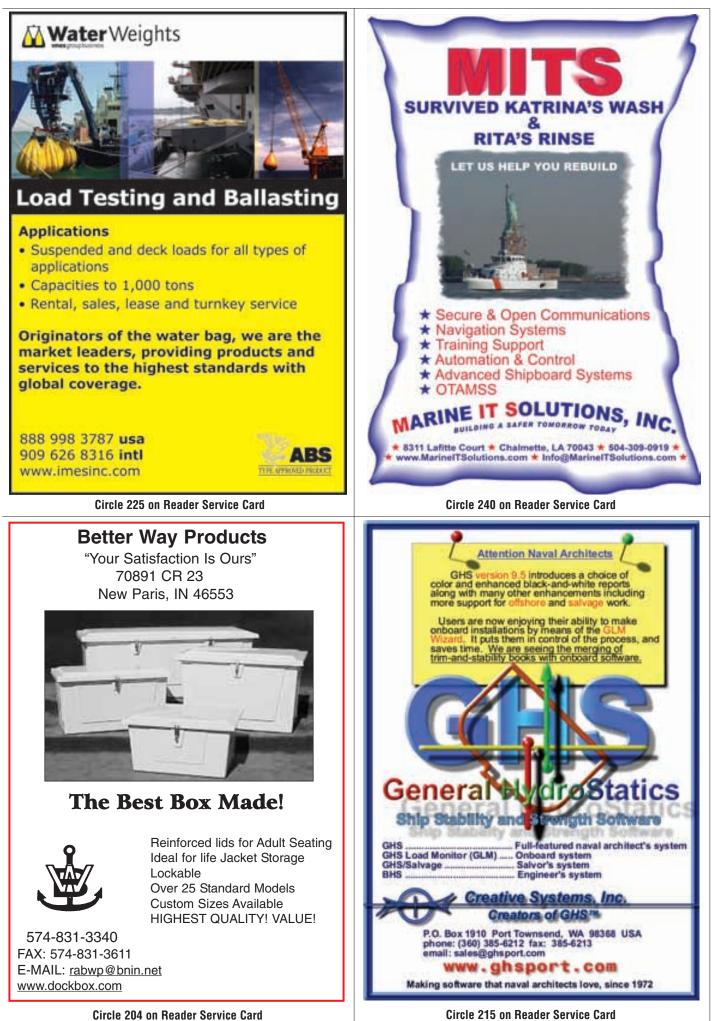
# Bisso Launches New Hull

Bisso Towboat Co. launched the hull of the 4300 hp reverse Z-drive ship-assist tug Alma on October 7 at Maine Iron

# Works in Houma, La.

The tug will measure 100 ft. x 38 ft. x 13 ft. and will be powered by a pair of EMD 16-645E6 main engines, each producing 2,150 hp at 900 rpm, driving

Ulstein-Aquamaster US2001 Z-drives. The Z-drives will feature 2,300 mm diameter stainless steel propellers inside stainless steel Kort Nozzles and will produce an estimated bollard pull of 59 tons.





Load out of the main propulsion equipment and auxiliary equipment has already begun. The outfitting of the vessel with final delivery is expected in January or February of 2006.

The Alma S. will join Bisso's fleet of 11 ship-assist tugs on the Mississippi River servicing the large bulk carriers and tankers which call in the river. The addition of the Alma S. will make Bisso the only Mississippi River ship-assist company to have multiple Z-drive tractor tugs servicing ships in the area.

**Circle 15 on Reader Service Card** 

# Mission Marine Delivers Patrol Catamaran



Mission Marine, Ltd. delivered its Mission 29-ft. 338 Pilot House Model to Monroe County Sheriff Marine Patrol in August located to Monroe County, NY.

The aluminum catamaran will be used in a variety of missions including search and rescue, patrol, homeland security, drug intervention, and escorting the high speed ferry owned by the City of Rochester, and to assist the Coast Guard and Border Patrol. The Mission Marine vessel complements their fleet for rough water missions on Lake Ontario.

The vessel is powered by twin 2006 Mercury Verados. Mission Marine provided a one-day training seminar, both classroom and on-water instruction, to the Monroe County Marine Patrol officers. The boat will based on the Genesee River at the Marine Patrol Headquarters.

# USCG Gets New Cutter

The Coast Guard Cutter Manatee officially entered the Coast Guard fleet during a commissioning ceremony held October 14. Congressman Ruben Hino-



josa (D-TX) was the Keynote speaker. Captain Kevin Marshall, Chief of Staff of the Coast Guard 8th District, was the commissioning official. The Manatee has a 10-person crew and is commanded by Senior Chief John N. Brady, a 20-year veteran of the Coast Guard. He is coming to the Manatee from his previous command as officer in charge of Station St. Inigoes, Md. The cutter was built by Bollinger Shipyards in Lockport, La., and was delivered to the crew in August. The crew conducted training for two months while deployed in Southern Louisiana to prepare the new cutter for service.

# provide better access for inspections and **Reliability.** NORTHERN LIGHTS **Durability.** Northern Lights has provided Simplicity. efficient power generation in the commercial marine industry for over four decades. For reliability, durability and simplicity the choice is clear: Northern Lights generator sets. M1066H Northern Lights Lugger

# **Canal Corporation** Awards Contract

New York State Canal Corporation announced that the contract for a new hydraulic cutter-head dredge has been awarded to Ellicott Dredges of Baltimore, Md.

The acquisition of the new dredge is a part of the Canal Corporation's ongoing effort to upgrade its fleet and increase its dredging capacity, while complying with environmental regulations.

The new dredge will be stationed in Utica, NY and will replace a 1927 DeLaVergne. The new dredge will have double the horsepower of existing dredge, which is aimed to provide less down-time for repairs and maintenance. Delivery is scheduled for May 24, 2006. The newest dredge in the Canal Corporation's fleet is currently a 1980 Ellicott based in Waterford. NY.

With that exception, the remainder of the existing fleet is comprised of dredges of the 1920s or 1930s vintage. The Canal Corporation will continue to pursue upgrades of its dredging fleet. Plans are underway for a hydraulic off-loader in the fall of 2006. This equipment would allow dredge spoil to be pumped as slurry into hopper barges, which would then be transported to disposal sites and pumped upland hydraulically. Unlike other inland waterways throughout the country, maintenance responsibility for the canal system falls on the State of New York, rather than the U.S. Army Corps of Engineers. Part of the Canal System, from Waterford to Oswego, is a federally improved project, through maintenance of the channel is not federally funded. The project depth for the federally improved portion of the waterway is 14 ft. (13 ft. over sills) and 12 ft. elsewhere. The Canal Corporation estimates a backlog of more than10 million cubic yards of sediment which requires removal in order to restore the Canal channels to those depths.

# **Contract to Modify Ferry Design**

Verreault Navigation Inc. of Les Méchins, Ouebec, won a \$4.8 million contract to modify and enhance some of the design elements of the ferry M/V Madeleine operated by CTMA Traversier

Ltée. between Cap-aux-Meules, in the maintenance. This work is expected to Iles-de-la-Madeleine, Quebec, and Souris, Prince Edward Island.

The Madeleine will be equipped with a new stern and modified to expand the loading deck, allowing the ferry to carry more cargo and dock more easily, and prolong the life of the ferry by 10 to 15 years. Verreault Navigation Inc. will undertake these modifications between February and March 2006.

These changes to the Madeleine will allow the ferry to comply with requirements developed by Transport Canada to



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# NEWS

further enhance the safety of all passenger ferries in Canada. These standards require passenger ferries to have more sophisticated stability features in case of accidental damage to the hull. They are based on international requirements established under the Safety of Life at Sea convention.

The standards complement Transport Canada's existing framework for passenger ferries, including stringent requirements for design and construction, navigation, crew training, and firefighting and lifesaving equipment.

The Madeleine is owned by Transport Canada, which is responsible for capital investments and major repairs. The ferry service between Cap-aux-Meules and Souris has been operated by CTMA Traversier Ltée.

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# FDNY Awards Fireboat Contract

Robert Allan Ltd. won a contract by the Fire Department of New York for the design and construction administration of a new fireboat. The new vessel will replace the aging Fire Fighter.

The contract for design and construction administration was bid internationally and awarded to Robert Allan Ltd. The new vessel will be approximately 130 ft. long, have a service speed of 17.5 knots, and a total pumping capacity of 36,000 gpm. The vessel is expected to be put to tender at shipyards late in the second quarter of 2006.

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# New Distributor for lveco

Iveco of North America, Inc., announced the signing of an agreement with Motor-Services Hugo Stamp Inc. (MSHS) for the distribution of Iveco's diesel engines and parts for Florida, Mexico and the U.S. Virgin Islands.

MSHS specializes in marine diesel engine sales and service. As a direct distributor of Iveco of North America, MSHS will offer engines for marine applications as they enter the North American marketplace. Iveco engines' wide range of horsepower, 84 hp to 2365 hp, allows MSHS to offer their customers

\* Prices May Vary Depending

on "CPL" Number

a full range of marine engines while also having a strong presence in both the pleasure craft and commercial markets.

# Trinity to Christen Superyachts

Trinity Yachts of Gulfport & New Orleans will christen superyachts Zoom Zoom Zoom and Lady Florence at Fisher Island, Fla. Trinity Yachts, LLC announced that they will Christen their two recent deliveries of M/Y Zoom Zoom Zoom with the exterior design by Geoff van Aller and M/Y Lady Florence at the Shawhasta International Danderwoon

Showboats International Rendezvous located on Fisher Island, Fla., this November.

# AB Inflatables Upgrades Selected Oceanus Models

Selected Oceanus Models from AB Inflatables have received upgrades. On Oceanus VST models 11 through 15, AB has molded a new fiberglass step into the bow to allow easy boarding from the front. A new stainless bow rail has also been added that provides a secure hand-

\* Trunk Style 1 Piece Piston



hold for passengers entering or leaving the boat. The rail is split in the middle to make boarding easy and give the driver a clear view forward. The coated railing that surrounded the center console before has now been replaced with an attractive, strong stainless steel unit.

Originally designed to handle heavy seas on the Mediterranean Sea, specific Oceanus models are currently used in commercial service, including professional towing organizations. The manufacturer says the boat's ratio of length-to-interior space-to-tube diameter allows Oceanus models to cut the waves cleanly. Nonsubmerged tubes and an extra-deep V-hull minimize friction with the water. The new upgrades will be available on remaining Oceanus models in 2006.

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1160	\$745	4B,4BT,4BTA,3.9	\$445	2-53	\$265	6V71X	\$942**
1693	\$1,875	6B,6BT,6BTA,5.9	\$557	3-53	\$375	6V92N/T	\$1,177
3204	\$495	6C,6CT,6CTA,8.3	\$1,345	4-53	\$524	8.2NA	\$877
3208 (2R)	\$705	L10	\$1,175	6V53	\$775*	8.2T	\$887
3208 (3R)	\$775	N14	\$1,275	6V53X	\$1,094**	8V71	\$1,069*
3304	\$675	N14 Dual-Ni	\$1,375	8V53	\$1,040*	8V71X	\$1,375**
3306	\$988	N743	\$1,065	8V53X	\$1,455**	8V92N/T	\$1,486
3406	\$1,445	855 Prem	\$725	2-71	\$310	12V71	\$1,493*
3408	\$2,075	855 Prem +	\$775	3-71	\$412*	12V71X	\$1,875**
3412	\$3,025	855 Dual-Ni	\$845	3-71X	\$512**	12V92N/T	\$2,365
D342	\$2429*	VT378	\$659	4-71	\$498*	12V149	\$10,345
D379	\$3,182*	VT504	\$925	4-71X	\$646**	16V71	\$1,965*
D398	\$4,627*	VT555	\$1,075	6-71	\$795*	16V71X	\$2,742**
D399	\$6,519*	VT903	\$1,525	6-71X	\$885**	16V92N/T	\$3,122
G379	\$3,394*	KT/KTA19	\$2,420*	6V71	\$795*	16V149	\$12,985
G398	\$5,361*	KT/KTA38	\$5,220*				
G399	\$6,936*	KT/KTA60	\$7,450*				
		VTA1710	\$3,975 TO \$4,975*				

\* These Kits Do Not Include Main Bearings or Oil Pan Gaskets\*







\*\*X Head 2 Piece Piston

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# Bilge Water Sensor Aids in Missions

The Coast Guard's fleet of 47MLBs known for first response rescue resource in high seas, surf and heavy weather environments, are able to operate under severe conditions. The boats have the ability to self-bail, including the ability to roll 360 degrees and right themselves in eight seconds or less.



Inside the pilothouse, crewmembers are firmly secured to their seats in case of a roll-over. But in the unlikely event the boat might not right itself quickly, there is always the danger that the pilothouse can flood- trapping the crewmembers inside.

To provide emergency egress under these extreme conditions, each 47MLB has a Water Witch model 23-12 High Water Sensor installed on the ceiling of the pilothouse. Normally used to activate a bilge pump, the sensor is configured to send a signal that will blow out the pilothouse's windows, providing the crew with a quick escape route. Water Witch sensors were selected because they were able to be activated after detecting water for three seconds, avoiding false triggering. The sensors have no moving parts and are impervious to all substances and debris often found in a bilge.

**Circle 11 on Reader Service Card** 

# AMEREX Unveils Foam Extinguisher

AMEREX Corporation, a manufacturer of commercial and industrial fire extinguishers, following R&D, has unveiled the new 2.5Gallon, Model 250CG AFFF Foam Fire Extinguisher, with the 810CG Bracket, that has been granted USCG approval as a Type A Size II and Type B Size II, when installed using the 810CG Bracket. It carries a UL rating of 3A:20B

This fire extinguisher is suitable for (Class A) ordinary combustibles, and (Class B) flammable liquid fires. It has the unique capability as an application to flammable liquid spills to prevent ignition. It has exceptional fire knockdown and penetrating ability, for use on deep seated Class A fires, and easier cleanup than the traditional Dry Chemical agents.

The Fire Extinguisher is painted red, and utilizes a Chrome plated Brass Valve Body, with a stainless steel shell, which all offer superior corrosion resistance in the Marine environment.

They are described in 46CFR Table

95.50-15, as allowable in areas that include, communicating corridors, galleys, paint and lamp rooms, baggage, mail, and specie rooms, storerooms, carpenter shop, boiler rooms, machinery spaces, and certain auxiliary spaces. These Fire Extinguishers as defined in 46CFR 95.50-5(c) and 95.50-10 can be located in several different locations on board vessels, because they carry an A rating as well.



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# NEWS

# Bollinger Delivers Double Barge Hull

Bollinger Gretna of Harvey, La., has delivered GCS 238, an OPA 90 double hull, ocean service, oil tank barge to Gellatly & Criscione Services of Point Pleasant, NJ. The vessel was delivered at Bollinger's Gretna facility in July of 2005. Bollinger Marine Fabricators, Amelia, La., fabricated panels for the new 300-ft. by 64-ft. by 21-ft., 35,000 BBL barge and shipped them to Bollinger Gretna, Harvey, La. for installation of piping and other systems and final assembly. The ocean service barge features equipment for bunkering services and is designed to carry Grade A oil and lower petroleum products subdivided into ten tanks, complying with OPA'90 requirements. Two Byron Jackson cargo pumps are driven by individual John Deere 6125A engines. The barge is outfitted with 20 tank-cleaning hatches with raised coaming. An F25-65 TECHCRANE pedestal crane with 65ft boom sits center line for hose handling operations. GCS 238 is American Bureau of Shipping (ABS) class certificate +A1 Oil Tank Barge, ABS load line certificate - unmanned ocean service & manned special services, and U.S. Coast Guard subchapter D approved.

# Trinity Yachts Move to New Production Facility

Trinity Yachts has moved one nearly completed yacht and four of their partially built yachts over to their new production facility in Gulfport, Miss. These yachts were towed through the Intracoastal waterways that are strewn with sunken or damaged fishing and pleasure boats left over from Hurricane Katrina.

The modern shipyard has over 392,040 sq. ft. of covered building area situated on approximately 50 acres. This new facility combined with the existing 435,600 sq. ft. of covered buildings on 38 acres at the New Orleans yard, which will be retained as their Repair and Refit shipyard, provides Trinity Yachts with a large capacity to create up to 8-10 megayachts annually for the yachting industry and the capability to build up to 400 ft. in length. The Gulfport main construction building has a height of 90 ft. allowing Trinity to build five deck yachts.

# Jeppesen Marine Announces New Appointments

Jeppesen's marine business unit announced new leadership appointments.

Michael Neal has assumed the position of director, marine business development. Neal will be responsible for business development activities across all Jeppesen Marine market segments, including the commercial marine segment. Responsibilities also include longterm strategy development, new product research, mergers, acquisitions and more.

John Horner is new to the Jeppesen team and brings with him over 30 years of experience in all facets of international blue water shipping operations. Horner is responsible for the blue water business programs within the commercial marine market. Horner holds a BS degree from United States Merchant Marine Academy, an MBA from Pepperdine University and an International Negotiations Diploma from Harvard University. Horner has also served as an officer in the U.S. Coast Guard and holds an unlimited professional mariners license.

Kelly Cottingham has joined Jeppesen as the marketing manager - commercial inland waterways and will lead the commercial marine brown water market development initiatives. Cottingham brings to the position over 20 years experience in technology/manufacturingbased global product management, market development, sales and marketing. He will focus on bringing to the commercial marine market electronic navigation solutions tailored to commercial inland waterways.

# Busch Promoted to VP of Titan

Todd Busch has been promoted to vice president of Titan, Crowley's newly acquired salvage company which will be a part of the company's Marine Services segment. He will continue to report to John Douglass, Crowley's senior vice president and general manager of Marine Services.

Busch will relocate from Crowley's Long Beach, Calif. office to Titan's Fort Lauderdale, Fla. headquarters. He has been with Crowley for 17 years, and has held management roles in contract towing

and transportation and emergency response. In 2002, Busch was awarded the Thomas Crowley Trophy, Crowley's highest honor.

Busch



Todd Busch, Titan VP

widely credited with helping to secure several high-profile towing contracts, including those involving the historic battleships USS Missouri, USS New Jersey and USS Iowa, as well as the aircraft carrier USS Oriskany. He also helped secure a role for Crowley as a contractor for the U.S. Navy's 2001 Ehime Maru recovery and relocation operation in Hawaii.

is

Busch joined Crowley as seaman and since that time served aboard company tugs as a chief mate. He came ashore in 1994 as a dispatcher; and has held a variety of other positions with increasing responsibility. He has been responsible for the company's marine services contract business, overseeing pricing and the negotiating of contracts, as well as the commercial activities for Crowley's emergency services, and the U.S. Navy salvage contract.

Busch also serves as a director, representing Crowley on the board of the Marine Response Alliance LLC. Prior to joining Crowley, Busch sailed with the Southwest Alaska Pilots Association.



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# **COMPANY PROFILE**

**Gladding-Hearn:** 

# **A Visionary History**

YESTERDAY: Delivered in 1955 and built completely of steel, the North Star was a technological frontrunner.

# By Jennifer Rabulan

NORTH STAR

When asked to put Gladding Hearn's 50-year existence in perspective, George Duclos, Chairman and CEO of Gladding-Hearn Shipbuilding, Duclos Corporation offered an indirect, yet instrumental metaphor.

It's a pipe lead-in for anchor chain through a ship's bow, Duclos said.

In this instance, the importance of a hawse pipe lends dual significance: A vessel's anchor and its components can be considered among the most important elements of safety equipment on board; and as Gladding Hearn celebrates its 50-year history, the company has anchored its position in the commercial maritime industry, with 356 vessels as proof.

After leaving an established shipyard, naval architect Preston Gladding and accountant Richard Hearn, founded Gladding-Hearn and made an entrance onto the shipbuilding scene in 1955. At 22, George Duclos made an investment and joined the shipbuilding firm whose mantra remains, even 50 years later, that vision is the foundation of success.

That vision came into fruition on

December 7, 1955 with the delivery of the first vessel, a 48-ft. trawler, North Star. Built completely of steel, North Star brought innovation to the forefront for its time.

"No one at that time was doing anything in steel," Duclos said.

The North Star, still in commission in Maine, is a precursor to the Gladding-Hearn vessels to follow.

Gladding-Hearn started out with an initial crew of six shipbuilders, whose main strength was custom designed steel and aluminum commercial vessels. The yard's workmanship garnered a reputation for innovative design and quality construction of steel and aluminum pilot boats.

# **Pilot Boats**

Somerset, Mass.-based Gladding Hearn is synonymous with pilot boats, having built 58 pilot boats since 1955. Built to withstand extreme conditions, pilot boats are designed to be agile and durable, purpose-built boats.

Although most pilot boats of this era



were constructed of wood, Gladding-Hearn's Brandywine class launched a new series of boats whose design was geared for multiple functions. The Brandywine class was developed with a more seamless fendering system in mind, as the boats' rubber fenders made steel construction a viable alternative to wood. This design provided increased speed, as well as safety for piloting and durability in the extreme weather conditions.

Meeting these factors were the "key issue to why the Brandywine class was formed and became successful," explained Duclos.

Gladding Hearn delivered the first 48ft. Brandywine pilot boat to the Pilots' Association for the Bay and River Delaware, with 24 more to follow.

As piloting transitioned to shore-based stations, the need for speed called for a design integration. In 1978, Gladding-Hearn teamed with design firm, C. Ray-mond Hunt Associates to develop a faster hull. C. Raymond Hunt, well known for its deep-V hull, designed boats with the ability to navigate rough seas at higher speed.

# **COMPANY PROFILE**

The launch of the 50-ft. Delaware which is touted as the first deep-V pilot boat hull, marked the inception of the Gladding-Hearn and C. Raymond Hunt Associates' collaboration.

# **A New Kind of Pilot**

Gladding-Hearn has introduced a new line of rigid bottom, soft-sided launches, called the Resilient class. The first of this class will be a 40-footer for the Charleston, S.C. pilots, whom Gladding-Hearn has been working with since 1968.

Available in lengths from 30 ft. to 70 ft., the Resilient Class is designed by C. Raymond Hunt Associates and features the latest developments in the deep-V hull design.

According to Peter Duclos, the new vessels are designed specifically for pilot boat service, and for patrol and escort service where high-speed boarding is a priority. "This is a new design of a pilot boarding boat, not a production patrol boat design that has been adapted for pilot boat service, which is common in our industry," Duclos said. "We are starting with a proven hull and adding the benefits of a large, buoyant collar to provide a very soft fendering system and additional stability at rest."

With a narrower bottom and fine entry forward and an oversized, lightweight collar, the launch will provide pilots with a softer ride when boarding ships, said Peter Duclos.

The first 40-footer will be delivered with a 28-in. diameter, fully inflatable urethane tube, manufactured by Wing Inflatables. Since the inflatable collar is not suited for every application, the new design can also accept an ionomer-foam collar, as well as Wing's hybrid, air-foampolyurethane collar.

To facilitate repairs, the eight-chamber, inflatable collar is attached to the hull in two sections with a lower bolt-rope and a flat, aluminum bar, clamped to the top of the tube at the edge of the deck. Half-inch thick fenders are laminated to the tubes' outside surfaces to increase puncture resistance. An onboard, compressed-air system enables the operator to inflate the tube sections from the console in the event the over-pressure release valve opens during a very hard landing.

The development of this design is a step towards improving future pilot boats, Duclos said. "It's been a challenge, yet a tribute to what a RIB should be."

# **Duclos Corp.**

In 1982, Gladding and Hearn sought retirement after 250 vessels. In 1984, George, along with his wife Pauline, bought all the stock and became the sole owners and established the Duclos Corportation. The stock, which has since been divided among their four children, remains a family-run company thriving under the same Gladding-Hearn name, and adding the Duclos Corporation. George and Pauline's two sons, John and Peter, oversee the design, operations and business development and share the title as president. Pauline and daughter, Carol Hegarty, handle fiscal responsibilities. In 1987, Gladding-Hearn became a U.S. licensee of Incat Designs. Since becoming a builder of the high speed catamaran passenger ferries, the company's annual production has more than quadrupled.



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# **COMPANY PROFILE**



1957 launching of tug Dave White.



The Woods Hole Oceanographic Institution's (WHOI) 60-ft. coastal research vessel (CRV) Tioga. Photo Credit: Tom Kleindinst of WHOI

"With Incat's successful designs, we created a market, along with Nichols on the west coast, for fast ferry catamaran construction in the U.S."

Like other Gladding-Hearn vessels, the cat employs a combination of the yard's craftsmanship and technology. By using pulse-arc welding, the yard can create a light, fast ship and meet various classification standards.

Though it's known for its pilot boats, the company has evolved its product line over the years to remain competitive. Gladding-Hearn has built and designed numerous specialized vessels, such as fire

boats, tug boats, fast ferries, catamarans. Among the specialized vessels, the yard has built a number of research vessels, including one for Old Dominion University and one for the University of New Hampshire. One of the more recent launches was the Woods Hole Oceanographic Institution's (WHOI) new 60-ft. coastal research vessel (CRV) Tioga which was christened in March 2004. The Falmouth, Mass.-based WHOI, a private, independent marine research and engineering, and higher education organization turned to Gladding-Hearn when in need of a research vessel to transport sci-



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entists, engineers and students into the ocean. It was designed to support diving operations and all disciplines engaged in coastal research. This vessel is a lengthened version of the Fay Slover, operated by Old Dominion University, and is the third in the series of vessels that are becoming a standard for general inshore and coastal investigations. Construction of the coastal vessel began in April 2003 and was designed by Roger Long Marine Architecture, Inc. of Maine. It can operate within a narrow weather window, as little as four hours, for distances up to 350 miles, which would enable it to reach New York harbor and the Gulf of Maine.

After delivering a new passenger catamaran for New York Water Taxi in June. Gladding-Hearn Shipbuilding delivered its Incat-designed sistership, the Sam Holmes, in September for shuttle service on New York Harbor. The bright yellow, all-aluminum 72-ft. water taxi is USCGcertified to carry 149 passengers but is limited to only 100 passengers when operating at New York City water taxi docks.

As Gladding-Hearn celebrates a half century in business, the shipbuilder marks another milestone with the acquisition of the \$9.5 Steamship Authority contract to build the newest fast ferry- hull number 357- to replace the Flying Cloud. The new ferry, scheduled to enter service in 2007, will seat 350 passengers powered by four engines. The shipyard has built several similar ferries, including Hy-Line Cruises' Grey Ladies. The construction process, slated to begin this fall, should take 15 months to complete.

# Longevity

Duclos attributed several factors to Gladding-Hearn's longevity in the industry. Duclos, like the shipyard, has garnered many accolades throughout his career. In 2000, Duclos received an honorary degree Ph.D. from the Massachusetts Maritime Academy for his lifetime achievements and dedication; and in 2002, he was honored as SBA's person of the year, where he was invited to Washington, D.C. for National Small Business Week.

With the construction of a diverse portfolio of vessels, the shipyard holds pride in its customer service. When one of the New York Water Taxis required a slight repair, Gladding-Hearn was literally on hand. The shipyard flew its experienced crew, on site to New York, to facilitate repairs and ensure that the vessel received the attention it needed.

Gladding-Hearn's top priority is its current construction, which will include the Steamship Authority Ferry, as well as work on developing new customers.

"Our success is our reputation, and we've worked hard for it" Duclos said. "We've been here for 50 years and we hope to be here another 50."



After delivering a new passenger catamaran for New York Water Taxi in June, Gladding-Hearn Shipbuilding delivered its Incat-designed sistership, the Sam Holmes, in September for shuttle service on New York Harbor.

(Photo Credit: Don Sutherland)

# LEGAL BEAT

# **Comply with Visa Requirements to Work Offshore — or Else**

# By Jonathan K. Waldron and Charles T. Blocksidge

All vessels operating and conducting activities on the United States Outer Continental Shelf ("OCS") are required to be U.S. crewed subject to certain exemptions. Foreign crewmen operating under these exemptions are required to obtain a special visa called an B-1 (OCS) visa. While this requirement has been in effect since the 1970s, enforcement of the B-1 (OCS) visa requirement took on new meaning following the events of September 11, 2001 and the implementation of enhanced security measures.

Knowledge of the exemption and visa requirements is particularly critical due to the flurry of clean-up and repair activities following Hurricanes Katrina and Rita in the Gulf of Mexico. Vessel owners and operators have generally been familiar with the manning citizenship requirements, however, the process of applying for and securing the appropriate visa for the vessel's crew is of heightened interest to the Customs and Border Protection officials since 9/11. The following is a brief overview of the exemption request and visa application process. It is critical that the application process start early to ensure offshore operations are not adversely affected.

# Background

Through the Outer Continental Shelf Lands Act and its amendments, Title 43 of the United States Code, sections 1331 - 1356, Congress announced that the United States Constitution and laws and civil and political jurisdiction of the United States are extended to the subsoil and seabed of the OCS and to all artificial islands, and all installations and other devices permanently or temporarily attached to the seabed. To this end, vessels conducting operations on the OCS must be documented under the laws of the United States and manned or crewed by citizens of the United States or aliens lawfully admitted to the United States for permanent residence.

If a vessel and its crew do not meet this U.S. manning requirement, then the vessel owner or operator must apply for a manning citizenship exemption. To be granted the exemption, the applicant must be able to prove that citizens of a foreign nation have the absolute right to effectively control the vessel or that ownership of the vessel is over fifty percent foreign. Vessels intending to conduct operations on the OCS generally fall into two categories: (1) U.S.-flag vessels with a U.S. crew and other foreign citizens needed to perform emergency or specialist work on a temporary basis, or (2) a foreign-flag vessel with a foreign crew.

Historically, foreign individuals working on vessels on the OCS were able to work on vessels conducting OCS operations with a crewmember / transit visa (C1 / D visa) due to limited enforcement of the B-1 (OCS) visa requirement. This visa was issued for persons desiring to enter the United States to join a vessel and/or serving as a crewmember on a vessel making a routine port call in the United States. Due to the increased security interests after 9/11 in monitoring individuals that enter the United States, persons engaged in OCS activities must now possess a B-1 (OCS) visa or they will not be allowed ashore in the United States.

# **Exemption Process**

The application process to receive a citizenship exemption to use a foreign crew can be very time consuming. The application package is submitted to the Chief of the Coast Guard's Division of Foreign and Offshore Compliance. The application must, among other things, contain the following information or the package will be deemed incomplete and therefore delay the approval process.

- Project Scope
- Personnel
- Vessel information

• Contracts, subcontracts and/or bareboat charter agreements that affect ownership or control

• Parent company public trading and registration documents

• Public trading and registration documents for all companies in the chain of ownership

• Affidavits identifying/certifying ownership, control, and nationality of shareholders and directors.

Approval can often take 60 or more days depending on the complexity of a particular case. Following approval, the vessel owner can begin the process of obtaining B-1 (OCS) visas for their crew. Exemption requests to supplement a U.S. crew with additional individuals to provide specialist or technical skills (i.e. persons considered in addition to the "regular complement" of the vessel) must be sent to the local Coast Guard office for a determination.

# Visa Process

Once an exemption package is approved, the Coast Guard issues a letter of exemption for the vessel. Based on this letter, a B-1 (OCS) visa may be issued for the purpose specified in the exemption letter. The amount of time it takes to be issued a B-1 (OCS) visa depends largely on the consulate through which the application is being processed. In addition to the exemption letter, the applicant for the visa must provide the following:

# Payment of a Non-Refundable Application Fee

• A completed visa application form DS-156 and DS-157 (when applicable)

• A passport valid for travel to the United States and with a validity date at least six months beyond the applicant's intended period of stay in the United States

• One passport size photo (not digital, taken within the last six months)

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• A comprehensive letter, or contract from the employer on the employer's letterhead (original) identifying the crew member and describing in detail the nature and function of the crew member's position

In order to avoid potential breach of contract actions and other operational delays, foreign vessel owners and operators should plan accordingly to submit manning citizenship exemptions requests in a timely manner since processing and approval normally takes between 60 and 90 days. To this end, it is strongly encouraged that U.S. counsel be sought as the exemption request process involves a detailed understanding of the vessel owner's corporate organization, the vessel's operational capabilities, and most importantly the legal framework which is used to analyze a request. Legal counsel should also be used to ensure that B-1 (OCS) visas are applied for and obtained for foreign crew members. Failure to secure not only the citizenship exemption, but also the proper B-1 (OCS) visas for a vessel's crew can result in fines, penalties, lengthy operational delays and personnel issues such as refusal to allow crewmembers ashore, meet a vessel, or deportation.

Jonathan K. Waldron is a partner and chair of the Maritime, International Trade, and Public Contracts practice at Blank Rome LLP, where he specializes in maritime, international and environmental law. He can be contacted at (202) 772-9964 or waldron@BlankRome.com.

Charles T. Blocksidge is an associate in

Blank Rome LLP's Maritime, International Trade and Procurement Practice Group is a former naval officer and focuses on maritime, environmental and regulatory issues. He can be contacted at (202) 772-5834 or blocksidge@BlankRome.com. For more information about Blank Rome LLP visit www.BlankRome.com

# **ACL IPO Details**

American Commercial Lines Inc. announced the pricing of its initial public offering of its shares of common stock at a price of \$21 per share. Of the shares sold in the offering, 7,500,000 shares were offered by ACL and 750,000 shares were offered by a selling stockholder. In addition, the underwriters have been granted an option to purchase up to an additional 1,237,500 shares from the selling stockholder within the next 30 days at the public offering price. ACL will not receive any proceeds from the sale of shares by the selling stockholder. ACL shares began trading on the NASDAQ National Market on October 7 under the trading symbol ACLI

Merrill Lynch & Co. and UBS Investment Bank acted as joint bookrunners for this offering. Credit Suisse First Boston and Deutsche Bank Securities acted as comanagers.

# Chevron Invests in Deepwater GOM

Chevron Corporation is proceeding with the development of the Blind Faith Field in the deepwater Gulf of Mexico. The field will be developed using a semi submersible production facility, with first production expected during the first half of 2008. Chevron is the operator and holds a 62.5 percent working interest.

Blind Faith is located in approximately 7,000 ft. of water, about 160 miles southeast of New Orleans, on Mississippi Canyon blocks 695 and 696. The discovery well was drilled in June 2001 and encountered more than 200 ft. of net pay in Miocene sands at depths of 20,900 ft. to 24,300 ft. A successful appraisal well was drilled in 2004. The field has an estimated gross resource potential exceeding 100 million barrels of oil-equivalent.

Total capital costs for the project will be approximately \$900 million. Chevron's partner in the Blind Faith project is Kerr-McGee Corp., which holds a 37.5 percent interest.

Initial production is expected to be approximately 30,000 barrels of oil per day (b/d) and 30 million cubic ft. of gas per day (mmcf/d). The semi submersible facility will have a production capacity of approximately 45,000 b/d and 45 mmcf/d. The topsides can be upgraded to a capacity of 60,000 b/d and 150 mmcf/d to accommodate production from satellite discoveries or third-party tiebacks.

# Transocean Wins Contracts for Rigs

The Transocean Leader, a fourth-generation, deepwater semi-submersible rig, won a one-year contract from Statoil ASA for exploration and development drilling operations offshore Norway. The Transocean Leader is expected to commence the contract by September 2007, in direct continuation of the rig's current contract, also with Statoil in Norway. Expected revenues are approximately \$133 million.

Additionally, Oil and Natural Gas Corporation Ltd. (ONGC) of India awarded the ultra-deepwater drillship Discoverer Seven Seas a three-year contract for drilling operations offshore India. The drillship is expected to complete its current three-year contract with ONGC by February 2007 and commence the new contract by the end of May 2007, following an estimated 90-day planned shipyard program. Revenues of approximately \$345 million could be generated over the three-year contract period, excluding revenues for comprehensive services that include well planning, operations support and logistics management.

The estimated contract revenues for each rig are exclusive of revenues for mobilization, demobilization and client reimbursables.

# Port Channel Deepening Project

The U.S. Army Corps of Engineers issued a supplemental notice of intent regarding changes and additional considerations to be made to the Supplemental Environmental Impact Statement for the Port of Los Angeles channel deepening project. The project involves deepening the Inner Harbor Channels to accommodate the most modern vessels in the commercial container fleet. Comments should be submitted by November 21.



# **NOAA Supports Hazmat Challenges From Hurricanes**

Hurricanes Katrina and Rita have passed, but NOAA's Office of Response and Restoration will be on the scene for a year or more responding to the challenges faced in cleaning up the hazardous chemical and oil spills generated by the storms' destructive powers.

"In terms of over-all impact, these two hurricanes have created the largest incidents to which NOAA has ever responded," notes David Kennedy, director of NOAA's Office of Response and Restoration.

As a consequence of Katrina and Rita over a thousand pollution reports have been received along the coastal waters of Alabama, Mississippi and Louisiana. This includes five designated as major (spills greater than 100,000 gallons) and five classified as medium (spills between 10,000 and 50,000 gallons). Prioritizing oil spills in the region is vital. It is likely that the long-term affects to the heavily populated Gulf Coast will be tremendous.

NOAA, along with the EPA, U.S. Army Corp of Engineers, and the U.S. Coast Guard, has been working, since the passage of the hurricanes, to assist in coordinating response and restoration efforts by positioning NOAA-trained "Scientific Support Teams" in each of the joint federal-state agency command posts established in Alexandria and Baton Rouge Louisiana, Mobile, Alabama, Austin and Houston, Texas.

The NOAA teams, including staff from NOAA's Office of Coast Survey and the National Geodetic Service, provide a broad range of scientific and technical expertise and data. This information has been useful to the U.S. Coast Guard in making determinations of where and when to open navigational passageways to both emergency and commercial traffic.

Even before Katrina hit land NOAA employees were preparing for its effects. NOAA's Scientific Support Coordinators provided critical infrastructure assessments, discussed possible points of impact, and began pre-storm staging of critical personnel in the region.

In addition to personnel expertise, NOAA has been applying the latest technology in assisting officials making critical determinations on when responders



(Photo Credit: Don Sutherland)

can enter potentially dangerous areas. Through coordinated use of remote sensing and aerial photography,

NOAA field teams have been able to produce maps of flooded areas as well as situation maps of pollution incidents and salvage operations.

One of the innovative technologies being applied is combining LIDAR (air-

borne laser used to measure topography) and satellite imagery to create maps of flooding in New Orleans. NOAA is assisting in tracking the progress in removing water from the flooded areas, as well as identifying location of contaminant spills and condition of critical energy industry infrastructure through various mapping techniques.



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Circle 235 on Reader Service Card November, 2005 • MarineNews • 17 NOAA is conducting a systematic review of the petroleum facilities from the Galveston area on the west to as far east as Pensacola, Florida. Nearly 25 percent of the nation's oil and gas resources come from the region. NOAA's scientific support teams will be advising the U.S. Coast Guard on ways to control and clean-up spills throughout the region, and ensuring that additional damage to the environment does not occur during the clean-up.

Among the other challenges facing responders is how to deal with numerous sunken or grounded vessels which may be carrying potential pollutants. Priority will be given to salvage efforts dealing with those posing the greatest pollution and navigational threats.

NOAA efforts reflect a federal response aimed at restoring the economic lifeline of the region. A NOAA-sponsored National Ocean Economics Program study, using 2003 Bureau of Labor statistics, shows that in the states of Louisiana, Mississippi and Alabama 59 percent of the employment in the natural resource and mining sector, which includes oil and gas production, comes from the 80 counties most severely impacted by the storm.

"The NOAA commitment to the region will be long-lasting," notes William Conner, chief of NOAA's Hazardous Materials Response Division. "We have people in the impact zone and around the country working seven days a week to support and evaluate hazardous material spills." Once spills are identified, prioritized and clean-up begins, NOAA's second response component begins as NOAA's Damage Assessment and Restoration Program (DARP), created after the

1989 Exxon Valdez oil spill, begins its work.

The program provides permanent expertise within NOAA to assess and restore natural resources injured by oil and hazardous substance releases as well as physical impacts, such as ship groundings.

DARP brings a multidisciplinary team of biologists, economists, attorneys, and policy analysts to work with other designated federal and state co-trustees to assess and quantify injuries; develop and evaluate restoration alternatives, and implement restoration projects.

"The scope of the damage in the area is enormous," says Pat Montanio, Chief of NOAA's

Damage Assessment Center. "NOAA and its fellow trustees will need to assess both the short term and long terms impacts to the sensitive ecosystems along this valuable coastline. As that process moves forward we will make the determinations necessary, with both state and public input and guidance, on how best to proceed in restoring this environment with projects that will benefit both their communities and the natural resources of the region."

# Tug Sinks in Hood Canal

The Coast Guard and Washington Department of Ecology are jointly coordinating the response to a fuel sheen located near Port Gamble, Wash. Coast Guard and Ecology experts tracked the spill by helicopter to assess the situation. The 140ft. tugboat Magic sank near the entrance to Port Gamble and is the apparent source of the spill. The Coast Guard has opened the Oil Spill Liability Trust Fund to enable clean-up efforts to begin without delay. Contractors are placing boom at pre-identified sensitive areas along northern Hood Canal. Oil has come ashore along the Port Gamble town waterfront and Ecology shoreline assessment teams are surveying the impacts. Teams also are following up on reports of shoreline affected on the east side of the harbor.

The sheen of oil that spread into Hood Canal is unrecoverable and is expected to evaporate. Some oil floating near the town may be recoverable and local crews have deployed boom in that area.

# Coast Guard Buys Underwater Port Security Robots

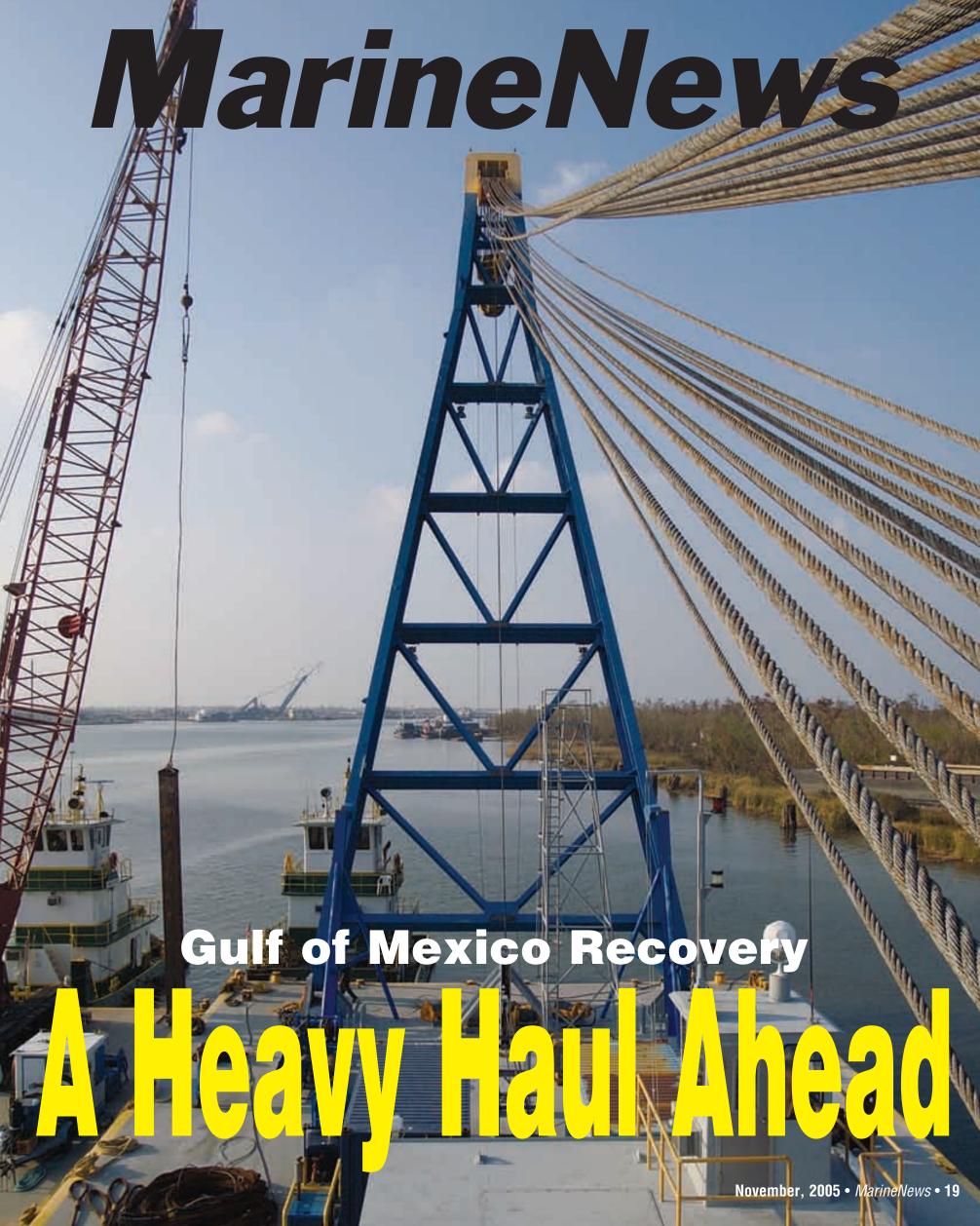
VideoRay has been awarded a Blanket Purchase Agreement (BPA) by the United States Coast Guard (USCG) in conjunction with its recent General Services Administration (GSA) Schedule award. The agreement expires in September, 2010, and involved a VideoRay Port Security configuration that has been deployed in nine Maritime Safety and Security Team (MSST) locations over the last two years. The BPA allows for advantageous pricing based on the quantity of units purchased.

With the BPA the USCG placed its first task order, which involves the remaining MSST units and the first Port Security Unit (PSU) deployment. The task order includes training and maintenance services with each system and at the completion of this task order all MSST units will be equipped with VideoRay systems.

# Bollinger Shipyards Names VP

Bollinger Shipyards, Inc., has named Chris Bollinger as executive vice president of new construction division, according to Donald "Boysie" Bollinger, Chairman and CEO of the Lockport, La. headquartered shipbuilding and repair company. Bollinger has been employed at Bollinger Shipyards, Inc. since 1993 and has held numerous managerial and leadership positions. He will continue his role on Bollinger Shipyard's Board of Directors as well as serving as President of Bollinger/Incat USA (B/I), Bollinger High Speed Vessels (BHSV) and Chand, which are divisions of Bollinger Shipyards, Inc.





# Bent, Not Broken

Towboat Payton and barge not far from the France Road containerport in New Orleans. The Industrial Canal is on the other side of the mound of stones. (Photo: Don Sutherland.)

# By Don Sutherland

Houses were in the water, and boats were on the land. They were up on the levees, out on the highways, deep in the woods — towboats, barges, shrimpers, sometimes behind tall trees too thick to bend. How, in the name of Mother Nature, did they get in there? How would they get out? How would they *all* get out?

It was a spectacle for the first few minutes as the helicopter sped past, with rooftops poking through waters and motorboats, upside down, drifting through onetime back yards. But as the helicopter continued south, the spectacle became more like a sideshow, something to gawk at — a battered church here, a pile of school buses there, cars that might have been new weeks before — up to the sills and higher. The panorama was unbroken, continuous, contiguous, blending waters here blue, there brown, some smeared in dark rainbow hues, punctuated by flotsam pressed against the stands of trees, the shoulders of highways.

The helicopter sped over the littered, still landscape for twenty minutes, thirty, after a short stop at New Orleans for fuel. "Who had the big idea of putting headquarters in Alexandria?" said Rudy Teichman, the founder of T&T Marine Salvage of Galveston, Texas. He had parts to deliver, a small box for something aboard the Big-T, the company's 600-ton crane barge that arrived in position a few days before. The drive by car would have been four hours or more -- from Alexandria, to Lafayette, to Baton Rouge, to New Orleans, to Belle Chasse, to Venice where the crane was — if the roads were open. Information was still spotty that 18th of September, within three weeks of Katrina's hit, but it was a safe bet there were closures east and south of Baton Rouge. The helicopter sped past bits and pieces, the roof of a house on one side of a bridge, a wall with a doorway on another, ongoing for forty minutes, fifty.

The spectacle and the sideshow became a dull thud, a repetitive redrawing of endings. A dream here, a career there, a future, the things people keep in cabinets and drawers, loves, lives.

Port Sulphur, Buras, they were down there somewhere, or at least the memory of them was. They were part of the territory in Katrina's eye when she came ashore. Near Empire was the icon of the storm for southern Louisiana, two large yellow boats, 160-footers, high and dry with their keels on the divider of La. 23. Nearby lay a stack four or six deep, of shrimpers of all sizes, outriggers broken and tangled. Everywhere, in ones and twos, a quarter or half mile inland from the Mississippi, lay the large steel shrimpers, some standing upright, some on their sides.

"You think this is bad?" said Teichman. "Wait till you see Empire. We can't fit the Big-T through on the Mississippi side, so we'll have to come in from the Gulf side, past the bays and bayous. That's the long way around. I'd hate to get stuck in there during hurricane season."

Mr. Teichman and the pilot, in for the duration from Alaska, discussed places to land at Venice. A small open patch along a short channel looked like it would work, across from an enormous crane barge — Southern Hercules was the name on the stern -- with half to three-quarters of its length driven up on the shore. At on the opposite shore was the Big-T and its entourage of tugs and small workboats. The Boomer T, all foredeck and fenders, sped Mr. Teichman and the box of parts to the Big-T. Updates were exchanged, a few instructions given, then the helicopter rose for the return to Alexandria before the sun disappeared.

It was early in a salvage operation of exceptional scale, but some of its patterns were already clear. Nothing would be easy. Nothing would be quick. There was much to learn.



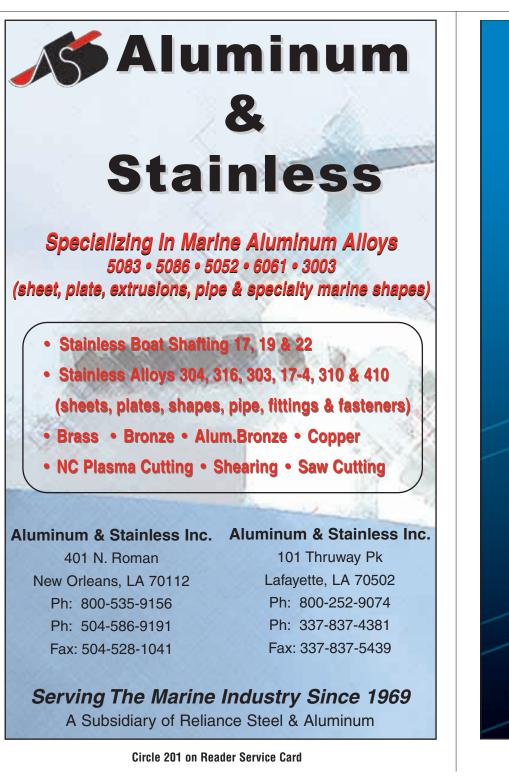


# peake 1000 after more than a week pinned by Ophelia. Here they're in Venice, set-ting-up for a barge lift next morning. (Photo: Don Sutherland.)

# The Big Picture

Whosever idea it was, Alexandria had its attractions from a logistical point of view. Foremost, perhaps, was the airport - a regional setup in scope, but accustomed to midsize commercial jets and, unlike New Orleans, mostly intact. "We'd like to welcome and thank the relief workers who've joined us," came the voice from the cockpit in a flight out of Atlanta, although there was only one white vest with a red cross aboard, "emergency relief" printed beneath.

Alexandria was far enough north for the worst of the storm to miss, most of the locals describing a hosing and high winds. But then came the flood of humanity from New Orleans and south, and active Coast Guard and reservists, and Navy personnel,





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and people from the Corps of Engineers and NOAA, and VPs and presidents of salvage operators working through the ASA (American Salvage Association). "The Louisiana Convention Center?" said an officer in an Alexandria P.D. prowler, "make a right on MacArthur, it's almost straight across from a motel, used to be a Day's Inn, don't know what they call it now ... "

Including its access or frontage roads, MacArthur Drive is an eight-lane thoroughfare, with US. 71 and US 165 combined for a link to I-95, thence I-10, the road to New Orleans and beyond places like Gulfport, Stennis and Pascagoula in Mississippi, and points south in Alabama. Considering the range of destruction, Alexandria among towns unscarred must have seemed centrally

located.

The buildings on both sides of MacArthur are low like most along suburban byways, malls and fast-food stops, and perhaps the area's greatest concentration of hotels and motels - all of them packed, dirty according to residents including Coast Guard personnel whose own homes had been lost, trashed by civilian transients according to managers, but with roofs overhead and clean linens. Within short range of the lodgings was the equally squat convention center. It was no Hynes or Javits or Moscone, or even Morial, but its offices had doors that could close-in on briefings, its exhibition floor had a broad open expanse where tables and chairs, computers and charts, formed offices of sorts where people from each service could mix and confer.

"It's the first time so many different agencies have come under one roof," said Capt. Jim Wilkins, Supervisor of Salvage and Diving for the U.S. Navy's Sea Systems Command, "military and industry together. But each has a jurisdiction and responsibility. Sometimes they might overlap, there sometimes could be gaps. They can coordinate here face to face."

Topping the agenda was the creation of an agenda -- building a list of priorities in the wake of "the most devastating hurricane to strike the United States," in the words of the Coast Guard. A national emergency was already underway and the object now was to avert a national crisis. The waterways of the region, the rivers and canals and ports, are the principal routes of domestic petroleum and seafood inbound, grain and coal outbound. The place to start, for national agencies, was the national well-being -- local regions' needs were also high on the agenda, but they would be next.

While many ports were damaged — or nearly obliterated, in the case of some between Belle Chasse and Venice - the main maritime arteries were in fairly good shape. The Intracoastal Canal and the Mississippi were relatively clear of wrecks and debris, and could quickly be opened to daylight navigation. Along most of the routes, the main task was to re-establish aids to navigation and get transit back to 24 x 7. "That we should have by the end of this week," said the Coast Guard's Master Chief David Coffman by Sept. 17. "We had to wait for searches and researches to be completed," with NOAA and the Army Corps ascer-



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taining where, perhaps, even a trailerable 55-footer might not wish to go. Besides maritime wrecks, there could be trees in the water, and pieces of bridges, and sometimes people. There were more than 900 navigational devices in the Gulf Intracoastal alone, Master Chief Coffman said, but the day before they'd worked 208. They were getting there.

"The thing we always try to impress upon folks," said Roger Parsons, Director, Office of Coast Survey, "is that our assets are deployed during non-emergencies, teams are pre-staged. We had 22 NOAA vessels ready to go, with fathometers and sidescan sonar to determine what's sunk in the water, or where it's silted-in." Said Howard Danley, Chief of the Navigation Services Division, "In Alexandria, we had two phone conversations daily, conducted with the Captain of the Port of New Orleans and all Federal players, to keep positive on what assets were available, what their capabilities were, what results of previous days were. I thought the coordination was outstanding."

It was the Industrial Canal, toward the east end of New Orleans, connecting the Intracoastal, the Mississippi, and Lake Pontchartrain, where immediate attention had been required. Katrina's storm surge had tossed massive structures around — towboats, barges, drydocks — like bathtub toys. Before bargeloads of rocks could be brought to the lake to patchup the levee, the way had to be cleared. Bisso Marine was near at hand.

With commercial navigation on the verge of recovery, attention in that third week was turning to local conditions -- things off the national highway, but requiring prompt attention. "We have two heavy lifters," said the Navy's Capt. Wilkins, "Donjon Marine, and they've subcontracted T&T.

Other ASA members have contracted privately for removing large barges from levees, raising the larger vessels and the like, and the smaller commercial and recreational vessels can be assisted by local sources."

The costs would be charged to the insurers, or to the otherwise responsible parties " the salvage operation will not come out of the taxpayer's pocket."



T&T crew helps preparations for a look at a hang-up underwater. Two divers were along fulltime at Venice. (Photo: Don Sutherland.)



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# Scope of Work

It would have been easy for those on the ground in southern Louisiana to think that some people didn't get it. Those would be the people outside -- the rest of the country, for starters, and, heaven help us, the ones in charge. To those on the ground it's an ongoing event, unfolding in real times without a script, up to the neck and rising, none of it invited. The people on the ground can't switch it off, or fly back north. The situation will still exist when the sun goes down, and when it comes up again.

The Coastal Gulf was indeed on the national stage, but it was Washington in the spotlight. The reflected glare could blind the eye to other issues of concern. What if it wasn't only the people in charge? What if bureaucracy can't handle a surge? Then how do you devise order?

The scandals at New Orleans made the headlines, while the conditions in Plaquemines Parish went mostly unreported. But within the Parish, the scandals were well-known, and were bound to set the expectations for what would come next. Parish officials had been contacted by individual salvors and Coast Guard representatives, but evidently the Big Picture as laid-out in Alexandria had not been communicated to them in detail. Having been overlooked by the media, some wondered how central their situation was in the eyes of those leading the recovery.

The experiment in Alexandria had every reason to succeed, as the people onsite were no theorists. All had been doing what they were doing now, except now they were doing it together. When fixingup damage is on your agenda, who do you call? No one more qualified than marine salvors. Theirs is a game of improvisation, to be played daily. The gents of the ASA, the ones with the big Yellow-Page listings, have the experience, and certainly the equipment, to improvise in behalf of the national agenda.

But time is relative. Three weeks? It's a blink of an eye in a recovering region, whose reconstruction will take months and years; but it's an eternity of wondering what's left of your home, your connections and future.

Benny Rousselle, in his second term as President of Plaquemines Parish, knew of no marine salvors as such that were based in Plaquemines Parish. But the Big Picture in Alexandria had supposed the use of local enterprise. That might include Kostmeyer Construction, then clearing the floodgate at Empire. By September 28, Timmy Couvillon for Kostmeyer thought he'd be raising boats in a week or so, after land-based contracts with KBR were fulfilled. Fort Jackson had to be pumped-out, as did a sports arena nearby, among others. Both national and local agendas had things ahead of local boats.

By October 5th, Coral Marine of Morgan City was ensconsed at Venice, lifting beached boats off the shore with a 200ton crane. The Big-T's capacity of 600 tons was assuredly the choice for larger steel shirimpers. In the case of a deck barge that had been carried upland, to leave a massive dent in a tank that was quite full, the extra reach of the Chesapeake 1000 was summoned. "Some of this stuff, when you start looking up the levees," said Coral Marine's Gary Martin, "all the way up to Empire, it could be Christmas or first of year before everything is done, and then you still have quite a few new things showing up all the time."

Crane barges need tugs, committed tugs in the case of long-term operations away from home. The New Orleans tug operators we contacted said they had their hands full with shipdocking work, with the demand pent-up after the storms. Tending Coral Marine's rig was the tug Vivian, bearing the insignia of Renis F. Cheramie of Cut Off, La.

T&T brought two pushboats, Brown Water I and Brown Water V, from Brownwater Marine of Rockport, TX. Also making itself useful in T&T's behalf was the George C., a triple-screw lugger tug from Cvitanovic Boat Service of New Orleans.

Against initial concerns that local con-



T&T's setup at Venice -- the 600-ton Big T, towboat Brown Water I, and lugger tug George C. Second crane and Brown Water V can be glimpsed at right. (Photo: Don Sutherland.)

tractors could be shut-out, Kostmeyer was by October 24 ready to start Week Two as a subcontractor to Donjon. "We've got 10 or 11 done — around two per day so far," said Mr. Couvion. "I expect it will leveloff at around 1.5 per day on average, but things are moving in the right direction."

The average in the improvisational game of salvage is sometimes tricky to predict or maintain, however, some of the large cases — an overturned shrimper floating dockside at the Venice marina, for example — presenting time-consuming surprises. An overturned shrimper could have outspread riggers, which might catch on something around the dock. T&T's diver, out to survey the matter, finds a leak in a fuel tank, something to patch in a hurry — and wait for the patch to harden. Everything is done with care and by the book, as attested by the focused attention and camera of Lt. Cmdr.Joseph DuFresne, P.E., marine inspector for the Coast

Guard, who lived with the T&T crew on a barge.

Less closely scrutinized were the conduits for funding the undertaking. "Where's the money?" was a question asked in many quarters besides Plaquemines Parish, but it was certainly being asked there, too.

"As of today, we have not received a dime," said Timmy Couvion on October 24, "except from the Parish itself. They say they need more details, they say it's coming, it's coming. We've duplicated our paperwork three different ways now. I'm having to order tons and tons of rigging and supplies for this next phase, and I'm on a COD basis with my suppliers, and we're in a real tight spot with funding. Everybody who's working for the government is not getting paid. I don't think anybody is trying to not pay us, it's a system problem. The system is messed up."

# The Shrimpboats are A-Coming?

Somehow, the news didn't get out for two days or more, but Rita hadn't completely left southern Louisiana alone. She punched massive breaks in the levees on the Gulf side of Plaquemines Parish, and the water route from the bayous was continuous across Rte. 23. The highway had boats sitting high and dry in some places, and now could have boats cruising by on the surface above. The depth varied with the elevation of the landscape, but at one point a Freightliner could be seen from an airboat, submerged up to the windshield

It's not clear how much the towns of Plaquemines Parish were damaged by the new flooding, as not much of many of them remained anyway. But from a logistical standpoint, any large undertaking will be encumbered if it cannot be accessed, and the pumps used for draining Fort Jackson further south needed fuel. So did pumps elsewhere. There was plenty of petroleum product around. But it was not in usable form as it coated some of the waters or the land after leaking from damaged tanks at refineries, or from boats piled in stacks for weeks. By mid-October, the Coast Guard would be involved in controlled burn-offs, setting fire to the rampant flammables as the means to dispose of them with the least environmental consequence.

Those pogy boats on Highway 23 were too far inland for floating cranes, and would stay where they were until something arrived overland. But Getty Oil, Conoco/Philips, Teco, Bass Enterprises, and Shell Oil are among organizations that have large facilities on the Plaquemines banks of the Mississippi, between miles 8 and 72, and their waterborne access as ports has its advantages. People can live on ships, a point to consider when



Benny Rousselle, President of Plaquemines Parish, hears concerns at a boat owners' meeting. Poster behind, by the Corps of Engineers, shows sixteen breaches in the Parish levees. (Photo: Don Sutherland.)



Little news of the plight of Plaquemines Parish got out, because reporters couldn't get in. Here, near the 50-mile marker on the Mississippi, a crew identifying themselves as Associated Press interviews Charles Bondi, representing the port authority, before he continued down Highway 23 in his airboat. (Photo: Don Sutherland.)



Citizens at the boat owners' meeting of October 5, pointing-out the familiar on an Army Corps aerial-view -- perhaps including their own boats. (Photo: Don Sutherland.)



USCG's Lt. Cmdr. Joseph DuFresne took-up residence with the T&T crew at Venice, where navigational and environmental well-being were two of the concerns. (Photo: Don Sutherland.)

most of the houses have been blown down. Some ships can be considered portable hotels. Thus it was that MARAD-owned vessels like the State of Maine and the Empire State, otherwise training vessels for the Maine Maritime Academy and SUNY Maritime respectively, became floating dormitories for repair crews, one at New Orleans and the other at the Conoco/Philips facility near Port Sulphur.

The benefits of water access and transportation are the reasons for all the facilities and communities in that region, from offshore in the Gulf to New Orleans and beyond. The wisdom of building at points below sea level has been questioned since the New Orleans breaches and before, but in a sense the question is backward. Nobody seems to have started-out yearning to build below sea level, it just worked-out that way as the population grew — such was the nature of the land surrounding the ports. Most great cities start-out as ports, the rest of their infrastructure and population developing from there. Sometimes they develop so successfully that their fundamental relationship to their ports abandons the mass consciousness. Urban sprawl becomes viewed as a positive force upon economic development, but that might be by someone with land to sell. Should the damaged areas be repaired and rebuilt, can they and will they be? For the waterfront operations, where it all started, the answer is clear: there's no other choice.

"Plaquemines Parish is the Operational center for the offshore oil and gas industry," the local website reports. "The Plaquemines Port and Harbor Terminal District is continuing to be sought after as Coal exporting capital of Louisiana." A good portion of Parish revenues come from port fees collected along 150-or-so miles of Mississippi riverfront. But also,



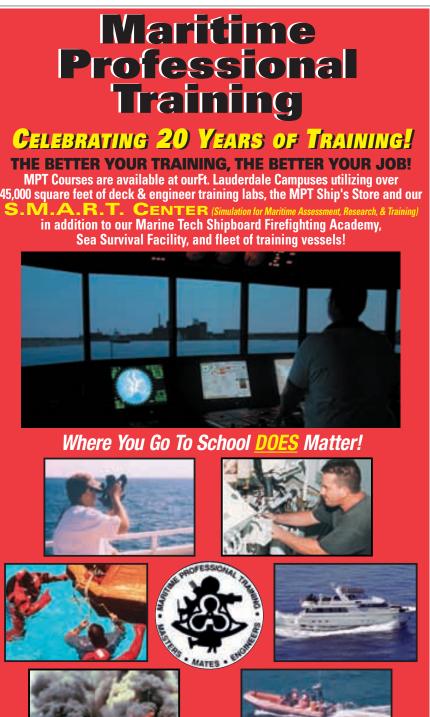
How Bisso's set-up looked, on the morning they lifted the Rhea I. Bouchard out of Miss Darby. On their unguided tour, the pair passed under the twin bridges in the background. (Photo: Don Sutherland.)



Parking lot near the Belle of Orleans, the Bally's "riverboat" casino on Lake Pontchartrain, and an everyday sign that has suddenly turned ironic. (Photo: Don Sutherland.)

"It is truly a Sportsman's Paradise with some of the best commercial and sportsman fishing areas in the world. With the seafood industry being one of the leading sources of income and highest employers in Louisiana, Plaquemines Parish produces millions of pounds of shrimp, oysters, crabs and fish annually."

"I'd just started a sportfishing business," said Larry Hooper, formerly of Empire and presently ensconced in Baton Rouge. "We made eleven trips, and then





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came Katrina. I have no gear left at all." There are boats to raise and insurance to collect, but there are also complications. "We're supposed to file a salvage plan," he said, "all the way up in Alexandria. I don't know if everybody knows it, but it's not so easy to get around. Benny said we should just go and salvage our own boats."

Benny Rousselle is in his second term as President of Plaquemines Parish. He sees the procedural order that the Coast Guard requires as being at odds with the needs of his constituents. Two to three weeks may be a good record for the clearing of main channels, restoration of navigational aids, and resumption of the national priorities, but it's a long time for your house or car or boat to sit underwater. Nobody wished Rita upon the recov-

ery, but she put everything on hold for a week more. Then Hurricane Wilma came, its wrath expended mainly on Florida, but bringing winds of 40-50 mph to Venice, according to Donjon's Joe Coyne. Time is passing, and people are having to make choices - return to their old homes and jobs, or put down new roots? With so much on hold, frustration levels run high.

"We're trying our best to help the oil and gas industries, and the boat owners to get up and running and rebuild our tax base," said Mr. Rousselle, of a region that has generated zero business taxes in a month, and where real-estate taxes once based on improvements are now based on the land alone. "We haven't had an accounting of what revenues are coming in from port fees, and some of the oil and

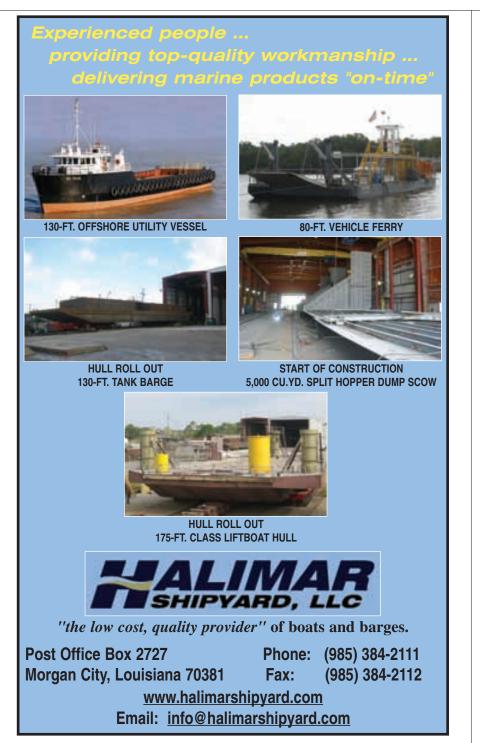
gas wells that we receive revenues from are not producing - the storms knowcked off all those platforms - so we don't know what we've got in revenues because they come in months after. We're being offered loans at 5%, but until I can get a clear view of what our tax base will be and how much it generates, I can't guarantee the payback. In past events, for Hurricane Andrew for instance, they offered grants. The rebuilding of Iraq is not being repaid, the rebuilding of Louisiana is."

The Parish had put away some funds for a day like this, "hoping it would never come. We've got \$15 million," which helps keep faith with bondholders. "When that runs out we'll go to layoffs and reduction of service"

The ticking clock is wound-up by more

than just Parish revenues. "We're stuck with the FEMA trailer issue - I've got 16,000 residents displaced. Early on the Parish stepped out and tried to create housing for our essential employees. When FEMA came in with all the consultants and red tape, everything went on hold. Our mistake was slowing down and letting them handle the process. 126 of our employees have been housed under our own efforts. The FEMA process came in, and in all this time they have only 48 trailers hooked up and occupied."

As long as the desirability of coming back is in the air, so is the practicality of it. "I didn't have insurance," said Wade Menendez, who's been shrimping for the past 30 years, "and I have two more notes on my boat" a steel 71-footer which is



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lying on its side alongside the highway overpass at Empire. "Katrina laid it over but it never got wet, then Rita came and it's a mess, trashed. It needs new engines, clutches, freezer systems, you're probably looking at \$200,000 to put it back the way it was." And the insurance? "They dropped my hull coverage in half, and left the premiums unchanged. Diesel is six or seven times higher than when I started shrimping, shrimp are three times less. The last three years I shrimped, I didn't make any money and had to drop the insurance."

The fallback for some in the area is oyster fishing, providing one of the allures for tourists in New Orleans oyster bars. "The place is so messed up," said Mr. Menendez, "we've got 1000 acres of oyster beds — it was prime land 20 years ago, and now it's no good at all, because of the way Lousiana is sinking — " a phenomenon attributed to the extraction of petroleum from the ground, as well as insufficient action against coastal erosion " - you don't have the right mixture of fresh and salt water anymore — too much salt water intrusion — you've got to have just the right mixture. Everybody's got oysters, but they're not growing."

So if he returned to Plaquemines Parish as a fisherman, what would he return to? Self-reinvention provided an exit strategy for Mr. Menendez, even if it does little for the Parish tax base — "I went to school and got my Master of Towing license. Got a 100-ton after that." Mr. Menendez has been running the Lady Josie, a 900-hp tug.

Benny Rousselle sees a future for the local fisherman, given a helping hand. "They've been fighting the situation for years," he said, "they were working toward moderating the imports that have been coming into the country - the Federal government was getting close to tariffs." The loss of the fishing industry for the parish would be "devastating. Everyone who supports them, from the ice people to the wheel people, would take a very serious hit. That's why it's so important to get the salvage efforts moving. That's what people are coming to me and telling me — if they could get their boats they could get out on the water and make a few dollars. They're very resilient people."

We climbed up for a look on the Highway 23 bridge crossing the Intracoastal Canal from the Gretna side to the Plaquemines side. On our way up, we noticed a



Near the 50-mile marker on the Mississippi, Titan Maritime uses inflatable airbags to lift one edge of a massive hopper barge off the levee, whereupon gravity helps return the vessel to the water. (Photo: Don Sutherland.)

small shrimper that had been tied beneath to ride-out Rita the night before, between bridge piers and the shore. On our way back down, we encountered three men approaching the boat. "She looks like she's okay," said one, older, heavier, with a hook — looked like steel — at the end of each forearm. It had been an electrical accident, we were told. Still, watching the three getting their boat ready, we could see what the man means by "resilient."



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al, Inc. 588 Lime Rock Rd. Lakeville, CT 06039 Www.fitchfuelcatalyst.com Chris Wright tel: 860-435-2525 fax: 860-435-2525 fax: 860-435-2424 email:chriswright@fitchfuelcatalyst.com email:chriswright@fitchfuelcatalyst. Products: Fuel & Emissions reduction n technolo-

# Advanced SubSea Inc.

2426 West Loop South, Ste. 200 Houston, TX 77027 Www.advanced-subsea.com Jacques Schoellkopf tel: +33 1 42 22 11 76 fax: +33 1 42 22 21 99 email:jsk@advanced-subsea.com Descr: Positioning and survey services Products: Subsea positioning, metrology consul-tants, GPS, navigation

Technical Marine Service, Inc.

**AEPCO Marine** AEPCO Marine 2517 Ferry Road Suite 200 Virginia Beach, VA 23455 www.aepcomarine.com Mr. Lesfer Lee te: 757-490-8500 fax: 757-490-7175 email:Lee\_Lester@aepc.com Descr: Ship repair and marine structure Products: Ship repair, shipyards

#### Agiosat Global Communications 33 N Va

2333 N. Valley Stree Burbank, CA 91505 w.agiosat.con Tom D. Soumas, Ji tel: 877-728-2668 (24x7) fax: 818-526-1715 nail:tsoumas@agiosat.com email:tsoumas@agiosal.com Descr: Business recovery/IT infrastructure/com-munication reestablishment throughout the affected Gulf Region. Products: Instant infrastructure, communica-tions, satellite communications, voice, data, 2tions, satellite comm way radio and video

AGMarine, Inc. 5711 34th Avenue NW Suite 201 Gig Harbor, WA 98335 ww.agmarine.com Devon Liles tel: 253-851-0862 fax: 253-851-0865 email:devonl@agmarine.com Descr: Distributor of commercial marine naviga-

ion Products: Gyrocompass, autopilot, speed log, magnetic compass, RAI, steering gear, charti systems, autopilot systems, control system--monitoring/steering, marine electronics

# Air Compressor Energy Systems

All Compressor Elle 10151 S. Perdue Baton Rouge, LA 70814 www.acesgs.com Ron Naquin tel: 225-272-2722 fax: 225-272-1424 email:info@acesgs.brcoxmail.com Descr: Compressed air products distributor Products: Air compressor and air dryers, oil/water separators, pipe fittings/cuttings/con-necting/systems, pump-repair-drives

# Alfa Lava

955 Mearns Road Warminster, PA 18974 www.alfalaval.us Noreen Comerford 215-443-4021 fax: 215-443-4200 n.comerford@alfalaval.com email:noreen.comerford@alfalaval.com Descr: Alfa Laval help you with all of your bilge/oily/wastewater and ballast treatment, sep-aration, heat transfer, and tank cleaning needs. We are here to arrange your spares, service, planned maintenance, and training needs. Products: Separation, heat transfer, fluid han-dling, ballast, shipbuilding (repairs, mainte-nance, dry docking, waste water treatment)

# ALGAE-X International

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PO Box 4011 Fort Myers Beach, FL 33932 www.algae-x.net John Bennett tel: 239-463-0607 or 877-425-4239 fax: 239-463-7855 email: info@algae-x.net Descr: Manufacturer of fuel management prod-ucts for Diesel Fuels

# ImpactWeather, Inc.

8787 Tallyho Rd. Houston, Texas 77061 Tel: (877) 792-3220 Toll free Tel: (713) 378-2720 Houston Metro • Fax: (713) 943-4645 E-mail: marellano@imapctweather.com • http://www.impactweather.com For more information, contact: Mike Arellano Industry Manager, Offshore/Marine

ImpactWeather provides accurate and timely marine weather information - a key component of the decision-making process. Whether you're sailing across the Atlantic, or managing a weather-sensitive project, our comprehensive worldwide marine weather forecasts can provide the critical information you need to operate safely and efficiently in any marine environment. Circle 98 on Reader Service Card

# **Superior Energies, Inc.**

P.O. Drawer 386 Groves, TX 77619 Tel: (409) 962-8549 Fax: (409) 962-4027 E-Mail: sei@insulationsei.com Web: www.insulationsei.com



Superior Energies, incorporated in 1978, is a Veteran-Owned Manufacturer, with over 100 years combined experience in the engineering, fabrication, and installation of Insulation Blankets, Fire Blankets, Acoustical Curtains, Thermal Shields and the best Leak and Freeze Protection products available. SEI has manufactured covers for a number of different industries utilizing a variety of designs, specifications, and techniques.

Circle 94 on Reader Service Card

# **Nordic Ship Consultants Inc.**

1323 SE 17th Street, #521, Ft. Lauderdale, FL 33316 Phone: 954-524-0025 • Fax: 954-524-0056 www.nordicship.com • E-mail: nsci@nordicship.com

Marine Consulting Company established in Florida in 1980 and operated by Merchant Mariners with extensive operational experience within the ocean-towing industry on World-wide basis with a long track-record. Activities include sales and purchasing of tugs, barges, offshore-/AHTS-vessels G/C-vessels,



RAMCO

ferries, cruise-ships, etc. Traffic- and project-analysis with management services for existing or start-up businesses. We manage donations of commercial vessels with max. tax-credit benefits for US Owners.

Circle 93 on Reader Service Card

# **RAMCO Manufacturing Co., Inc.**

365 Carnegie Avenue, Kenilworth, NJ 07033 Phone: 908-245-4500 Fax: 908-245-3142 www.ramco-safetyshields.com E-mail: info@ramco-safetyshields.com

Since the development of the first commercial safety shield for pipe connections in 1958 by  $\mathsf{RAMCO}\textcircled{B}$  Manufacturing Co., Inc., there has been worldwide acceptance of safety shields on piping systems to prevent personnel injury and equipment damage due to a chemical sprayout. The effectiveness of RAMCO® Safety Shields has been demonstrated in thousands of installations in industrial manufacturing plants, government facilities and on naval and commercial ships.

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# Wheelabrator Group

1219 Corporate Drive, Burlington, Ontario L7L 5V5 Fax Number: 800-571-5637 Contact: Rick Roth Contact email: info@wheelabratorgroup.com www.wheelabratorgroup.com



Supported by an extensive after market service of maintenance, renovation and consumables, the Wheelabrator Group is the world-leading designer and manufacturer of wheelblast, airblast and peening equipment. Whatever your surface preparation requirements are, the Wheelabrator Group will deliver the right solution for you.

**Circle 96 on Reader Service Card** 

Circle 97 on Reader Service Card

in steamship boiler automation and combustion control. TMS manufactures tank level indicators

Since 1987, TMS has provided automation, monitor-

ing and control design engineering. TMS specializes

for use with liquid drill mud, HFO, DFM and ballast.



Products: fuel conditioning, treatment, filtration and emission control technologies

# All Seasons Diving Company

All Seasons Diving Company PO Box 90 Dryden, MI 48428 www.AllSeasonsDiving.com Captain Tom tel: 810-796-2357 email:AllSeasonsDiving @ Hotmail.com Descr: Diving, charters, hyperbaric medic ser-vices, marine medical services Products: Hyperbaric chambers, equipment and services; computer/computer software, training

# Allied Independent Marine Contrac-

Tors Inc. 1356 SE 17th Street Fort Lauderdale, FL 33326 www.aimcomarine.com Phil Friedman tel: 954-523-9770 fax: 954-523-8270 email: mail@portroyalgroup. email: mail@portroyalgroup.com Descr: Marine repair and refit contracting. Products: Boatbuilder, shipbuilding (repairs,

# maintenance, dry docking) Allied Marine & Industrial

Allied Marine & Industrial 118 West St Port Colborne, On L3K4C9 Canada Dave Marsland te: 905-834-8275 fax: 905-834-8275 fax: 905-834-1128 email:sales @allmind.com Descr: Steel fabrication, custom machining, mill-wrights and marine engineers Products: Marine engineering, pipe fittings/cut-tings/connecting/systems, ship repair

# AllMaritim AS

Pol. Box 51 Bergen, 5812 Norway www.allmaritim.com Trond Dale tel: +47 5533 6160 fax: +47 5533 6161 email:trond.dale@allmaritim.com Descr: Supplier of oil spill response equipment Products: Oil spill response, salvage P.O. Box 5

# Alocit Group/Warfield Company

mall, PA 19008 vw.alocit.us Earl Bowry tel: 757-484-0020 fax: 757-484-6114 email:earlb@alocit.us Descr: Manufacture of underwater coatings and mil spec marine paints Products: Alocit 25.15 underwater applyable epoxy, Enviropeel Corrosion Inhibiting Stripable coating, coatings/corrosion control/paint, corro-sion control

# Alpha Star Corporation

5199 E. Pacific Coast Hi Long Beach, CA 90049 Rose Ragalini, Ph.D. tel: 562-985-1100 ext. 29 fax: 562-985-0786 fax: 562-985-0786 email:roseraglini@alphastarcorp.com Descr: Life, impact and damage prediction Products: Progressive Failure Analysis, fire and safety products, shipbuilding (repairs, mainte-nance, dry docking, software)

Altus Innovations 9B Whitecrook Bus Clydebank Glasgow, G811QF

UK www.altusinnovations.com lain Galbraith tel: +441419412340 fax: +441419412242 email:info@altusinnovations.com Descr: Power and control engineers Products: Consultants, marine engine naval architects, marine engineers ering,

# Aluminum Marine Construction

(Almar) 117 Puyallup Avenue E. Tacoma, WA 98421 www.almarboats.com Mike Sandemam tel: 253.572.2877 fax: 253.572.0065 email:info@almarboats.co boats.com Descr: Boat customization for specific customer needs

Ambest Supply Co. 1619 Greenleaf Oaks Sugarland, TX 77479 Fouad Alameddin tel: 281-240-2700 fax: 281-240-2788 mail:ambestsupply@aol.com Descr: Procurement and supply Products: Air conditioning and refrigeration, diesel engine (spare parts and repair, engines)

# AMDETECH (Americn Detection Tech-

nologies, Inc) 619 Chartres Street, Unit G New Orleans, LA 70130 www.amdetech.biz Robert Juneau tel: 504-915-8065 email:robert.iuneau@amdetech.com Descr: security and contraband detection ser-

# Amergent Techs

vices

65 Pine Avenue, Suite 221 Long Beach, CA 90802 www.amergenttechs.con Frank Whipple (Capt - USCG Ret.) whipple@amergenttechs.com Descr: Marine safety, security and environmen-tal services Products: Assessments, audits, planning, compliance, damage surveys, training, QI and spill management, temporary personnel for surge support, consultants, oil spill response, training

# American BOA, Inc.

American DOA, IIIC. 1420 Redi Road Cumming, GA 30040 www.americanboa.com Vic Flock tel: 678-513-3380 fax: 770-781-3968 email:vic.flock@iwka-abi.com Descr: Manufacturer of metal flexible products. Products: Eleviside metal bose and bose assem Products: Flexible metal hose and hose ass blies, expansion joints, pipe fittings/cuttings/con necting/systems

# American Electronic Services Inc.

1401 Sandra St. PO Box 1490 Morgan City, LA 70380 worgan City, LA 70380 www.americanelectronics-la.com, Glenn Fuselier tel: 985-702-8400 fax: 985-702-8403 email:gbf@teche.net Descr: Marine electronics, sales, and service. Products: Autopiol systems, GPS, marine elec-tronics tronics

# American Fan Company - a Flakt

Woods Company 2933 Symmes Boad 2933 Symmes Road Fairfield, OH 45041 David Medley tel: 360-202-8043 fax: 360-678-2253 TaX: 300-0-78-2253 email:david.medley@flaktwoods.com Descr: High performance fans and air distribu-tion for marine, offshore and naval applications.

#### American Marine Holdings Government Services

7110 21st Street East Sarasota, FL 34243 Sarasota, FL 34243 www.amhgov.com John Hotz tel: 941-685-7032 fax: 941-758-5417 email:jhotz@amhmail.net Descr: Industrial and com turer ercial boat manufac Products: Fiberglass boats, aluminum boats boat builde

#### American Marine Transportation Inc.

178 Via De La Reina Merritt Island, FL 32953 www.americanmarinetransportation.com Tom Connell Iom Connell tel: 321-452-0522 fax: 321-452-3452 email: tconnel@shore.net Descr: Tug, barge, and cargo transportation Products: Brokers, consultants, marine equip-

# American Nautical Services, Inc. 3311 South Andrews Ave., Suite 11

3311 South Andrews Ave. Ft. Lauderdale, FL 33316 w.amnautical.cor Ed Hays tel: 954-522-3321 fax: 954-522-3390 1ax: 594-522-3390 email:ed@amnautical.com Descr: World class nautical chart agency and marine bockstore Products: Nautical charts and marine profes-sional and technical books, nav/comm equip-ment, navigation

# American PERMALIGHT, Inc.

2531 W 237th Street #113 Torrance, CA 90505-5245 www.americanpermalight.com Marina Batzke tel: 310-891-0924 fax: 310-891-0996 Tax: 310-891-0996 email:info@americanpermalight.com Descr: Photoluminescent signs and escape route markings that glow in the dark Products: Photoluminescent signage, fire and safety products

American Solving Inc. 6511 Eastland Rd., Unit 9 Brook Park, OH 44142 www.AmericanSolving.com Orley Aten tel: 440-234-7373 or 800-822-2285 fax: 440-234-9112 tax: 440-234-9112 email:info@solvinginc.com Descr: Manufacturer and distributor of pneumat-ic powered heavy load handling solutions. Products: Air bearing equipment for moving heavy loads

# American Sprayed Fibers, Inc.

P.O. Box 735 Crown Point, IN 46308-0735 www.asflusa.com Dennis Miller tel: 800-824-2997 fax: 219-696-4955 nail@asfiusa.com Descr: Industrial, commercial and marine insulation Products: Dendamix marine insulation, boat-builder and ship repairs, maintenance, and dry docking

# Ameron International Performance

Coatings & Finish 13010 Morris Road, Suite 400 Alpharetta, GA 30004 Alpharetta, GA 30004 www.ameroncoatings.com Dorothy Tripodi tel: 678-393-0653 fax: 678-566-2699 email.dtripodi@ameron.com Descr: Manufacturer of high performance coat-ions ings

Products: Antifouling, ballast, coatings/corrosion

# Amron International

1380 Aspen Way Vista, CA 92081 www.amronintl.c Michael Malone onintl.com tel: 760-208-6505 fax: 760-597-8305 rat. roos97-5009 email:mmalone@amronintl.com Descr: Distributor of commercial diving and pub-lic safety equipment Products: Commercial diving, communications, CDs onfetu readults GPS, safety products AMSEC LLC / M. Rosenblatt & Son

# 350 Broadway, 8th Fl New York, NY 10013

Peter Wallace tel: 212-431-6900 fax: 212-334-0837 fax: 212-334-0837 email:peter, wallace@ansec.com Descr: Engineering and logistics firm specializ-ing in ships and ports. AMSEC is a joint busi-ness venture of SAIC and Northrop-Grumman Newport News. Products: Consulting services, engineering, pro-gram management, integrated logistics support, business process support, naval architects, marine engineers, training

# Analytic Systems #207 12448 82nd Ave

Surrey, BC V3L2A1 Canada Canada www.analyticsystems.com Bill Walker tel: 604-543-7378 fax: 604-543-7354 email:info@analyticsystems.com Descr: Manufacturer of power supplies, UPS's and power conversion products Products: Power supplies, electrical equipment, marine electronics marine electronics

# Anker Marine Paints

21 Cł Westport, CT 06880 Mr. Leif An ntorp tel: 203-226-5200 fax: 203-226-5246 tax. cu5-cc0-3240 email:ankermarinepaint@earthlink.net Descr: Manufacturer of marine paints & coatings Products: Antifouling, coatings/corrosion con-

Ansul Incorporated 1 Stanton Street Marinette, WI 54143 www.ansul.com Wayne Richardson tel: 281-282-0907 fax: 281-282-0917 email:warichardson@tycoint.com Descr: Manufacturer; fire protection and sup-pression equipment Products: Fire protection equipment

#### APEX Steel Corp (Bulbflats-R-US) , Suite #404

50 East Palisade Ave., Englewood, NJ 07631 www.apexsteelnj.com Norman Cantor tel: 201-568-1429 fax: 201-568-7025 ail:apexsteel@covad.net Descr: Supplier of bulb-flats Products: Hull steel stiffeners, bulb-flats

# Applegate Industrial Materials. Inc.

Applegate Industrial Materials, Inc. P.O. BOX 428 1440 Government Street Baton Rouge, LA 70821-0428 www.the-flex.com Bob Applegate tel: 800-843-3539 or 225-336-4116 fax: 225-336-4317 email:bob@the-flex.com Descr: Marine exhaust components Products: Exhaust, expansion joints, insulation

# Applied Geomechanics Inc. 1336 Brommer St Ste A8

Santa Cruz, CA 950622947 www.geomechanics.com Etienne Constable tel: 831-462-2801 fax: 831-462-4418 email:applied@geomechanics.com Descr: Manufacturer of tiltmeters/clinomete Products: Tiltmeters and clinometers, contr system (monitoring/sterring, monitoring sys tems)

Aqua-Air Industries, Inc. 639 Manhattan Blvd. Harvey, LA 70058 www.aquaairind.com Stacy Cruze tel: 504-362-8124 fax: 504-362-3600 email:sales@aquaairind.com Descr: Commercial diving supplier and manu-Facturer Products: Supplier and manufacturer of quality commercial diving equipment, filters/filter sys-tems, heat exchangers, marine equipment

Aqua-Dyne 3620 W. 11th Street Houston, TX 77008 www.aqua-dyne.com Dennis Williams tel: 713-864-6929 fax: 713-864-0313 tax: 713-864-0313 email: info@aqua-dyne.com Descr: Ultra high pressure water blasting equip. mfg. with pressures to 40,000psi. Products: Pipe fittings/connecting/sys-tems, pump-repair-drives, water jet cleaning

Aqua-Marine Surveyors LLC P.O. Box 271128 Flower Mound, TX 75028 www.a-msllc.biz

Paul A. Post tel: 214-457-0918 fax: 972-355-0252 nail:boatchecker@a-msllc.biz Descr: Yacht and small craft surveyor

# Aries Marine and Industrial Sales 13405 Seymour Myers Blvd. Suite 20 Covington, LA 70433 www.ariesmarine.net Barry Lagasse tel: 985-871-9990 fax: 985-871-9094 Iab. 3000 F3004 email:ariserfq@bellsouth.net Descr: Stocking distributor Products: Chockfast Orange Chocking Cor pound, galley equipment, marine equipme tank leveling indicators

# Art Anderson Associates

202 Pacific Ave. Bremerton, WA 98337 www.artanderson.com/ Christopher Muglia n/contactus.html tel: 206-622-6221 fax: 360-479-5605 email:cmuglia@artanderson.com Products: Consultants, marine engineering, naval architects

# ASA Environmental Products, Inc.

22 Bayview Avenue P.O. Box 789 Stonington, CT 06378 www.ASA-environmental.com Jeff Schneider tel: 800-783-5272 fax: 860-535-3970 email:jc@ASA-environmental.com Descr: Certified SDB--supplier of diesel polish-ing and filtering systems, EPA & OSHA compli-ance products (spill clean up, safety supplies etc), cleaners and degreasers Products: ASA/DPS - filters/filter systems, fire and safety products, oil spill response, oil/water separators, waste water treatment

# ASL Environmental Sciences Ltd.

1986 Mills Road Sidney, BC V8L 5Y3 Canada www.aslenv.com David Lemon tel: 250-656-0177 fax: 250-656-2162 email:asl@aslenv.com Descr: Physical oceanography, underwater acoustics Products: underwater acoustics, consultants, marine equipment

# Associated Marine Salvage Inc.

Associated Marine Salvage Inc. 1883 NW 71h Street, Suite 5 Miami, FL 33125 Gordon Olson and Beau Payne tei: 386-679-1975 or 305-790-7428 fax: 386-322-3399 or 305-644-9370 email:Lighthouseview @wordhet.att.net Descr: Marine salvage, wreck removal, towin commercial diving, underwate welding and burning, u/w ship repair Products: Marine equipment, salvage, ship repair oval, towing, repair

# ASTI Transportation Systems, Inc.

ASTI transportation Systems, Inc. 18 Blevins Drive New Castle, DE 19720 asti-trans.com Todd Hartnett, Director of Homeland Security tel: 302-328-3220 fax: 302-328-4051 email:Todd@ asti-trans.com Descr: ITS and homeland security Product: Products and the security Product: Products and the security Products: Portable video surveillance. communications security

# Astillero de Puerto Rico. Inc.

Astillero de Puerto Kico, Inc. P.O. Box 560278 Guayanilla, P.R. 00656-0278 Carlos E. Padilla te: 393-642-7603 fax: 787-844-6838 email:astilleros7600 @hotmail.com Descr: Marine contractor Products: Marine service, marine equipment, salvace salvage

At Sea Electronics, Inc. 5364 Ehrlich Road #17 Tampa, FL 33624 www.AtSeaElectronics.com Ronald B. Hoel tel: 813-961-3829 fax: 775-256-3048 sales\_department@atseaelectronics.com Descr: Marine radio/TV entertainment and training systems Products: Marine radio/TV antennas, amplifiers, distribution, satellite TV, marine electronics, satellite communications

# Atlantic Crew Services, Inc.

6374 12th Street Vero Beach, FL 32966 www.atlanticcrew.com Captain Gary Dyer tel: 401-486-1933 email:atlanticcrew@yahoo.com Descr: Captain and crew contact company

# Atlas Marine Systems

Atlas Marine Systems 5101 NV 21st Avenue, #520 Fort Lauderdale, FL 33460 www.AtlasMarineSystems.com Mike Prado tel: 954-735-6767 fax: 954-735-6767 email.Mikep@atlasmarinesystems.com Descr: Marine electrical power equipment and design Products: Marine electrical design, frequency converters, power management, switchboards consultants, electrical equipment, naval architects, marine engineers

Aurand Mfg & Equipment Co 1210 Ellis St Cincinnati, OH 45223

www.aurand.net Michael Noeth tel: 800-860-2872 or 513-541-7200 fax: 513-541-3065 mail:aurand@fuse.net Descr: Manufacturer of electric and pneumatic deck scalers Products: Deck scalers, corrosion control, marine equipment, surface prep tools

w.bcsautomation.ca Tom Bowland tel: 613-969-1108

Bell Design Group Ltd.

40 Tulle Court (American Contact) Clayton, CA 94517-1210 www.belldesigngroup.com Judy Bell-Davis tel: 925-673-7220

email:judy@belldesigngroup.com Descr: Interior and industrial Design

Products: Consultants, interiors, ship repair

N. Falmouth, MA 02556 www.benthos.com Peter Zentz tel: 508-563-1000 fax: 508-563-6444 email.info@benthos.com Descr: Maker of oceanographic products and undersea systems Products: Remotely operated vehicles, geophys-ical survey systems, underwater modems, com-munications, marine electronics, marine equip-ment

Henderson, WA 61bb Aussess www.beurteaux.com Neil Howe tel: +61 8 9494 6888 fax: +61 8 9494 6889 email:neil@Beurteaux.com Descr: Marine seating Products: Pilot and passenger seat options and

email:sales@bfgmarine.com Descr: Manufacturer of flex shafts and valve

R.O.G. Products: Remote manual valve operation equipment including flexible shafts

Descr: Environmental safe cleaners and lubri-

cants Products: Environmental safe cleaners and lubricants, filters and filter systems, oil/water separators, safety products

Bio-Gem Services Inc. 15816 S.E.114th AV. Clackamas, OR 97015 Roy A. Mohr

email:cleanthebio@msn.com

nail:tbowland@bcsautomation.ca

Descr: Marine automation systems Products: Control system (monitoring/steering), monitoring systems, security

fax: 613-967-7789

Benthos. Inc.

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Beurteaux

BFG Marine. Inc.

One Saxwood Street Deer Park, NY 11729

www.bfgmarine.co tel: 631-586-5500

fax: 631-586-5501

tel: 503-656-9858

fax: 503-656-9861

BIRNS, Inc.

PO Box 909 Oxnard, CA 93032-0909 www.birns.com Eric Birns

ail:service@birns.com

Blastrac North America

6215 Aluma Valley Driv Oklahoma, OK 73121

Descr: Underwater/splashproof lights

Oklahoma, OK 73121 www.blastrac.com Paul Antoon tel: 619-295-0893 fax: 619-295-0754 email:paul.antoon@blastrac.com Descr: Concrete/steel surface preparations Products: Shot blasters, grinders, polishers, saws, grinding disc and blades

Blended Learning Techniques Inc.

email:mstewart@bltk.com Products: Lifeboats/rafts, lifesaving equipment, training

Descr: Producer of stainless steel push-fit drain

pipe systems, deck and galley drains (channels) Products: Stainless steel push-fit pipe and drain systems for black and grey water, in vacuum or gravity service

Descr: Multi-disciplinary engineering firm serv-ing the energy and transportation (marine) sec-tors, providing support from concept design

through decommissioning. Products: Consultants, marine engineering, naval architects

BMT Salvage Limited (The SA)

**BMT Fleet Technology Limited** 

311 Legget Drive Kanata, ON K2K1Z8 Canada www.fleetech.com Andrew Kendrick tel: +1 613 592 2830

fax: +1 613 592 4950

40 Fulton Street New York, NY 10038 www.wreckage.org

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email: fleet@fleetech.com

488 Bayview Terrace Qualicum Beach, BC V9K 1G3

Canada

Martin Stewart tel: 778-288-8116

Blucher-Josam 2501 S. Front Street Philadelphia, PA 19148 www.josam.com Carl Parker

mail:blucher@josam.com

tel: 215-339-5370 fax: 215-551-6440

888-247-6788

fax: 805-487-0427

R.O.G

cants

8 Success Way Henderson, WA 6166 Australia

49 Edgerton Drive N. Falmouth, MA 02556

Autonav 345-255 Newport Drive Port Moody, BC V3H 5H1 Canada www.autonav.com Paul Wagner tel: 604-526-0113 fax: 604-526-0146 email:wagner@autonav.com Descr: Manufacturer, consultants Products: Dynamic positioning, control system (monitoring/steering), steering gears/ systems

AXYS Technologies Inc 2045 Mills Rd Sidney, BC V8L3S8 Canada www.axystechnologies.com Don Bryan tel: 250-655-5847 fax: 250-655-5856 emmildheur@avus.com email:dbryan@axys.com Descr: Remote environmental monitoring systems Products: Buoys, water quality sensors, moor-ings, marine equipment, monitoring systems

# Ayres Composite Panels USA, LLC

Ayres Composito Caller PO. Box 616 Berwick, LA 70324 www.ayrescom.com Saul Dupuis tel: 985-395-5037 fax: 985-395-5129 email:saul@ayrescom.com Descr: Manufactures lightweight aluminum com-rosite nanels Products: Lightweight interior composite aluminum panel

Bahamas Marine International Inc 10731 Buttonwood Lake Drive Boca Raton, FI 33498 boca natori, in 25-50 www.bahamarsmarine.com Roy Mac Keen tel: 954-520-4558 fax: 561-488-9278 email:info@bahamasrine.com Descr: Independent ship/yacht surveyors Products: Independent marine surveyors

Bailey HVAC 632 Alvar St. New Orleans, LA 70117 www.baileyco.com Don Booth tel: 800-8-BAILEY fax: 732-382-1048 email:sales@baileyco.com Descr: Marine HVAC refrigeration Products: Marine HVAC design and installation

# Bailey Refrigeration Co., Inc. 2323 Randolph Av Avenel, NJ 07001 www.baileyco.com Ben Bailey

el: 800-8-BAILEY fax: 732-382-1048 email:sales@baileyco.com Descr: Marine and industrial HVAC and refrigeration Products: Refrigeration dehumidification

Canton, MA 02021 www.coverguard.com Michael Costello tel: 800-422-5684 fax: 781-821-2609 email:mike.costello@coverguard.com Descr: Distributor of temporary protective mate-rials for floors, walls, carpet and furnishings dur-ing repair and rebuilding projects. Products: Plastic sheeting for temporary protec-tion of flooring, walls and furnishings during repair and renovation.

email:bakerlyman@yahoo.com Descr: Chart agents, pubs, weather stations. Products: Weather Stations, computer and soft-

Descr: Manufacturer Products: Blasting abrasives for surface preparation and coatings removal

2200

tel: 200-386-0414 fax: 206-388-0415 email:kevinh@glacierbaycruiseline.com Descr: Overnight passenger vessel operator Products: Four small cruise vessels with accom-modations for from 40-90 people plus crew

ware, marine electronics, navigation

Barton Mines Company, LLC

**Bainbridge International** 

Baker Lyman and Co. Inc.

3220 South I-10 Ser Metairie, LA 70001 Mike Serafin tel: 504-831-3685 fax: 504-831-3786

1557 State Route

www.barton.com

Lake George, NY 12845

John Swertner tel: 800-741-7756 fax: 518-798-5728 email:info@barton.com Descr: Manufacturer Products: Blasting abras

BB Acquisition LLC 2101 Fourth Ave, Suite 2 Seattle, WA 98121

BCS Automation Itd.

121 Dundas Street East, Suite 105 Belleville, ON K8N1C3 Canada

tel: 206-388-0414

www.glacierbaycruiseline.com Kevin Hill

255 Revere St Canton, MA 02021

# MarineNews' Gulf of Mexico Resources Guidebook

Bill Palmer or Liz Arnold tel: 212-587-9300 fax: 212-587-9301 email.new\_york@wreckage.org Descr: Marine surveyors Products: Specialist damage surveyors, consul-tants, naval architects, marine engineers, sal-vane vage

# **Boland Industrial Consulting Services.**

P.O. Box 612 Pascagoula, M ascagoula, MS 39568 JOHN BOLAND tel: 228-762-3172 fax: 228-762-3108 tax: 228-762-3108 email:tonymack@pavcoind.com Descr: PdPM vibration and alignment Products: Vibration analysis and control laser alignment, marine engineering, naval architects, propulsion equipment.

# **Booz Allen Hamilton**

8283 Greensboro E McLean, VA 22102 www.bah.com www.bah.com Tom Schnied tel: 703-289-5085 email:Schneider thomas@bah.com Descr: A global strategy and technology consulting firm oducts: Project management, secure supply chains, risk assessments, process reengineer-ing, IT consulting, communications, consultants

# Brass Works Inc., The

P.O. Box 566 DeLand, FL 32721 www.marinedoorand Hannah Barnes andcabinethardware.com tel: 386-943-8857 fax: 386-943-8810 email:info@marinedoorandcabinethardware.com Descr: Door locks, cabinet latches, door stops, marine grade - stainless steel, brass chrome plated Products: Hardware, door locks, marine and industrial doors, interior

# Brown Marine Service, Inc

P.O.Box 1415 Pensacola, FL 32591-1415 www.brownmarine.com Bill Guttmann el: 850-453-3471 fax: 850-457-16 email:tbrown01@brownmarine.com Descr: Distributor of marine supplies and equip-Products: Oil-eating microbes for bilges, bro-kers, filters, filter systems

BSY Associates Inc. 960 Holmdel Road/ Building 2 Holmdel, NJ 07733 Holmdel, NJ 07733 www.bsya.com Barbara Spector Yeninas tei: 732-817-0400 ext.16 fax: 732-817-1411 email:Barbara@bsya.com Descr: Crisis communications, marketing com-munications, advertising, graphic design Products: Wedia response, marketing communi-cations, consultants, oil spill response, training

# Burke Design, LLC

31 Dimond Ave. Bristol, RI 02809 Bristol, HI 02809 www.burkecompositeengineering.com Steve Burke, NA tel: (401) 254-6113 fax: (401) 254-6113 email:steve@burkecompositeengineering.com Descr: Composite engineering, new con-struction and repairs, consultants, naval archi-terts, marine anninaer tects, marine engineers

# **BW** Technologies

3279 West Pioneer F Arlington, TX 76013 Pkwy www.gasmonitors.com Www.gashronters.com Jimmy Blout tel: 888-749-8878 fax: 817-274-8321 email:inf@ Bwhtet.com Descr: Manufacturer of gas detection Products: Gas detectors, monitoring systems, safety products

C. C. Jensen. Inc. 1557 N. W. Ball Seattle, WA 98107 www.cciensen.com Knud E. Hanser tel: 206-789-1710 fax: 206-789-1747 email:ccjensen@ccjensen.com Descr: Manufacturer of offline filter systems for any type of oil.

Caldwell Marine Intl. 1433 Hooper Ave - Suite 121 Toms River, NJ 08753 www.caldwellmarine.com Jack Breininger tei: 732-557-6109 fax: 732-557-0018 email:threinger@caldwellma email:jbreininger@caldwellmarine.com Descr: Heavy marine contracting Products: Marine construction, diving.

# Callenberg Engineering Inc.

570 NE 185th St Miami, FL 33179 Miathin, FL 50173 www.callenberg.com Avi Tal tel: 305-493-8000 fax: 305-493-8099 email:avi@callenberg.com Descr: Marine electrical supplier and integrator Products: Air conditioning and refrigeration, electrical equipment, lighting systems/ equip-ment

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# Cape Compass

West Falmouth, MA 02574 www.capecompass.com Jeff Kaufmann tel: 508-457-9093 email; kcompass@adelphia.net Descr: Magnetic compass repairs, installation and adjusting Products: Ritchia Dest. 5 and adjusting Products: Ritchie, Plath, Danforth, Suunto, Diri-go, ComNav, Silva, autopilot systems, nav/comm equipment, navigation

# CapRock Communications

4400 S. Sa 4400 S. Sam Houston Parkway E Houston, TX 77048 www.canrock.com David Myers tel: 888.482.0289 fax: 832.668.2388 email:saleshouston@cprk.com Descr: Satellite communications provide Products: Communications, satellite cor

# Carousel Paint Corp

3558 Western Branch I Portsmouth, VA 23707 v.carouselpaint.com Dan P Buelk PCS tel: 757-397-4594 fax: 757-399-4525 Hat. 17-059-4020 email:danpbuelkpcs@carouselpaint.com Descr: High performance coatings paint store Products: Antifouling, coatings/corrosion con-trol/paint, surface prep tools

Carrillo Underwater Systems POB 6217 Brookings, OR 97415 www.carrillounderwater.com Rob Carrillo tel: 888-728-2226 email:robc@carrillounderwater.com Descr: Manufacturer of underwater lighting and video Products: Portable underwater video (VHS/DVD/HDD) cameras, recorders and wire-less and low voltage lighting, communications, monitoring systems

# CAT PUMPS-High Pressure Pumps &

Systems 1681 94th Lane NE Minneapolis, MN 55449 www.catpumps.com Darla Jean Thompson tel: 763-780-2958 email:techsales@catpun Descr: Manufacturer of triplex high pressure pumps and systems up to 320 GPM, 7000 PSI for desalination, process, jetting, hydrostatic and industrial cleaning applications Products: high pressure pumps, desalination pumps, triplex plunger pumps, pump systems, water jet cleaning

# CDI Marine Company

9550 Regency Square Blvd Jacksonville, FL 32225 www.cdi-gs.com Francesco Anderson tel: 904-805-0700 tel: 904-805-0700 fax: 904-805-0710 email:francesco.anderson@cdicorp.com Descr: Naval architecture, marine engineering and design Products: Naval architects, marine engineers, simulation training

# **CENTA Corporation**

St Blackhawk Drive St Blackhawk Drive Westmont, IL 60559 www.centa.info Bob Lennon Bob Lennon tel: 630-734-9609 email:info @centacorp.com Descr: Manufacturer of flexible couplings Products: Couplings. pronuipme Products: Couplings, propulsion equipment, shafts

# Centaur Construction, LLC.

sultants

2200 Royal Street New Orleans, LA 70117 Arthur Pittar Arthur Pittari tel: 504-947-3905 fax: 504-947-3950 email:arthur@centauflc.com Descr: Heavy, industrial and marine construc-tion, salvage, demolition and debris removal Products: Own and operate 3 heavy lift cranes (200 and 300 ton) on barges. Affiliated with marine services company that provides bulk and breakbulk stevedoring plus marine towing, con-sultants.

# Central Lock and Hardware Supply 95

N.W. 166th Street Miami, FL 33169 www.cenlock.com Shari Rochelle tel: 305-947-4853 tel: J05-947-4953 email:sales@cenlock.com Descr: Wholesale distribution of architectural marine door/cabinet/window/bath-washroom/refrigerator hardware Products: Yale security/corbin/schlage/bobrick/kason/stanley ger/phoenix lock/ives/, fire and safety products, gallev equipment.

# Chesapeake Marine Training Institute,

Inc. PO Box 1153, 3566 George \ 3566 George Washington Mem Hwy Hayes, VA 23072 emarineinst.com . Amanda Symonds tel: 1-800-642-2684 fax: 804-642-1743 email:info@chesapeakemarineinst.com Descr: Provides USCG approved courses including AB w/ Limited Lifeboat; RADAR; ARPA; ECDIS; STCW BST; App. Mate/Steers man; Master to 2000T; Tankerman PIC; and more. Mustang Survival Gear Dist. Visit us at www.chesapeakemarineinst.com Products: Lifesaving equipment, simulation train ing, training

# Chow Engineering, Inc. 7770 Pardee Lane, Suite 100

Oakland, CA 94621 Michael S. Smookler tel: 510-636-8500 fax: 510-636-8544 email:msmookler@choweng.com Descr: General Engineering / Construction Management Products: General Engineering, Construction Management, Maritime Security

Cianbro Corporation P.O. Box 1000 Pittsfield, ME 04967 www.cianbro.com Bob Blackmore tel: 207-679-2381 fax: 207-679-2463 email:bblack@cianbro.com Descr: General Contractor Products: Industrial Fabrication, Coatings/Corro-sion Control/Paint, Consultants, Ship Repair

# **CitiCapital Commercial Corporation**

290 East Carpenter Freeway Irving, TX 75062 www.citicapital.com/marine/index.as.. Joe Pitch tel: 972-652-4709 fax: 972-652-4796 email:joseph.m.pitch@citigroup.com Descr: Commercial Marine Finance Division of CitiGroup Products: Financing and Leasing

#### Clean Harbors Environmental Services, Inc

13351 Scenic Highway Baton Rouge, LA 70807 Baton Houge, LA /080/ www.cleanharbors.com Scott Metzger tel: 225-778-3523 fax: 225-778-3523 email:metzgers@cleanharbors.com Descr: Environmental Response/Salvage Products: Haz Mat/Oi/Biohazards/Mold/Decon, Oil Scill Besones Salvage Shizhuiding Oil Spill Response, Salvage, Shipbuilding (Repairs, Maintenance, Dry docking)

#### CleanCut, LLC 104-B Eas nt Road

Broussard, LA 70518 www.cleancutllc.com Joey LeRouge tel: 337-837-9948 fax: 337-769-0030 email:jaquetta@hightechcomp.com Descr: Surface Preparation - Equipment & Products: Low Dust Abrasive Blasting

Climax Portable Machine Tools, Inc. 2712 E. Second St Newberg, OR 97132 www.cpmt.com Mike Davenport tel: 503-538-2185 fax: 503-538-7600 email:info@cpmt.com Descr: Portable Machine Tool Sales, Rental & Training Products: Ship Repair, Shipbuilding (Repairs, Maintenance, Dry docking)

# C-MAP

133 Falmouth Road Mashpee, MA 02649 www.c-map.no Eric James tel: 5084777537 fax: 5085394384 email:commercial@c-map.com Descr: Electronic Charts Products: CM-93 Electronic Chart Database, Marine Electronics, Nav/Comm Equipment, Nav-igation

# **Coastal America Foundation**

100 Muron Avenue Bellingham, MA 02019 www.CoastalAmericaFo icaFoundation.org William A Hubbard tel: (508) 292-0251 fax: (508) 883-4517 seamail@CoastalAmericaFoundation.org Descr: IRS Recognized public charity doing habitat restoration and education Products: Environmental Restoration Charity,

# Coastal Marine Equipment, Inc.

20995 Coastal Parkway Gulfport, MS 39503 stalmarineequipment.com www.coastalmarine Ralph Waguespack te: 228-832-7655 fax: 228-832-7675 email:sales @ coastalmarineequipment.com Descr: Provides support, parts and service for all products which product line. Products: Anchor Windlasses, Mooring Winches Anchor Winches, Hose Reels, Capstans, Escort Winches, Towing Winches, Tugger Winches, Ramp Winches, Spud Winches, Cable Storage Reels, Capstans, Winches & Fairleads, Wind-lasses (Anchors)

Comcortech 3952 Cattail Pond Drive Jacksonville, FL 32224 www.comcortech.com Daniel Deck tel: 904-504-1861 mail:dandecker77@msn.com Descr: Water Jet Cleaning/Coatings Application Products: Coatings/Corrosion Control/Paint, Corrosion Control, Water Jet Cleaning

Commercial Products Int'l, Inc 7060 15th Street East, Suite 6 Sarasota, FL 34243 www.commercialproducts.net www.commercialpro Andrew Whittington tel: 502-863-0373 ercialproducts net Descr: Marine, Commercial and Household Appliances Products: Washers/Drvers. Laundry Equipment. Dishwashers, household appliances, marine appliances, Air conditioning & Refrigeration, Galley Equipment, Marine Equipment

# Commonwealth Rubber Supply Inc

Commonweattn Hubber 40 N Enterprise Ave Trenton, NJ 08638 rasputen@voicenet.com Ray Kasper tel: 1-609-695-8312 fax: 1-609-695-8312 email:rasputen@voicenet.com Descr: industrial rubber hose Descluten beschen constant cenet.com Products: hose, hose couplings, fuel hose, oil transport hose

#### Compliance Innovations 300 Tournament Bouleva

Berwick, LA 70342 Captain Fred Isslieb tel: 985-397-1040 fax: 985-702-1079 email:compliancemarine@aol.com Descr: Marine Vessel/Commercial Coating Restoration Products: Coatings/Corrosion Control/Paint, Sal-

# Conrad Industries, Inc.

1501 Front Street Morgan City, LA 70380 www.conradindustries.com A.J. Blanchard tel: 985-384-3060 fax: 985-385-4090 email:ajblanchard@conradindustries.com Descr: Boat builder and vessel repair Products: Ship Repair, Maintenance, Dry dock-ing, Shipyard

# Consulting and Specialists, Inc. 924 Lefort By-Pass Rd. Thibodaux, LA 70301 www.safetytrainingacademy.com

tel: 985-447-1700 fax: 985-447-2777 email:dmportier@safetytrainingacademy.com Descr: Safety Training and Fire Supression Products: Consultants, Fire & Safety Products, Training

# **Continental Western Corporation**

1003 Medina Street Houston, TX 77102 www.cwestern.com Dexter Ross tel: (877) 644-0347 fax: (713) 926-3867 oss@cwestern.com Descr: Premier supplier of strapping, rope twine, packaging products, gloves and tarp products for the agricultural, fishing, marine, industrial, hardware, utility and packaging ma

# Conusub 215 Third Street Newport, RI 02840 Newport, model in Section Stephen Moy Stephen Moy tel: 401-848-7495 email:Steve@conusub.com Descr: Commercial Diving Products: Diving Services, Salvage, Shipbuild-Enter Maintenance: Drv docking

**Cooper Bearings** 

5365 Robin Hood Road Suite B Norfolk, VA 23513 Norfolk, VA 23513 www.CooperElBarings.com Debbie Milledge tel: 757-460-0925 ex 100 fax: 757-464-3067 email:dmilledge@kaydon.com Descr: Bearing manufacturer Products: Split Roller Bearings, Bearing- Rub-ber, Metallic, Non-Metallic, Propulsion Equip-ment

# Corrpro Companies, Inc.

000B Holli Houston, TX 77040 Houston, TX 77040 www.corproc.com Spencer Turpin tel: 713/460-6000 fax: 713/460-6060 email:sturpin@corpro.com Descr: Corrosion control services - cathodic pro-tection testing and repair Products: Antifouling, Consultants, Corrosion Control

Cranesmart Systems 4908 97 Street Edmonton, AB T6E 5S1 Canada www.cranesmart.com Mark Holt tel: 780-437-2986 fax: 780-438-9448 Iat. 700-305-9440 email:markhol@cranesmart.com Descr: Cranesmart Systems manufactures crane safety equipment. Products: Crane - Hoist - Derrick - Whirleys, Safety Products

# CS Unitec. Inc.

22 Harbor Avenue Norwalk, CT 06850 www.csunitec.com Tom Carroll tel: 800-700-5919 fax: 203-853-9921 email:info@csunitec.com Descr: Specialty Industrial Power Tools Products: Pneumatic Tools for sawing and drilling concrete, pipe, metal

Products: Cummins, Cat, Detroit Diesel Diesel Engines and GenSets, Twin Disc Marine Gears, Diesel Engine- Spare Parts & Repair, Engines

tax: 207-846-1666 email:ryork2@maine.rr.com Descr: CAD design of ships and facilities Products: Logix ICF buildings for yard work-shops and office space. Extreme durability and thermal efficiency.

Designs In Time 277 West Main Street Yarmouth, ME 04096 Joel R. York tel: 207-846-1666

fax: 207-846-1666

Desmi Inc.

Jesmi InC. 2551 Eltham Ave, Suite G Norfolk, VA 23513 www.ro-cleandesmi.com Stewart Ellis tei: 757-857-3169 fax: 757-857-6989 email.info@ro-cleandesmi.com Descr. Oil conil conilorement a

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ww.desmond-stephan.com

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Bob McConnel

1927 Wi

www.dian

John Karklir

Sales Dept

Houston, TX 77064

tel: 713-681-3449

fax: 713-688-8273

tel: 937-653-7181

fax: 937-653-5511

Urbana, OH 43078

Descr: Oil spill equipment manufacturer

rea. 597-603-2011 email:desmodmfg@ctcn.net Descr: Manufactures Scarifying Cutters and Bar-nacle Removal Tool Products: Coatings? Corrosion Control/ Paint, Shipbuilding-Repairs, Maintenance, Dry docking

email:jkarklin@diamonddh.com Descr: Rent/Sale of industrial dehumidification

equipment Products: Dehumidifiers, Air Movers, Heater Air-Conditioning, Air conditioning & Refriger tion, Corrosion Control

Diamond Dehumidification Inc.

nddh con

Diesel America West, Inc. O. Box 968 riday Harbor, WA 98250 ww.dawest.com

tel: 360-378-4812 or 800-343-7351

Directions In Design, Inc.

nail:may-zinsers@didinc.com

Descr: Interior planning and procurement firm for marine environments of all types. Products: Ceilings, Lighting, Furniture, Floor Coverings, Consultants, Interiors

Descr: Rigging Manufacturer Products: Tow, Mooring and Push Wires-Wire Rope, Web and Chain products, Deck Machin-

ery- Cargo Handling Equipment, Rope-Manila-Nylon-Hawsers-Fibers, Winches and Fairleads

narine.com Descr: Subsea Robotics and Submersible Sys-

Lescr: Subsea Robotics and Submersible Sys-tems. Levee Inspection Systems Products: ROVs, Underwater Inspection Sys-tems, Manipulators, Thrusters, Tunnel/Pipeline Survey Equipment, Consultants, Marine Equip-ment, Oil Spill Response

Dolphin Marine International

nail:wkearnev@imperialtrading.com

**Dominion Diving Limited** 

ment, Marine Equipment, Salvage

**DPS** Technology

5662 Calle Real #311 Goleta, CA 93117

www.dpstechnology.com

Dartmouth, NS B2Y 2W1

Descr: Offshore, Rig and Construction Towing Products: Offshore, High Horsepower Marine

Variation www.dominiondiving.com John Scott tel: 902-434-5120 fax: 902-463-7966 emailijscott@dominiondiving.com Descr: Offshore Diving and ROV company. Products: Offshore Divers, ROVs and Equip-ment. Maeine Environmet. Cohracon description

Diversified Lifting Systems Inc.

Diversified Liturg cysecility 4702 Distribution Dr. Tampa, Fl. 33605 www.diversifiedlifting.com Billy Crowe tel: 800-752-1214 fax: 813-248-6057 email.ibernier@diversifiedlifting.com Descr: Biogram Manufacturer

DOER Marine 1827 Clement Ave. Bldg. 19 Alameda, CA 94501

Liz Taylor tel: 510-530-9388 fax: 510-749-8377 email:Liz @doermarine

701 Edwards Avenue Elmwood, LA 70123 www.dolphinmarineir Todd Cheramie tel: 985-475-5585

fax: 985-475-8651

Canal St

Canada

1849 Craig Road St. Louis, MO 63146 www.didinc.com Sharon May-Zinser tel: 314-205-2010 x319

fax: 314-205-0889

tax: 360-378-3315 email:dawest@rockisland.com Descr: Provider of portable diesel equipment Products: Diesel Powered Water Pumps, Gener-ators. Compressors, Pressure Washers

Cygnus Instruments, Inc. PO Box 6417 Annapolis, MD 21401 www.cygnusinstruments.com Rod Sanders tel: 410-267-9771 fax: 410-268-2013 tax: 410-268-2013 email:sales @oygnusinstruments.com Descr: Manufacturer/distributor Products: Ultrasonic metal thickness gauges -Ultrasonic Leak Dectector - Pit Gauges -Coating Thickness Gauges

Dataform Software, L.L.C. 373 US Hwy 46, West; Bldg. E Fairfield, NJ 07004 www.dataformsoftware.com www.dataformsoftware.com John G. Richardson tel: 973-882-8835 x111 fax: 973-882-8836 email:john @dataformsoftware.com Descr: Custom Project Management Software, Plan, Execute Track and manage costs from the field or in the office, worldwide. Products: Planet Customizable Project Manage-neot Software with loagrout survey a interaction ment Software with legacy systems integration. Consultants, Softwa

# Davie Maritime Inc

22 George D. Davie Levis, QueQue G6V8V5 Canada Gilles Gagné tel: 418-837-5841 ext. 2447 fax: 418-835-1017 email:gilles.gagne@davie.ca Descr: Ship and offshore platforms building and Products: Ship Repair, Shipbuilding-Repairs. Maintenance, Drvdocking, Shipvards

# DB Consulting

P.O.Box 9903 Virginia Beach, VA 23450 www.dbconsulting1.com Dottie Bowling tel: 757-463-7329 fax: 757-463-7329 ail:dottiebowling@dbconsulting1.com scr: Technical recruiters oducts: Technical personnel

DC Fabricators 801 W. Front Street Florence, NJ 08518 www.dcfab.com Robert A. Sarraiocco, Business Dev Mgr tel: 609-499-3000 fax: 609-499-4214 email:rasarraiocco@dcfab.com;basmith@dcfab.

com Com Products: Design and build services, gun drilling, tubesheet drilling services, engineerin heat transfer specialists, specialty material fab titanium alloys & duplex stainless steels, Fil-ters/Filter Systems, Heat Exchangers, Marine Equipment

#### DCR Maritime Consultants, Inc. 61 Mart

Houston, TX 77018 ww.DCRMaritime.com Richard Simpson tel: 713-589-3381 email:Info@DCRMaritime.com Descr: Operations Support: Dynamic Positioning / Construction Support / Risk Management Products: Consultants, Marine Engineering, Sal-

Deansteel Manufacturing 111 Merchants St. San Antonio, TX 78204 www.deansteelmarine.com Wolfgang Avery tel: 210-226-8271 fax: 210-226-0913 tax: 210-226-0913 email:sales@deansteel.com Descr: Veteran-owned corporation that is well known in the marine/offshore industry for provid-ing high quality IMO-FTP Code and USCG CFR-46 marine fire doors, frames, and win-dows. Deasteel also offers various types of steel marine berths. Products: Windows, Marine

# DeepSea Power & Light

55 Ruffin F San Diego, CA 92123 www.deepsea.com Erik Goodin tel: 858-576-1261 fax: 858-576-0219 email:sales@deepsea.com Descr: Manufacturer of underwater video and lighting systems. Products: Underwater Video Cameras

# Deluxe Johns Inc.

**Depco Power Systems** 

8123 Hillsboro Aven Houston, TX 77029 www.depco.net Hubert Rigmaiden tel: 713-675-6100 fax: 713-675-6600

email:sales@dep

310 Ash St. New Iberia, LA 70563 John Trappey tel: 337-367-9608 fax: 337-367-2396 email:john.trappey@runningwatersinc.com Descr: Portable Toilet Business Products: Portable Restroom Trailer/ Portable toilets, Sanitation Device- Pollution Control, Mode Wicke Teortmerk

co net

Descr: Sales and service of used, rebuilt and new diesel engines, generator sets, marine gears and related parts

Allen Hundley tel: 805-681-0586 fax: 703-940-7081 fax: 703-940-7061 email:ajh@dpstechnology.com Descr: Sub-bottom Profiling, Sidescan Sonar systems and consulting expertise Products: Sub-Bottom Profiling, Sidescan Sonars and bathymetry, GPS, Marine Electron-

# Dreyfus-Cortney-Lowery Rigging &

Mooring 4500 North Galvez Street New Orleans, LA 70117 www.dcl-usa.com Roland Ross tel: 337-839-0226 fax: 337-839-0229 email:sales@dcl-usa.com email:sales@dcl-usa.com Descr: Rigging, Mooring & Marine Supplies Products: Wire & Nylon Reels & Slings, Anchors & Chains, Fendering Systems/ Buoys - Dock & Vessel, Rope-Manila-Nylon-Hawsers-Fibers

Driveline Service of Portland, Inc. 9041 N.E. Vancouver Way Portland, OR 97211

www.driveshafts.com Kevin McCaffrey tel: 503-289-2264 fax: 503-289-5838 email:Kevin@driveshafts.com Descr: Driveshaft assemblies, parts, and repair Products: Couplings, Propulsion Equipment Shafts

#### Dufour. Laskav & Strouse. Inc.

11811 I-10 East Freeway Suite 240 Houston, TX 77029 www.portlite.com Norm Dufour tel: 713-330-3388 fax: 713-330-3553 email:ndufour@po fax: 713-330-3553 email:ndufour@portlite.com Descr: Marine Surveyors - Hull, Machinery & Cargo Products: Marine Surveying-Hull, Machinery and Cargo, Consultants, Salvage

#### Duramax Marine LLC

17990 Great Lakes Parkway Hiram, OH 44234 www.DuramaxMarine.com Michael Schonauer or Lewis Foster tel: 440-834-5400 fax: 440-834-4950 email:info@duramavmecitax: 440-534-4950 email:info@duramaxmarine.com Descr: Manufacturer of Cutless brand water Iubricated bearings, DuraCooler Keel Coolers, Stuffing Boxes, Shaft Seals, and Dock Bumper Products: Bearing- Rubber, Metallic, Non-Metal-lic, Heat Exchangers, Seals

# Dynamold Inc.

2905 Shamrock Ave. Fort Worth, TX 76107 www.dynamold.com Michael Peck tel: 817-335-0862 fax: 817-877-5203 email:pmpeck@dynamold.com Descr: Manufacturing Products: Moldable epoxy shocks w.dynamold.com

E Paint Company 25 Research Road East Falmouth, MA 02536 www.epaint.net Alex Walsh tel: 800-258-5998 fax: 508-495-3210 mail:ale:velopint.net Descr: Paint and Coatings Manufacturer Products: Antifouling, Coatings/ Corrosion Con-trol/ Paint

# E.V. Burtt Holdings Corp. / Ocean

Scan Systems Box 88, Black Diamond Rd Belleville, Ont. K8N4Z9 Canada Ed Burtt tel: 613-968-3231 fax: 613-968-7190 email:edburtt@kos.net Descr: Marine hardware and surveyors Products: Mfg. of Marine Hardware & Hatches -

# ter survey and equipment sales EcoEnergy Systems Inc.

821 Franklin Avenue - Suite 208 Garden City, NY 11530 www.pyrocool.org WWW.Pytrocoursig John Sexton tel: 516-873-0504 fax: 516-294-6602 email:econrgy@hotmail.com Descr: Provide environmentally responsible fire extinguishing chemical used on large ship fires, rail car fires, Ground Zero and brought to New Orleane by FEMA Orleans by FEMA

# Electronic Marine Systems

800 Ferndale Place Rahway, NJ 07065 www.emsmarcon.co Tom Priola marcon.com Tom Priola tel: 732-382-4344 fax: 732-382-4344 fax: 732-388-5111 email:emsmarcon@aol.com Descr: Automation, Tank Gauging and sensor Manufacturer Products: Tank Gauging, high level/overfill sys-tems manufacturer, Control System- Monitor-ing/Steering, Monitoring Systems

# Elemental Innovation. Inc.

West Caldwell, NJ 07006 www.elementalinnovation.com Justin Bishop tel: 973-227-0145 fax: 973-227-9109 mail jbishop @elementalinnovation.com Descr: Coastal protection through eco-friendly, tunable HALO wave attenuators, erosion protection systems, and security barriers. Products: HALO suite of wave attenuators, erosion control systems and Security Barriers, Marine Equipment, Security

# Ellicott Dredges. Div. of Baltimore

Dredges, LLC 1425 Wicomico S co Street Baltimore, MD 21230 www.dredge.com www.dredge.com Paul Quinn tel: 410-545-0240 fax: 410-545-0240 email:rmanning@dredge.com Descr: Complete line of Ellicott cutterhead "DRAGON"(tm), "SUPER DRAGON" (tm) and Mud Cat(tm) auger dredges. Transportable dredges are available for lease and/or purchase to provide solutions in cleanout of ponds, rivers and exonic and canals. Products: Dredges

# EMCsg Vessel Wrytha

202 Alyce Long Beach, MS 39560 ww.emcsq.com Ed Carlsen tel: 228-863-1772 or 228-806-0545 (cell) tel. 225005-17126-000-0530 (tell) email:ed@emcsq.com Descr: Naval architecture, marine recovery and salvage surveys, field engineers, MS Casino certified Products: Consultants, Marine Engineering, Naval Architects, Marine Engineers

# Emerson Bearing

201 Brighton Avenu Boston, MA 02134 Tel: 1-800-225-4587 Fax: 1-800-252-1996 E-Mail: info@emersonbearing.com Web: www.emersonbearing.com CEO: Steven Katz

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Enduro Composites Enduro Composites 16602 Central Green Blvd. Houston, TX 77032 www.endurocomposites.com Flavio Ortiz tel: 713-358-4000 fax: 713-358-4100 email:sales @endurosys.com Descr: Manufacturer of fiberglass roofing, siding, cable tray and pipe cable tray and pipe Products: Roofing and Siding (Building Materials), Corrosion Control, Electrical Equipment, Pipe Fittings/Cuttings/Connecting/ Systems

# ESI - Equipment & Services Interna-

tional. LLC 5810 Post Road East Greenwich, RI 02818 East Greenwich, RI 02818 www.esilic.cc Pedro Duran tel: 401-884-2893 fax: 866-506-2760 email:sales@esilic.cc Descr: Marine cranes and deck machinery Products: Capstans, Crane - Hoist - Derrick -Whirleys, Windlasses (Anchors)

# F.M.I. Technical Sales Inc. / Prime Air

P.M.I. Iechnical Blowers P.O. Box 2 Ramsey, NJ 07446 www.fmiinc.com Frank Illuzzi tel: 201-327-2014 fax: 201-818-0899 email:sales@fmiinc.com Descr: Marine Portable Blower Distributor

# Fairbanks Morse Engine

701 White Ave. Beloit, WI 53511 Beloit, Wi 53511 www.fairbanksmorse.com Kevin Lidbury - Sales Manager tei: 608-364-4411 fax: 608-364-8417 email:kevin.lidbury @fairbanksmorse.com Descr: Innovative power solutions for electric power generation, marine propulsion, and engi-neered indivistrial anolications. neered industrial applications. Products: Electric Power Generation, Diesel Engine- Spare Parts & Repair, Engines

FCI Watermakers 221 West Dyer Road Santa Ana, CA 92707

Waw (ciwatermakers.com Rose Garcia tel: 714-850-0123 fax: 714-850-0955 email:rose@fciwatermakers.com Descr: Manufacturer of water purification equip-ment Products: Desalination - Reverse Osmosis, Filters/Filter Systems, Water Purifiers

# Fearnley Offshore Supply

One River Way, Suite 1810 Houston, TX 77056 Houston, TX 77056 www.fearnleyoffshore.com Harald Paulsen Lovik tel: 713-629-7072 fax: 713-629-7073 email:hp.lovik@fearnleys.no Descr: Shipbrokers Products: Specialized in offshore supply and support vessels.

# Fluid Mechanics. Inc.

4521 West 160th S Cleveland, OH 44135 www.fluidmechanics.com Tom Schauer tel: 216-362-7800 fax: 216-362-7812

email:tcschauer@fluidmechanics.com Descr: Diesel fuel injection systems, parts and service Products: L`Orange, Woodward (Lucas/Bryce), Duap & Bosch fuel systems,

FRP Resource LLC 119A El Dorado Street Arcadia, CA 910006 www.frpresource.com James Huang tel: 626-698-6151

tel: 626-698-6151 fax: 626-645-2198 email:james@frpresource.com Descr: GLOBALGRID decking widely used in the commercial and private marina industry as the docks(walkways and platforms), gangways, knee brackets and trans plates etc. Products: GLOBALGRID decking

# **GE Commercial Finance**

10900 NE 4th Ave, Suite 500 Bellevue, WA 98004 www.ge-cef.com Steve Isaacson tel: 425-450-1808 email:stephen.isaacon@ge.com Descr: Marine Financial Services Unit of GE Products: All marine and vessel financing prod-ucts and services, Deck Machinery- Cargo Han-dling Equipment, Electrical Equipment, Marine Equipment

# Geislinger Corporation

200 Geislinger Drive Battle Creek, MI 49015 Battle Ofeen, Mi 49015 www.geislinger.com Sabine Mosdorfer tei: 269-441-7000 fax: 269-441-7000 fax: 269-441-7000 bescr: Manufacturer of torsional vibration cou plings and dampers

Generon IGS 11985 FM 529 Houston, TX 77041 www.igs-global.com Ken Beaven tel: 713-937-5200 fax: 713) 937 5250 Inc. / 10 93/ 2200 email:kbeaven@generon.com Descr: Manufacturer Products: Custom designed, on-site generat N2 equipment, Filters/Filter Systems, Marine Equipment

# George G. Sharp, Inc

22 Cortlandt Street, 1 New York, NY 10007 www.ggsharp.com Allen Chin tel: 212-732-2800 fax: 212-732-2809 email: achin@ggsharp.com Descr: Naval architects and marine engineers Products: Ship design, engineering services, naval architects, marine engineers.

# George Sperry Marine Surveys

PO Box 78 Blue Mountain Lake, NY 12812 www.frontiernet.net/~gsperry/ www.frontiernet.ne George Sperry tel: 518-352-7741 fax: 518-352-7741 mail:gsperry@frontiernet.net Descr: We provide damage surveys for boats Products: Marine Surveys (Boat Damage Surveys) Nov-April only

GET Inc. P.O Box 90756 Long Beach, CA 90809 www.get-inc.com Martin Lizer tel: 562-983-7777 fax: 562-983-7777 email:info@get-inc.com Descr: Water Purification Equipment OEM, Reverse Openosis LIV Sterilization Glocol I Reverse Osmosis, UV Sterilization, Glycol Recyclina

cling Products: Glycol Recycling, Desalination -Reverse Osmosis, Waste Water Treatment, Water Purifiers

# Giant Industries, Inc.

900 N. Westwood Avenue Toledo, OH 43607 www.giantpumps.com Monica Ritter tel: 419-531-4600 fax: 419-531-6836 email:mritter@giantour email:mritter@giantpumps.com Descr: High Pressure Pumps and Accessories Products: Desalination - Reverse Osmosis, Pump-Repair-Drives, Water Jet Cleaning

# Glix Products Mfg.

93 N.W. 166th St. Miami, FL 33169 Miami, FL 33169 www.glixprod.com Rebecca/Sales tel: 305-947-4851 fax: 305-949-6620 email:sales@glixprod.com Descr: Manufacturer of marine hardware & washroom specialties Products: Fire & Safety Products, Safety Prod-under Sacity

# Global Project Consultants, Inc.

14800 St. Mary's Lane, Suite 250 Houston, TX 77079 www.globalproject.com www.globalproject.com Charlie Fife tel: 281-759-1650 x 110 fax: 281-759-1650 x 110 fax: 281-759-1744 email:fifec @jobalproject.com Descr: Project/ Construction Management Ser-vices and Consulting for Oil and Gas -Onshore/Offshore Products: QA/QC, Inspection, Procurement, Pro-ied Controls: CA/D/CAM Systems, Consultants, ject Controls, CAD/CAM Systems, Consultants, Marine Engineering

Globalstar 461 S. Milpitas Blvd

Milpitas, CA 95035 ww.globalstarusa.com John Dark tel: 877-SATPHONE email:john.dark@globalstar.com Descr: Satellite Phone and Modem Provider Products: Communications, Marine Electronics, Satellite Communications

# Governor Control Systems 3101 SW 3rd Avenue Ft. Lauderdale, FL 33315 www.govconsys.com Lynn Bell tel: 954-462-7404

email:lynn.bell@govconsys.com Products: Control System- Monitoring/Steering, Marine Electronics, Monitoring Systems

# Great Circle Shipping Corporation

Great Circle Shipping Corporati 3 West Garden Street, Suite 332 Pensacola, FL 32502 www.greatcircleship.com Thomas McCulley tel: 860-429-0510 fax: 860-429-0520 email:calm@greatcircleship.com Descr: Chartering and Logistics Manage Dry Bulk, Breakbulk and Projects

#### Greg Hanchrow Marine Services set Bo

ring,

Valley Cottage, NY 10989 Greg Hanchrow tel: 646-247-4172 email:greg.hanchrow@verizon.net Descr: Project Mgmt; Marine Engineering Products: Consultants, Marine Engineering Navigation

**Griffin Americas** 3646 Greenbriar Houston, TX 77098 www.griffintravel.com Robert Gold el: 713-535-1480 fax: 713-522-6530 email:ops.hou2@griffintravel.com Descr: Specialists in Marine/Offshore Travel

# GS-Hydro

Products: airline travel

16405 Air Center Blvd., Suite 400 Houston, TX 77032 Www.gshydro.com Doug Cooper tel: 281-209-1000 fax: 281-209-2905 email:doug.cooper@gshydro.us Descr: Non-Welded Piping

# Guascor 143 Mallard St.Ste.F St.Bose, LA 70087

vw.guascor-usa.com Kelly Lacy-General Manager tel: 504-461-3801 fax: 504-461-3806 email:kglacy@earthlink.net Descr: Diesel & Gas Engine Manufacture Products: Reduction Gears and Generators

Gulf Harbor Shipping, LLC 2000 Old Spanish Trail, Suite 100 2000 Old Spanish Trail, Slidell, LA 70458-8604 www.gulfharbor.com Daryl H. Van Derwood tel: 985-661-8005 fax: 414-921-5013 email:mail@gulfharbor.com Descr: Steamship Agents:

# Gulf Logistics & Projects Co. Inc. 9610 Long Point Road, Suite 330 Houston, TX 77055

Houston, TX 77055 www.glpamerica.com Capt. JD. Kim or Don Johnson tei: 713-973-8865 fax: 713-973-8864 email:kim@glpamerica.com Descr: Project transport, heavy lifts to site Products: Freight transportation, SBA: HUBZ, 8(a), SDB. 8(a), SDB.

#### H & J Services Inc. 4249 CB 571

West Columbia, TX 77486 hjservices@earthlink.net Thayer A Reeves tel: 866-386-5100 (Toll Free) or 832-545-8044 tel: 866-386-5100 (Toll Free) or 832-545-8044 (Cell) fax: 979-345-3651 email:hjservices @ earthlink.net Descr: Electrical Contracting, Generator and Motor Repair Products: General Electrical installation and Repair, Motor Control Installation and Repair, Generator / Motor, Removal, Repair / Rewind and Installation, Communications, Electrical Equipment, Lighting Systems/ Equipment

# H.M.S. Communications. Inc.

P.O. Box 701156 Houston, TX 77027 Houston, TK 77027 www.donegal-holdings.com Richard L Halferty II tel: 832-660-5103 fax: 713-862-6252 email:sales@donegal-holdings.com Products: Communications, Marine Electronics, Satellite Communications

# Hallsten Corporation P. O. Box 41036 Sacramento, CA 95841 www.hallsten.com John Hallster tel: 916-331-7211 fax: 916-331-7223 email:jhallsten@hallsten.com Descr: Manufacturer of Alum Gangways and Docks Products: Aluminum Gangways and Aluminum Boat Docks

Hanko's Metal Works Inc.

Morgan City, LA 70380 Hank Jr. tel: 985-385-3310 email:hanko@hankos.com Descr: Honda dealership, custom built boats, and custom aluminum products Products: Aluminum Boats, Marine Equipmen Propulsion Equipment fax: 985-385-4212

Hudson Marine Management Services 4350 Haddonfield Road SUite 302

email:john.devine@hmms-usa.com Products: Safety and Security, Consultants, Safety Products, Security

Descr: Marine and Oil Spill Response Equip-

Products: Water and wastewater treatm equipment, Marine Equipment, Oil Spill Response

4350 Haddonfield Road Pennsauken, NJ 08109

Hyde Marine, Inc. 28045 Ranney Parkway Cleveland, OH 44145 www.hydemarine.com

email:info@hydemarine.com

Hydra-Dynamics, Inc.

tel: 936-273-2882 fax: 936-273-2883

19 Wrenfield Place The Woodlands, TX 77384-4696 www.hdieng.com J C Miller

Hydraulic Systems Ltd

22 Sudbury St St.John`s, NF A1E 2V1

Hydro-Watt, Inc.

Bearings/ Bushes

Marine Engineers

ImpactWeather. Inc.

8787 Tallyho Rd. Houston, Texas 77061

Ideal Technical Services

26148 Capital Drive, Suite B Daphne, AL 36526

22792 State Highway 20 Nevada City, CA 95959

email:sales@hdieng.com Descr: Marine cylinders and systems Products: Hydraulic cylinders, Consultants, Steering Gears/ Steering Systems

SLJohn's, NF A1E 2V1 Canada www.hydraulic-systems.com Eddy Knox tel: 709-726-3490 fax: 709-726-3729 email:eknox@hydraulic-systems.com Descr: manufacturer, services provider Products: Crane - Hoist - Derrick - Whirleys, Lifesaving Equipment, Winches & Fairleads

Nevada City, CA 95959 www.hydro-watt.com Michael Wedel tel: 530-265-5099 fax: 530-265-5099 fax: 530-265-9411 email:mike@hydro-watt.com Descr: Marine and Pump Bearings Systems, Pump and Steam Turbine Reapir Products: Bearing- Rubber, Metallic, Non-Metal-lic, Rudder Bearings & Bushes, Stern Tube Bearings/ Bushes

Dapnne, AL 36526 www.ideal4u.com Lynn Hochradel tel: 800-370-8495 x3025 fax: 800-264-6702 email:Ihochradel@ideal4u.com Descr: Marine Edaffing Firm - Engineers, Naval Architects, Marine Engineers Products: Marine Engineers Products: Marine Engineers

Tel: (877) 792-3220 Toll free Tel: (713) 378-2720 Houston Metro • Fax: (713)

Iet: (13) or 67 comments 943-4645 E-mail: marellano@imapctweather.com • http://www.impactweather.com For more information, contact: Mike Arellano Industry Manager, Offshore/Marine

ImpactWeather provides accurate and timely marine weather information - a key component of the decision-making process. Whether you're sailing across the Atlantic, or managing a

weather-sensitive project, our comprehensive worldwide marine weather forecasts can provide the critical information you need to operate safe-ly and efficiently in any marine environment.

Imperial Quality Machining

nail:captaincarl@imperialguality.com

Descr: Machine shop Products: 8 Way Adjustable Engine Mounts

Impulse Enterprise 8254 Ronson Road San Diego, CA 92111 www.impulse-ent.com Andy Gardner tel: 888-685-7050 fax: 888-685-1649 email:andyg@impulse-ent.com Descr: Manufacturer of harsh environment elec-trical connectors and cable assemblies Preducts: Electrical Equipment Marine Equip

Products: Electrical Equipment, Marine Equip-

Newport, HI 02840 www.infraredboat.com Mark Ashton tel: 401-965-2594 fax: 401-842-6831 email:imsys@earthlink.net Descr: Yacht Surveyors and Consultants. Marine Thermography/Infrared Surveying

Independent Marine Systems

Industrial Power Systems, Inc.

1455 Corey Way South St. Petersburg, FL 33707 www.imperialquality.com Capt. Carl F. Schlemmer tel: 727-347-1382 fax: 727-347-1382

Impulse Enterprise

ment

580 Thames Street

Newport, RI 02840

3010 Powers Avenue Jacksonville, Fl 32207 Glenn Beaupre tel: 904-731-8844

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www.hydemarine.c Tom Mackey tel: 440-871-8000

fax: 440-871-8104

www.hmms-usa.com

tel: 856-486-0800

fax: 856-486-0081

John Devine

Hans Wilson & Assoc. Inc. Hans Wilson & A 1938 Hill Ave. Ft. Myers, FL 33901 www.hanswilson.con Hans Wilson tel: 239-334-6870 fax: 239-334-7810 email:hans@hanswilson.com Descr: Environmental Consulting and Marine Engineering Products: Consultants, Marine Engineering, Shipyards

Hansard Security Services The Baltic Exchange, 38 St Mary London, EC3A8BH UK www.hansardsecurity.com iry Axe Tim Barker tel: +44 [0]20 7283 5076 fax: +44 [0]20 7626 0733 tax: +44 (p)20 / 620 0733 email:services@hansardsecurity.com Descr: Security Services Products: Strategic assessment and advice. Maritime Security surveys and implementation, Consultants, Security, Training

# Hayn Enterprises LLC

51 Inwood Road Rocky Hill, CT 06067 www.havn.com www.hayn.com Andy Colloton tel: 800-346-4296 fax: 800-441-4296 nail:marine@hayn.com Descr: State-of-the-Art manufacturer of rigging and lifeline hardware including the Hi-Mod mechanical rigging terminals. Also specializing in architectural, safety, and fall-protection hardware Products: Rigging, lifeline, safety, and fall-protec-tion equipment, Marine Equipment, Safety Prod-ucts

Henry Marine Service Inc. 12 Craig Avenue Staten Island, NY 10307 Dorothy E. Julian tel: (718) 966-6193 fax: (718) 966-6193 Hax. (7 10) 906-6193 email:henrymarine@s.rr.com Descr: Tugboat services - Marine transportation Products: Tugboat services - marine transporta-tion, Marine Equipment, Propulsion Equipment, Salvage

**Hiller Companies** 3751 Joy Springs Drive Mobile, AL 36693 www.hillercompanies.co Daniel Romanchuk tel: 251-661-1275 fax: 251-661-5340 nanchuk@hillercompanies.com Descr: Fire Suppression and detection; Flooring Products: Fire & Safety Products, Marine Deck-ing & Flooring, Safety Products

Hillmann Maritime, Inc. PO Box 4304 Silver Spring, MD 20914 Fred Hillmann tel: 301-622-1120 fax: 301-622-9715 email:fredhillmann@att.net Descr: Marítime Consultant Products: Consultants, Naval Architects, Marine Engineers

#### Horizon Reverse Osmosis P.O. Box 546

Carson, CA 90745 www.hrosystems.com www.hnosystems.com AJ Paulus tel: 310-631-6300 fax: 310-631-6395 email:audrey@hrosystems.com Descr: Marine reverse osmosis desalinators Products: Desalination - Reverse Osmosis, Marine Equipment, Water Purifiers

#### Houston Marine Consultants

4509 Maple St Bellaire, TX 77401 www.grovemovie.com Mukul H. Advani tel: 713-592-9867 fax: 713-592-0244 tax: 713-592-0244 email:hmctv@ev1.net Descr: Marine Surveys, Consulting, Marine Insurance Claims Handling, Port Engineering, Cargo Surveys, Machinery Surveys, Dry-docks Products: Marine Surveys, Consulting, Marine Insurance Claims Handling, Diesel Engine-Spare Parts & Repair, Marine Engineering, Naval Architects, Marine Engineers

Houston Marine Services, Inc. 363 N Sam Ho te #890 Houston, TX 77060 ww.hmsfuels.com Ed Grimm III tel: 713-868-2000 fax: 281-445-8881 tax: 201-449-5001 email:ed.grimm@hmsfuels.com Descr: Stores and blends marine fuels for sale and delivers by truck and barge along the Texas and Louisana Gulf Coast Products: Marine Diesel and Lubes Hovertrans, Inc 333 N.Sam Houston Houston, TX 77032 www.hovertrans.cor Jim Ireland tel: 281-582-8994 email:jim@hovertrans.com Descr: Air cushion systems Products: Hovercraft

# MarineNews' Gulf of Mexico Resources Guidebook

# email:glenn@ipsjax.com Descr: Marine switchboards and controls

# **INTEK Technology**

3945 University D Fairfax, VA 22030 www.intektechnol chnology.com James William tel: 866-273-1177 fax: 703-995-4635 email:jwilliams@intektechnology.com Descr: Specialty Chemicals Products: Environmentally safe cleaning chemi cals, degreasers, electrical systems cleaners

# IntelliStaff, Inc.

5241 Magnolia Terrace Fruitland Park, FL 34731 Kevin Grondahl tel: 352-315-9912 tel: 352-315-9912 fax: 352-315-9952 email:intellistaff@earthlink.net Descr: Specialize in the search and placement of Boat/Yacht manufacturing/engineering personnel Products: IntelliStaff, Inc. is your personnel resource center for experienced boat/yacht builders, managers, and engineers

# Interface Protective Coatings

Interface Protective Coatings 655 Langham #10 Beaumont, TX 77707 www.nocorrode.com Mark McCoy tel: 409-835-6888 fax: 409-835-6889 email:mmccoy@exp.net Descr: Coatings / waterproofing / roofing Products: Spray on waterproofing, coatings, polyurea, spray foam insulation, , Coatings/ Cor-rosion Control/ Paint, Corrosion Control, Insula-tion

# International Boatlift Exchange, Inc.

510 Sportsman Park Dr Seffner, FL 33584 www.ibeglobal.com James Alfieri tel: 813-653-4390 fax: 813-653-4399 email:ibe@tampabay.rr.com Descr: New and used Boat Moving Equipment sales and service. Specializing in Travel Hoists and Marine forklifts from 10,000 lb. to 900 metric

tons. Products: Mobile Boat Hoists, Marina Forklifts, Travelifts, Hydraulic Boat Transporters, Crane -Hoist - Derrick - Whirleys, Marine Equipment

International Flooring & Protective

International Flooring & Protective Coatings, Inc. 4675 E. Princess Anne Rd. Nordik, VA 23502 www.internationalflooring.com R. Stephen Solomon tel: 757-855-5286 fax: 757-855-5980 email:ssolomon@internationalflooring.com Descr: marine decking, blasting, painting, coat-ings, other various flooring products Products: Marine Decking & Flooring, Surface Prep Tools, Water Jet Cleaning

# InterPlan Systems Inc.

P.O. Box 590131 Houston, TX 77259 Houston, TX 77259 www.interplansystems.com/ Bernard Ertl tel: 1-281-482-1796 fax: 1-281-648-1821 email.info@interplansystems.com Descr: Offres FlaskMaker project planning tool for ship maintenance projects. Products: Computer/Computer Software, Ship-building-Repairs, Maintenance, Drydocking, Software Software

ITW American Safety Technologies

679 Anita Street, Suite A Chula Vista, CA 91911 Chula Vista, CA 91911 www.ilwast.com C. J. Heard tel: 619-575-0590 fax: 619-575-0592 email:astro:/@pacbell.net Descr: MILSPEC Interior/Exterior Deck Coatings Products: Coatings/ Corrosion Control/ Paint, Marine Decking & Flooring

# ITW Philadelphia Resins

Montgomeryville, PA 18936 www.chockfas Stan Nelson chockfast.con tel: 215-855-8450 fax: 215-855-4688 email:stan.nelson@itwprc.com Descr: Manufacture Epoxy Produ Products: Epoxy Chocking Materi

J A Moody Equipment Specialists 589-1 Levy Road Atlantic Beach, FL 32233 www.jamesi.com Jonathon Hogue tel: 904-247-1041 fax: 610-647-3833 email:j.hogue@jamesi.com Descr: stocking distributor marine valves/actua-

# Products: valves, actuators

Japan Radio Company ,Ltd 1021 SW Klickitat Way, D-101 Seattle, WA 98134 Seattle, WA 98134 www.jrcamerica.com Patricia Beth Barker tel: 206-654-5644 fax: 206-654-7030 email:tbarker@jrcam Descr: JRC is an ISO 90001/14001 manufactur er of marine electronics; Inmarsat satellite, Com munications, GMDSS systems, Navigation, AIS, VDR, ECDIS SART, DGPS, GPS, GPS

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Comapss, EPIRB and Sonar Products: AIS, VDR, Marine Electronics, Nav/Comm Equipment, Satellite Communica

# Jarrett Bay Boat Works Inc.

Beaufort, NC 28516 www.iarrettbav.com Jeff Fulcher tel: 252-728-2690 ext.231 fax: 252-728-2607 tax: 252-728-2607 email:fulcherj@jarrettbay.com Products: Full Service Repair facility for vessels of 30° beam to 120° long or 220 tons, Boat-builder, Shipbuilding-Repairs, Maintenance, Dry-distance.

# Jefferson Diesel Specialists Inc.

3691 Vonnie Dr. Harvey, LA 70065 www.jeffersondiese Steve Jones al com Steve Jones tel: 504-340-5162 fax: 504-340-5574 email:sales@jeffersondiesel.com Descr: Diesel fuel injection repair

# JHRG LLC

PO Drawer D 303 S. Pine Street Spring Hope, NC 27882 www.hsarmor.com Dan Nathan tel: 800-849-4997 fax: 252-278-4998 email:dnathan@hsa Descr: Makers of Supreme Protector Covers -World`s Strongest Fabric Products: Chafe Protection; High Performance fabrics to tarps and deck gear covers, Corrosion Control, Deck Machinery- Cargo Handling Equipment, Salvage

# John Sabella & Associates, Inc.

805 W Emerson St Seattle, WA 98119 www.johnsabella.co Elizabeth Bowman tel: 206-281-8626 fax: 206-217-0899 email:info@johnsabella.com Descr: Edu cational Media Products: Maritime Security Series. Onboard Basic Safety Training Program, Maritime Medical Emergencies Training, Onboard First Aid Train-ing, Marine Survival Equipment Training,

# John W. Gilbert Associates, Inc.

75 Terry Drive Suite 200 Hingham, MA 02043 inbox @jwgainc.com Christine Gaffney tel: 781-740-8193 fax: 781-740-8197 tax: /x81-/40-819/ email:cgaffney@jwgainc.com Descr: Naval Architect/Marine Engineering Products: Naval Architecture/Marine Engineer ing, Consultants

# Julian A McDermott Corp.

1639 Stephen Street Ridgewood, NY 11385 Vernon McDermott Vernon McDermott tel: 718-456-3606 fax: 718-381-0229 email:vernon@mcder John Boc tel: (800) 842 5708 fax: (718) 381-0229 email:sales@mcderm Descr: Manufacture1 nottlight.com . rmottlight.com Descr: Manufacturer lights, solar, battery, navi-Products: Buoys, Buoy lights, Navigation lights, Barge lights, Anchor lights, Lighting Systems/Equipment, Safety Products

# JW Fishers Mfg.

1953 County Street East Taunton, MA 02718 www.jwfishers.com Christopher Combs tel: 508-822-7330 fax: 508-880-8949 email:iwfishers@aol.com or info@iwfishers.com email;whishers@aol.com or into@jwhishers.com Descr: Manufacturer of complete line of under-water search equipment including underwater metal detectors, marine magnetometers, under-water camera systems, and side scan sonars. Products: Underwater search equipment, Marine Equipment, Salvage, Security

Karl Senner, Inc.

25 west 3rd St. Kenner, LA 70062 www.karlsenner.com Michael Senner tel: 504-469-4000 fax: 504-464-7528 email:sales@karlsen ner.com Descr: Distributor of Reintjes Marine transmis-sions, BERG CPP systems and Steerprop Propulsers Propulsers Products: Turbocharger repairs, Marine Equip-ment, Propulsion Equipment

# Katrina Marine Housing

578 Azalea Ave NE Bainbridge Island, WA 98110 apeters@mindspring.com Andrew Peters tel: 206-855-2880 fax: 206-855-2880 email:apeters@mindspring.com Descr: Small Cruise Ship Ideal for Workers and Managers Products: 16 Cabin Small Cruise Ship with galley, lounge, dining room, salon and crew

# Ken's Marine Service Inc.

 Ref S
 Marine
 Ser

 116
 East 22nd Street
 Bayonne, NJ 07002

 Ken Poesl
 tel: 201-339-0673
 fax: 201-339-8029

email:ampd@kensmarine.net Descr: Marine oil spill response company

# Kennedy Ship andRepair

6200 Harborside Galveston, TX 77554 www.kennedyship.con Chris Kenned tel: 409-744-5505 fax: 409-744-5088 email:kennedyshiprpr@aol.com Descr: New construction and refit vessels up to 300 fi 300 ft Products: Ship Repair, Shipbuilding-Repair Maintenance, Drydocking, Shipyards

Kerwin Naval Architects, Inc. 1460A S.E. 15th St. Fort Lauderdale, FL 33316 www.kerwinnavalarchitects.com Kevin M. Kerwin tel: 954-524-9013 fax: 954-524-9013 mail:kevin@kerwinnavalarchitects.com Descr: Naval Architecture & Marine Engineering firm Products: Consultants, Marine Engineering, Naval Architects, Marine Engineers

# Kilgore Marine LLC

1819 W Pinhook, Ste. 109 Lafayette, LA 70508 www.kilgoremarine.com Charlie Kilgore tel: 866-4KILGORE fax: 337-232-5581 Iak. 537-252-556 email:chalie@kilgoremarine.com Descr: Marine Transportation Specialists Products: Offshore Supply Vessels; Crewboats, Utility Boats, Supply Boats, Lift boats, etc., Brokers, Consultants

# Kings Point Machinery, Inc.

9936 Gould Street Oakland, CA 94603 www.kingspointmachinery.com Don Westfall tel: 510-638-2712 tel: 510-638-3339 email:kingspointm email:kingspointmachinery@yahoo.com Descr: OEM Vent Check Valves, Deck Drains, Scupper Valves, Deck Connections, Handwheels Products: Inverted Vent Check Valves, Deck Drains, Scupper Valves, Deck connections, Handwheels, Marine Decking & Flooring, Venti-lation Systems / Products

# Knight Safety Coatings Company

P.O Box 2248 Carolina Beach, NC 28428 www.knightsafetycoatings.com David Tilley tel: 910-458-3145 email:admin@fryingpantower,com Descr: Epoxy Based Coatings

#### Kobelco Eagle Marine, Inc. e, Suite 712 366 Fifth

New York, NY 10001 www.kobelcoeagle.com David Hawkins tel: 212-967-5575 email:hawkins@kobelco-eagle.com Descr: Seal & Bearing Maker Products: Oil & Water Seals and Metallic and Non-Metallic Bearings, Bearing- Rubber, Metal-lic, Non-Metallic, Rudder Bearings & Bushes, Seals fax: 212-967-6966

Kongsberg Maritime 7225 Langtry Street suite Houston, TX 77040 et suite 700 www.km.kongsberg.com Arnt Olsen tel: 713 934 8885 fax: 713 934 8886 Iax: 713 934 8986 mail:aclos@kongsberg.com Descr: Marine Electronics Products: Acoustic positioning, Multibeam, Ves sel control systems, navigation and motion sys tems, Autopilot Systems, Marine Electronics, Navigatio

# L-3 Communications Infrared Prod-

ucts 13532 N. Central Expressway M/S 37 Dallas, TX 75243 www.thermal-eye.com Michael Studer tel: 800-990-3275 fax: 972-344-4222 email:irinfo@irp.L-3.com Descr: Products are high quality, uncooled infrared camera cores and finished products. Products: Fire & Safety Products, Safety Prod-

LADD Industries 4849 Hempstead Station Dr Kettering, OH 45429 www.laddinc.com mer Se tel: 800-223-1236 fax: 937-438-9755 email:sales@laddinc.com Descr: Exclusive authorized distributor of Deutsch IPD environmentally sealed electrical connectors for use in harsh environments and critical applications. Products: Electrical Connectors

# Lake Champlain Transpotation Com-

Lake Champlain Transpota pany King Street Dock Burlington, VT 05401 www.ferries.com Heather Stewart tel: 802-864-9804 fax: 802-864-9804 fax: 802-864-6830 email.LCT@ferries.com Descr: Year-round ferry company Products: Ferries

Lake Erie Diving, Inc. 362 Blackbrook Road Painesville, OH 44077 Patrick Murphy tel: 440-352-9472 fax: 440-352-8471 email:pmurphy@lakeeriediving.com Descr: Commercial Diving & ROV Services Products: ROV-Remotely Operated Vehicles

# LANTEC Winch & Gear Inc.

5827 Production Way Langley, BC V3A 4N5 Canada Canada www.lantecgear.com Jeff Lambert tel: 604-530-0737 fax: 604-530-2889 email:sales@lantecgear.com Descr: Manufacturer Products: Winches, Crane Hoists, Planetary Reducers, Crane - Hoist - Derrick - Whirleys, Deck Machinery- Cargo Handling Equipment Winches & Fairleads

# Leistritz Corporation

165 Chestnut Street Allandale, NJ 07401 Allandale, NJ 07401 www.leistritz.corp.com/pumps Jeffery De Vaul tel: 201-934-8262 x 21 fax: 201-934-8266 email:staff@leistritz.corp.com Descr: Leistritz manufactures screw pumps variety of configurations, as well as Multiphe Pumps and Centrifugal Pumps. Durdutels: Pump Durson: Utilisheas Pumps Products: Screw Pumps, Multiphase Pumps, Centrifugal Pumps

Lewis International Shipping Limited 228 Lakeshore Road West P.O. Box 59526 Mississauga, Canada

# Canada www.lewiship.com Glenn Lewis tel: 905-891-7700 fax: 905-891-0522 email:glewis@lewiship.com Descr: Specialized mover of heavy lift and oversized cargo

# LGA Engineering - Marine Services

LGA Engineering Division 750 Vassar Avenue Lakewood, NJ 08701 www.birdsall.com Andrew Raichle, P.E. tel: 732-961-2162 X5030 fax: 732-961-2162 email:awr@lgaeng.com Descr: Marine Engineering and Hydrographic Surveying Products: Consultants, Marine Engineering, Naval Architects, Marine Engineers

# Liberty Ship Building Inc.

837 W 13th Street Rivieria Beach, FL 33404 www.libertyyachts.com Joe Corvelli / Jamie Smith tel: 561-842-2261 fax: 561-842-0540 email:ioecorvelli@libertvvachts.com Descr: Ship Building and Repair Products: Boatbuilder, Ship Repair, Shipbuilding-Repairs, Maintenance, Drydocking

Lister Chain & Forge, Inc. 3810 Loomis Trail Road Blaine, WA 98230 www.listerchain.com M. Stobbart tel: 360-332-4323 fax: 360-332-4247 email:inquiries@lister tax: 360-332-4247 email:inquiries@listerchain.com Descr: Manufacturer of marine chain and com-ponents including Stud Link Chain, Mooring Chain & Buoy Chain

# Llovd's Register Americas. Inc.

1401 Enclave Parkway, Suite 200 Houston, TX 77077 Houston, TX 77077 www.lr.org Tim Protheroe, VP, Marine tel: 281-675-3100 fax: 281-675-3139 email:americas-marine@lr.org Descr: Independent risk management organiza-tion, focusing primarily on classification of ships which sets standards of quality and reliability during their design, construction and operation Products: Ship surveyors, Consultants, Naval Architects. Marine Engineers Architects Marine Engineers

email:Imc@snip.net Descr: Manufactures marine Bells, Deck drains,

Hose valves Products: Fire & Safety Products, Marine Equip-ment, Pipe Fittings/Cuttings/Connecting/ Sys-tems

Lonseal Inc 928 E. 238th Street Carson, CA 90745 www.lonseal.com

# Lobell's Custom Boats 16553 Airline Hwy; P.O.Box 340 Prairieville, LA 70769

# www.lobellsboats.com Schofield Lobell tel: 225-673-6646 fax: 225-673-8505 email:lobell@eatel.net

Descr: Boat builder Products: Aluminum Boats, Boatbuilder Loeffler Corporation 201 E. Lincoln High Penndel, PA www.loefflercorp.cor ercorp.com Joseph Loeffle tel: 215-757-2404 fax: 215-757-7105

Kinjal Husges tel: 310-830-7111 fax: 310-830-9986 email:info@lonseal.com Products: Flooring products

M & I Systems, Inc. o North Seattle, WA 98103 www.mandisvstems.com Dick Biles tel: 206-547-7899 tel: 206-347-7895 email:Dick@mandisystems.com Descr: Marine electrical panels & equipment Products: Electrical distribution panels, Control System- Monitoring/Steering, Electrical Equip-ment, Monitoring Systems Marin Mätteknik AB

Nya Varvet, Byggnad 84 V.Frölunda, VGL SE42671 Sweden

www.mmtab.se Anders Höfnell

tel: +46(0)31-695280

fax: +46(0)31-695290

email:anders.h@mmtab.se

2010 Hwy 190W Suite 114 Livingston, TX 77351 Garry Broussard tel: 936-646-3419

tems, Ship Repair

docking

ment

P.O. Box 68

bow thrusters, winches

Inc., 111 East Loop North

Houston, TX 77029

Alton Landry tel: 713-678-7711 fax: 713-678-4839

PO Box 10490 Jefferson, LA 70181 www.marineinteriorsy

Adam Rodgers tel: 985-801-2202

fax: 985-875-9297

www.marinesonic.cor John C. De Mille

tel: 804-693-9602

www.txgulf.org

Marine & Industrial Controls

Descr: Marine bathymetrical and geophysical survey, littoral and offshore Products: Marine survey, Consultants, Naviga

tel: 330-540-3419 fax: 801-406-3365 email:micontrols@earthlink.net Descr: Electrical Electronic Controls Service Engineeering and commissioning

Products: Marine Engineering, Monitoring Sys-

Marine Contractors Inc 105 Century Drive, Port Ambridge Industrial

105 Century Drive, For Amonage indecess. Park Ambridge, PA 15003 Harry E. Zubik tei: 412-580-4992 fax: 724-266-2807 email:h.zubik@att.net Descr: Heavy construction rivers and lakes Products: Marine Engineering, Marine Equip-ment, Shipbuilding-Repairs, Maintenance, Dry-rlocking

Marine Electronics Solutions. Inc.

New Orleans, LA 70123 www.mes-solutions.net Clay W Mazyck, Jr. tel: 504-734-2040 fax: 504-734-0660 email:sales@mes-solutions.net Descr: Command, Control, Computers, Intelli-gence, Surveillance & Reconnaissance (C4ISR) System Integrator Products: Waring Electronics, Nav/Comm Equip.

Products: Marine Electronics. Nav/Comm Equip-

www.MarineEnvironmentalMgmt.com Stu Millen tel: 215-491-0543 fax: 215-491-0566 email:Stu @MarineEnvironmentalMgmt.Com Descr: Microbial based products for degradation of hydrocarbon based compounds; OWS- friend-ly technology; also manufacture a portable filtra-tion unit for on-site filtration of systems such as how threters winches

Products: Oil Spill Response, Sanitation Device

tax: 713-678-4839 email:alandry@tsgulf.org Descr: MAST - Marine Activity Planning System Products: Direct Communication and Information Services for Vessel & Terminal Operators, Communications, Monitoring Systems, Security

systems.com

email:arodgers@marineinteriorsystems.com Descr: Full service joiner contractor Products: Air conditioning & Refrigeration, Insu-lation, Interiors

Marine Interior Systems, LLC

Marine Sonic Technology, Ltd PO Box 730 White Marsh, VA 23183-0730 www.marinesonic.com

email:idemille@marinesonic.com

Marine Technologies Inc

3437 9th Street Baltimore, MD 21225 www.marinetechnolog Pat Donovan

· 410-355-2000

P.O. Box 440700 Houston, TX 77244

Mariner. LLC

fax: 410-355-0025

Descr: Manufacture of High Resolution Side

Scan Sonar systems, Sea Scan"¥ PC Products: Sea Scan PC, Side Scan Sonar, Elec-trical Equipment, Marine Equipment

chnologiesinc.com

nail:pdonovan@marinetechnologiesinc.com

Descr: Diving & Marine Construction Products: Marine Equipment, Salvage

Marine Transportation Consultants

Houston, 1 x //244 www.tug-barge.com Richard tel: 281-556-9876 fax: 281-556-6789 email:marineconsultant@sbcglobal.net Descr: Hotel and cruise ships for charter and

Products: Hotel, cruise, and car-passenger

Pollution Control, Waste Water Treatmen

Marine Exchange of the West Gulf

Marine Environmental Mgmt., LLC

Warrington, PA 18976 www.MarineEnvironmentalMgmt.Com

901 Edwards Avenue, Suite 400 New Orleans, LA 70123

# Mack Boring & Parts Company

2365 Route 22 Union, NJ 07083 www.mackboring.com Stacy Dersh tel: 800-MACK-ENG fax: 800-MACK-FAX fax: 800-MACK-FAX email:info@mackboring.com Descr: Distributors of premium marine and industrial engines, generators, transmissions, pumps, and other related products. Products: Dised Generators, Diesel Pumps, Marine Transmissions, , Diesel Engine- Spare Parts & Repair, Engines, Training

# Maine Monolite

P.O. Box 276 Topsham, ME 04086 Chris Hendrick tel: 207-504-4124 fax: (207) 725-6344 Tax: (20/) 725-6344 email:chendricks@mainemonolite.com Descr: marineexpediters@cox.net Products: Composite Habitation and Support FunctionTrailers, Composite Boats, Composite Buoys, Aluminum Boats, Boatbuilder

# Makai Ocean Engineering

Makai Ocean E P.O. Box 1206 Kailua, HI 96734 www.makai.com Reb Bellinger tel: 808-259-8871 fax: 808-259-8238 tax: 808-259-8238 email:reb.bellinger@makai.com Descr: Ocean Engineering Products: Ocean outfalls, marine pipelines, coastal engineering, Consultants, Display Tech-nology

# Malin Construction Company

320 77th Street Galveston, TX77554 www.smith-hamm.com William "Buzzy" LeGate tel: 409-740-3314 fax: 409-740-7218 nail:buzzyl@smith-hamm.com Descr: Marine and Industrial fabrication and construction Products: Riding Repair Crews (Port to Port), Ship Repair, Shipbuilding-Repairs, Maintenance, Drydocking

MAMAL, Inc 13919 River Road Suite 200 Luling, LA 70070 www.mamalus.biz tel: 985-331-0648 fax: 985-331-0562 mail:mtsr@itstrack.com Products: Crane - Hoist - Derrick - Whirleys, Deck Machinery- Cargo Handling Equipment, Water Jet Cleaning

# Manning Electric, Inc.

154 27th Street Brooklyn, NY 11232 www.manning-electric.coo Anthony Menditto tel: 718-832-2488 fax: 718-832-2493 email:amenditto@manning-electric.com Descr: Marine Electrical Supplies Products: Marine Lighting, Electrical Equipment, Galley Equipment, Horns/Whistles

Terry Marathonitis tel: 504-433-5311

fax: 504-433-5305

Coupeville, WA 98239

www.marcon.com

tel: 360-678-8880 fax: 360-678-8890

Bob Beegle

MAR, Inc. 1803 Research Boulevard, Ste. 203 Rockville, MD 20850 www.marinc.com WWW.MRITIR.com Linda Klages tel: 301-230-4576 fax: 301-230-4597 email:Iklages@marinc.com Products: Computer/ Computer Software, Marine Electronics, Marine Engineering

# Marathon Tech International. Inc 5811 Rhodes Ave New Orleans, LA 70131 www.marathon-tech.com

email:terry@marathon-tech.com Descr: Information technology specialists. Cus-tom built servers and workstations. eNOAD spe-cialists

cialists. Products: Computers, Monitors, Printers, Net-working equipment, eNOAD solutions, consult

working equipment, eNOAD solutions, consul ing, Computer/ Computer Software, Software

Marcon International, Inc.

email:info@marcon.com Descr: Shipbroker specializing in towing & off-shore petroleum

Houma, LA 70363 www.marinershipyard.com www.marinershipy G. Stansbury tel: 985-223-3395 email:info@marinershipyard.com Descr: Shipbuilding, Marine Construction, Ship Repair Hepair Products: Barges, Cargo vessels, Crewboats, Tugboats, OSV, Jack-up barges, oilfield, Boat-builder, Shipbuilding-Repairs, Maintenance, Dry-docking, Shipyards

#### MarineSafety International, inc.

warine Air Terminal, LaGuardia Airpor Flushing, NY 11371 www.marinesafety.com CAPT Fred Bronaugh, USN (Ret.) tel: 800-341-1353 or 401-849-0222 fax: 401-849-9264 email:Fred.Bronaugh@MarineSafety.com Descr: Simulator Training & Research Products: Consultants, Simulation Training,

#### **Maritime Casino Systems**

3106 Post Office Box 93092 Las Vegas, NV 89193 www.casinoclassifi Glenn Tredwell tel: 702-273-6657 fax: 702-451-5865 email:maritime-cas sino@cox.net Descr: Reconstructive systems, licensed public vorks Products: Licensed public works contractor. CAD/CAM Systems, Computer/ Computer Soft-ware, Display Technology

#### Maritime Claims-Americas, Inc.

400 Poydras Street 30th Floor New Orleans, LA 70130 ns.com www.maritime-claims.co AntonioJ. Rodriguez tel: 504-289-2123 fax: 985-781-8809 email:jcruz@frc-law.com Descr: Maritime Claims adjusting for P & I Clubs, insurance, owners and other clients Products: Maritime Claim Services

#### Maritime Compliance International

10800 Clay Road, Suite 5207 Houston, TX 77041 nplianceinter Kevin P. Gilheany tel: 281-433-4782 fax: 504-367-3308 email:info@marcomint.com Descr: Safety/security regulatory compliance consulting, audits, surveys and training. Products: Marine surveying and regulatory com-pliance audits, Consultants, Training

#### Maritime Diesel Electric Inc.

10308 W McNab Road Tamarac, FL 33321 Themis Giachos Sr. / Jorla Soller tel: 954-597-7602 fax: 954-597-7608 email:maritimediesel@aol.com Descr: Marine Equipment Distributor and Manu-facturer Representative Products: Flowmeters, Marine Equipment, Ship Repair

#### Maritime Partner AS

waritume Partner AS Notenesgt. 1, P.O.Box 776 Sentrum 6001 Aalesund, Norway www.maritime-partner.com John Ivar Olsen tel: +47 70 11 65 65 fax: +47 70 11 65 55 email:office@maritime-partner.com email:office@maritime-partner.com Products: Fast Rescue Boats, Pilot Boats, Patrol Boats I.A.

#### Maritime Telecommunications Net-

work 3044 N. Commerce Parkway Miramar, FL 33025 www.mtnsat.com Nancy Cornelius tel: 954-538-4000 fax: 954-431-4077 email:mtn.info@mtnsat.com Descr: Satellite communications providers Products: Disaster recovery small VSAT equip-ment, transportable VSAT equipment, Commun cations, Satellite Communications

#### Maritime Training Services

1080 W. Ewing Place, Suite 30 Seattle, WA 98119 www.maritimetraining.com www.maritim Rick Titcomb tel: 206-467-8458 fax: 206-467-0128 email:info@marit email:info@maritimetraining.com Descr: Producer / distributor of maritime training Products: Computer/ Computer Software, Soft-

#### Mark A. Robicheaux Joiners, Inc.

P.O. Box 616 Berwick, LA 70342 www.robicheauxinc.com Cary Laiche tel: 985-395-2444 fax: 985-395-5129 email:cary@robicheauxinc.com Descr: Marine Interiors Products: Onshore Living Quarters, Consultants, Insulation, Interiors

#### Markey Machinery Co., Inc. 4634 E. Marginal Way S. Ste. C-140 Seattle, WA 98134 kevmachinerv.c Scott Kreis tel: 206-622-4697 fax: 206-623-9834 arkeymachinery.com

Descr: Manufacturer Products: Capstans, Winches & Fairleads, Wind-lasses (Anchors)

#### Martek Marine Ltd

tre Manvers Way Man ers Rotherham, S63 5DA UK www.martek-marine.com Karen Bedford Karen Bedford tel: +44 (0) 1709 300160 fax: +44 (0) 1709 300165 fax: +44 (0) 1709 300165 email:resource@martek-marine.com Descr: Marine safety and environmental moni-toring systems. Products: Engine emission monitoring systems, Fire & Safety Products, Monitoring Systems, Tank Leveling Indicato

#### Master Marine Electronics

281 Jilguero St , Mon San Juan, PR 00926 Charles J. Masters tel: 787-731-6888 fax: 787-731-6889 email:masmar@coqui.net Descr: Sales, service and installation of marine electronics Products: Communications, Marine Electronics, Satellite Communications

Master Maritime LLC PO Box 2207 North Bend, WA 98045 www.mastermaritime.com Captain Dan Twohig tel: 425-765-4965 email:dan@mastermaritime.com Descr: Comprehensive Maritime Consulting Products: Accident Investigations, Damage Surveys, Project Management, , Consultants, Navigation, Security

#### Mathew Marine Inc.

4001 Navigatio Blvd. Houston, TX 77003 www.mathewmarine. www.mathewmarine. Demetrios Halastaras tel: 1-877-508-4004 fax: 713-227-2666 email:info@mathewmarine.com Descr: HubZone Certified Products: Doors- Marine & Industrial, Pipe Fit-tings/Cuttings/Connecting/ Systems, Ship

#### Matthews Daniel Company

4544 Post Oak Place Ste 160 Houston, TX 77029 www.matdan.com Warren Hilton tel: 713-622-1633 fax: 713-622-1644 nhilton@matdan.com Descr: Marine Warranty Surveyors and Consultants Products: Marine Surveyors

#### Maximum Performance Hydraulics

1021 West Ewing Strreet Seattle, WA 98119 Seattle, www.pacwinch.com Jeff or Al tel: 206-352-6869 fax: 206-352-6869 email:sales@pacwinch.com Descr: Winch, hosit, hydraulics Products: Crane - Hoist - Derrick - Whirleys, \*\*erics Fourinment, Winches & Fairleads

#### May Ship Repair Contracting Corp.

Staten Island, NY 10303 Mohamed Adam tel: 718-442-9700 fax: 718-273-7255 email:adam@mayship.com Descr: Ship Construction and Ship Repair Products: Ship Repair, Shipbuilding-Repai Maintenance, Drydocking, Shipyards

McAllister Towing 3165 Richmond Terrace Staten Island, NY 10303 www.mcallistertowing.com Steven Kress tel: 718-273-6300 fax: 718-273-6325 email:NewYork@mcallistertowing.com Descr: Marine Towing & Transportation

#### McKee Craft

404 Sandy Street Fairmont, NC 28340 www.mckeecraft.com Michael Hopkins tel: 910-628-0926 fax: 910-628-1355 email:michael@mckeecraft.com Descr: 100% Foam Filled Fiberglass Boats

#### **Measutronics Corporation**

4020 Kidron Road, S Lakeland, FL 33811 www.Measutronics.com www.Measutronics.com Lou Nash tel: 863-644-8712 fax: 863-644-2679 email:Lou\_Nash@Measutronics.com Descr: Marine Positioning, Guidance, Tracking Systems Products: Consultants, GPS, Nav/Comm Equip-ment

Mercury Marine PO Box 1939 Fond du Lac, WI 54936 www.mercurymarine.com Jeff Krueger tel: 866-408-6372 fax: 920-924-1488 email:mmobgovsales@mercmarine.com

#### Descr: Marine Propulsion Products

Merlin Marine Recovery Services LLC 4455 Murphy Canyon Road 4455 Murphy Canyon San Diego, CA 92123 www.terracosta.com Erik Rose tel: 407-468-8841 fax: 407-540-9662 email:merlinmarine@cfl.rr.com Descr: Marine Recovery and Liquidation Services Products: Marine Recovery and Liquidatic vices, Salvage, Shipbuilding-Repairs, Mai nance, Drydocking

#### Mermaid Marine Air

2651 Park Windsor Drive, Suite 203 Fort Myers, FL 33901 John Trotte tel: 800-330-3553 fax: 239-418-0538 mail:info@mmair.com Descr: Marine air conditioning and refrigeration

#### Merrill Marine Services, Inc.

7909 Big Bend Blvd. St. Louis, MO 63119 At. Louis, WO 5119 www.merrillmarine.com Pete Merrill or Jim Pritchard tel: 800-394-6674 fax: 800-230-5377 email:pete@merrillmarine.co rillmarine.com rrillmarine.com or pritch@merrumarine.com Descr: Surveyors, Appraisers, Brokers and Con-sultants of Marine Equipment Products: Surveying of marine equipment, Brokers, Consultants

#### Morrelli & Melvin Design and Engi-

neering 4952 Waner Ave Ste 205 Huntington Beach, CA 92649 www.morrellimelvin.com Pete Melvin tel: 714-861-1320 fax: 714-840-0538 tax: /14-840-0538 email:info@morellimelvin.com Descr: Multihull design and engineering Products: Rig analysis, multihull velocity predic-tion (VPP), structures in composites/aluminum/wood epoxy, ship motion studies, 3D renderings/animation, weight analy-sis, CAD/CAM Systems, Consultants, Marine Fonipaering, Naval Architects, Marine Eronipaeri Engineering, Naval Architects, Marine Engineers

#### Motor-Services Hugo Stamp, Inc.

3190 SW 4th Avenue Fort Lauderdale, FL 33315 Fort Lauderdale, FL 33315 www.mshs.com Are Friesecke tei: 954-763-3660 fax: 954-763-2872 email.are.friesecke@mshs.com Descr: Motor-Services Hugo Stamp (MSHS) specializes in the overhaul, repair, maintenance and testing of disesl engines, turbochargers and filtration equipment. MSHS also offers the very latest in lacen ciliament and camping dispecting latest in laser alignment and engine diagnostics. Products: Diesel Engine- Spare Parts & Repair, Engines, Filters/Filter Systems

MTU/Detroit Diesel 13400 Outer Drive West Detroit, MI 48239 www.MTU.com Carroll Oates tel: 313-592-5443 mobile: 954-494-8742 fax: 313-592-5137 email:carroll.oates@detroitdiesel.com Descr: Manufacturer of Marine Propulsion Engines Products: Diesel Engine- Spare Parts & Repair, Engines

#### Mystic Sea Charters

14785 Channel Drive La Conner, WA 98257 ww.mysticseacharters.com www.mysticseacharters.com Monte Hughes tei: 1-800-308-9387 fax: 360-466-3042 email:mystic@ncia.com Descr: Charter boat - passenger vessel-cr boat 100ft ts: Aluminum Boats, Diesel Engine-Spare Parts & Repair, Oil Spill Response

#### NACE International

1440 South Creek Houston, TX 77450 www.nace.org Laura Bartlett tel: 281-228-62 tel: 201-225-259 fax: 281-226-6300 email:laura.bartlett@nace.org Descr: NACE provides the latest in corrosion control technology to the marine industry through its training and certification course, technical standards, conferences, and publications

#### National Maritime Exhaust. Inc.

3710-B 136th Street NE Marysville, WA 98271 www.nationalmarineexhaust.com Wendy tel: 360-659-2983 fax: 360659-2733 email:scottc@nationalmarineexhaust.com Descr: Custom stainless marine exhaust

Neches Drydocks P.O. Box 20782 Beaumont, TX 77720 Chester Slay tel: 409-962-6322 fax: 409-962-3300 email:nechesdrydocks@aol.com Products: Salvage, Ship Repair, Shipyards

New England Charters LLC

P.O. Box 1585 Saco, ME 04072 http://home.maine ine.rr.com/newengland. Capt Wal tel: 207-831-6311 email:newenglandcharters@maine.rr.com Descr: Moorings, Boat Sales, Charters, Hunting & Fishing Products: Hazelett Marine Elastic Mooring Sys-tem, , Aluminum Boats, Anchors & Chains, Fendering Systems/ Buoys - Dock & Vessel

### New England Marine Electronics 46 Calf Pasture Beach Rd Norwalk, CT 06855 www.newenglandmarineel

fax: 203-857-0860 email:ne-me@excite.com Descr: Sales, Service, Install, FCC/GMDSS/w radar, ABYC CERT. Marine Electrician, Commu-nication Tech, Complete Electronics, Electrical Systems, AIS Products: AIS equipment, , Communications Marine Electronics, Satellite Communication

New England Pump & Valve, Inc 36 Industrial Park Road Niantic, CT 06357 www.nepv.com Odd A Brevik tel: 860-739-2200 fax: 860-739-2270 tax: 800-739-2270 email:nepy1@yahoo.com Descr: Service and manufacturer of all types of marine & industrial equipment Products: Pump and valve parts, shafts, mech. seals, bearings, Pump-Repair-Drives, Shafts, Stern Tube Bearings/ Bushes

#### Night Vision Technologies, Inc.

111 North Nursery Road Irving, TX 75060 www.nvti-usa.com Todd Moore tel: 972-554-3944 fax: 972-554-3939 email:info@nvti-usa.com Descr: NVTi manufactures Day/Night Vision systems including multiple camera technologies combined in the same pan/tilt housing. Products: 1018i, 3000 Series, 4000 Series, Marine Electronics, Navigation, Security

NightWatch Industries NightWatch Industries 661 Maplewood Drive, Suite 19 Jupiter, FL 33458 www.night-watch.com Norman Dahl tei: 561-745-8722 fax: 561-745-8718 empiliefe dipte unteh eem 1xd: co1-743-74718 email:htt@ night-watch.com Descr: Vessel monitoring and alarm systems Products: Computerized monitoring and contro systems, Consultants, Co

#### **Noise Control Engineering**

799 Middlesex Turnpil Billerica, MA 01730 www.no ise-control.com Michael Bahtiarian tel: 978-670-5339 fax: 978-667-7047 email:mikeb@noise-control.com Descr: Sound & Vibration Control for Marine Industry

#### Noordhoek Offshore B.V.

Industrieweg 23-29 Zierikzee, NL 4301 RS Netherlands www.noordhoek.net Mr. Cees Noordhoel +31 111 456 000 fax: +31 111 456 001 email:info@noordhoek.net Descr: Underwater contractor Products: Diving, ROV, Survey & Positioning, and Diving Support vessels, Marine Equipment, Salvage, Ship Repair

#### Nordic Ship Consultants Inc.

rdale, FL 323 SE 17th Street, #521, Ft. La 33316 Phone: 954-524-0025 • Fax: 954-524-0056 www.nordicship.com nsci@nordicship.com

Marine Consulting Company established in Florida in 1980 and operated by Merchant Mariners with extensive operational experience Mariners with extensive operational experience within the ocean-towing industry on World-wide basis with a long track-record. Activities include sales and purchasing of tugs, barges, offshore-AHTS-vessels G/C-vessels, terries, cruise-ships, etc. Traffic- and project-analysis with man-agement services for existing or start-up busi-nesses. We manage donations of commercial vessels with max, tax-credit benefits for US Owners Owners

Nortech Engineering 15 Commerce Way Suite 1003 Norton, MA 02766 www.norteng.com Dan Russel tel: 508-285-7831 mail:drussell@norteng.com Descr: Manufacture rugged LCD displays and computers Products: Computer/ Computer Software, Dis-play Technology

#### North American Marine Jet Inc. 216 East Sevier St Benton, AR 72018 /ww.ma Jason T. Hill tel: 501-778-4151 fax: 501-778-6381 email:jason@marinejet.com

Descr: Manufacture of Jet drive propulsion sys tems Products: Propulsion Equipment, Pump-Repair-Drives

Products: Fire & Safety Products, Safety Prod-

Sulluly, On 43074 www.omegadyne.com Dan Jackson tel: 203-359-7749 fax: 203-359-7700 email:djackson@omega.com Descr: Manufactures pressure transducers, load cells for process measurement & control

WWW.onfinitianteset vice.com William Gray tel: 615-405-9360 fax: 815-841-3288 email:wgray@wgray.com Descr: Salvage and Boat Lifting up to 70,000 lb. per lift

ms located underwater; 70,000 lb lift;

Products: Service: Recovery of Marine and

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mail:sales@pacerpumps.com Descr: Manufacturer Products: Filters/Filter Systems, Marine Equip-ment, Pump-Repair-Drives

1at: 42:5-348-3867 email:sales@pcmii.com Descr: Manufacturer of ships windows, doors and hatches Products: Doors, Hatches, Windows, Doors-Marine & Industrial, Marine Equipment, Wind-screen & Window Wipers

email:nils@pacificpipeandpump.com Descr: Specializing in compression style pipe systems. Geberit Mepla, Mapress SS and Cop-

systems. Geberit Mepla, Mapress SS and Cop-per-nickel Products: Geberit Mepla pipe systems, Mapress Stainless Steel pipe and fittings, valves and PVC, , Marine Equipment, Pipe Fittings/Cut-tings/Connecting/ Systems, Ship Repair

riax: out-300/43/22 email:bpearson@pacific-press.com Descr: Pressbrake, Presses, Shear, and special-ty stamping and forming equipment Products: Pressbrake, presses, shears, and specialty forming and stamping equipment.,

email:thermax@panelspec.com Descr: Manufacturer of interior joiner material Products: Fire rated USCG Certified SOLAS, IMO, FTP code certified furniture, walls, and ceilings

Descr: Cargo Securing & Lashing Equipment Products: Cargo Securing & Lashing,

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Pacific Press Technologies

714 Walnut Street Mt. Carmel, IL. 62863 www.pacific-press.com

Bruce Pearson tel: 800-851-3586

fax: 800-380-4322

Panel Specialists, Inc.

3115 Range Road Temple, TX 76504 www.panelspec.com John Hutchison

tel: 813-264-2656

fax: 813-264-2507

Peck & Hale 180 Division Avenue W. Sayville, NY 11796 www.peckhale.com

email:Sales@PeckHale.com

250 Lincolnshire Drive Halifax, NS B2T 1P7 Canada

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tel: 631-589-2510

fax: 631-589-2925

18760 Ridgefield Road NV Shoreline, WA 98177

Nils Dragoy tel: 206-255-3319

fax: 425-771-2946

Pacific Coast Marine Industries

Products: marine pressure transducers

Omni Marine Services, Inc.

ww.omnimarineservice.com

Marine Equipment, Salvage

3800 Inverrary Blvd Suite 101F Lauderhill, FL 33319

Offshore Marine Surveyors

mail:offshorems@bellsouth.net

Descr: Marine Surveyors Products: Marine Surveyors

1661 SW 23rd Ave Ft Lauderdale, FL 33312 tel: 954-587-5879

fax: 954-587-5548

Omegadyne, Inc.

149 Stelzer Court Sunbury, OH 43074

207 Chipman Road Bethpage, TN 37022

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Ron Hock

Lancaster, PA 17601

tel: 717-656-2161 fax: 717-656-0477

6000 23rd Drive We Everett, WA 98203

w.pcmii.com

tel: 425-743-9550

fax: 425-348-3867

Neil Hamlin

w.pacerpumps.com

#### North Sea Resins 15 Research Driv Bethlehem, PA 18015 www.northsearesins.com Eric Eisenhut tel: 610-419-4888 fax: 610-419-4889

email:sales@northsearesins.com Descr: Pipe and Tank Repair Kits Products: Pipe Fittings/Cuttings/Conne Systems, Safety Products, Ship Repai

#### Northeast Technical Services Co., Inc

D. Box 38189 msted Falls, OH 44138 chard A. Mueller tel: 440-236-9191 fax: 440-236-9188 mail:rmueller@netechserv.com Descr: Naval architecture/marine engineering Products: Dock and mooring system designs, Consultants, Marine Engineering, Naval Archi-tects, Marine Engineers

#### Northern Underwater Systems

53113 Range Road 211 Edmonton, AB T6S 1B5 Canada www.nusgroup.com Mark Jansen Mark Jansen tel: 1-780-406-5111 fax: 1-780-406-3437 email:mjansen@nusgroup.com Descr: Dewatering and Marine services

#### Northstar Marine Services Inc

104 South Washington St Iola, KS 66749 Iola, KS 66749 www.northstar-employment John W. Davis III tel: 620-365-8644 fax: 620-365-8284 email:Northstar.marine@exc Descr: Recruiting Products: Hiring Staff arine@excite.com

NVT [ noise vibration techniek] 150 North Plains Indus Wallingford, CT 06492 Steve Hadik tel: 203-774-0295 • fax: 206-600-4431 nail:info@yachtacoustics.co Descr: Marine Propulsion and Acoustics- Noise Vibration Control Products: Exhaust, Insulation, Propulsion Equip-

#### **Ocean Innovations**

7709 Prospect Place La Jolla, CA 92037 www.o-vations.cor Brock Rosenthal tel: 858-454-4044 fax: 858-454-5775 mail:brock@o-vations.com Products: ROVs. underwater video cameras. underwater lighting, underwater cables & con-nectors, GPS, Marine Electronics, Navigation

Ocean Pearl Trading Co. Ocean Pearl Trading Co. 3772 Harton Rd. Va. Beach, VA 23452 www.oceanpearl.com Ben Simmons tel: 757-486-4241 fax: 757-486-1124 email:oceanpearl5@cox.net Products: Marine fenders, buoys, floating barrier, pile wrap, composite piles, Coatings/ Corrosion Control/ Paint, Corrosion Control, Fendering Systems/ Buoys - Dock & Vessel

#### **Ocean Rescue Systems**

P.O.Box 3423 Portland, ME 04104 .oceanrescue.com Joe Mokry tel: 207-799-3299 email.JMokry@oceanrescue.com Descr: Training services for marine rescue including rescue boat operations, rescue s mer training and swiftwater rescue.

Ocean Research Company of America 1148 Third Avenue. Box #38 1148 Third Avenue, Box Chula Vista, CA 91911 www.got2dive.com Capt. Alan Spears tel: 619-227-1802 fax: 619-425-7368 Hat: 619-4257-368 email:minitug@yahoo.com Descr: Tug Julius N. can operate in shoal waters performing a wide variety of tasks/operations. Easily transporter by SUV/trailer to inland sites. Products: Tug Services ters

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t, Suite 301 4 Nickerson Street, Seattle, WA 98109 www.ocean-services.com Jon Lucas tel: 206-547-6161 ext 114 fax: 206-547-6010 fax: 206-547-6010 email:jonl@stabbertmaritime.com Descr: Maritime Management Products: Three vessels in the Gulf, 160-250 ft, crewed up and ready to go, with cranes, A-frames, launches, and full hydrographic survey capability. Can house up to 50-60 plus crew.

#### Office Automation, Inc. 6939 South Choctaw Drive Baton Rouge, LA 70806 www.officeauto.com Mark Traper tel: 225-923-1317 fax: 225-923-0167 email:mtrapen@officeauto.com Descr: Labeling & Identification Products

## MarineNews' Gulf of Mexico Resources Guidebook

#### www.peerless-marine.com Captain Stuart J. McLea AMS tel: 902-576-2297 fax: 902-576-2297 email:info@peerless-marine.com Descr: Accredited Marine Surveyors & Marine Consultants Products: Consultants, Naval Architects, Marine Engineers, Training

Phoenix International, Inc. 375 Hwy 182 Morgan City, LA 70380 www.phrx-international.com Tom Bailey tel: 985-399-0606 or 800-648-1457 tel: 985-399-0606 of 800-646-1457 fax: 985-399-0612 or 985-399-0604 email:tbailey@phnx-international.com Descr: Worldwide Underwater Solutions-Diving, ROV, and ADS Products: Diving, ROV, and ADS

## Phoenix Products Company, Inc. Milwaukee, WI 53224 www.phoenixproducts.com Cheri Martin tel: 414-973-3320 fax: 414-973-3210 email:marketing@phoenixproducts.com Descr: Lighting Fixtures

#### Precision Propeller, Inc. 2427 N. Ritter Ave

India apolis. IN 46218 www.turbo-props.com Steve McLelland tel: 800-922-9955 fax: 317-549-6561 email:smclelland@ppiprops.com Descr: Stainless Steel Propeller Manufacturer Products: Stainless steel propellers

#### Premier Materials

7401 Central Ave NE Minneapolis, MN 55432 www.premiermaterials.cc John Rotter tel: 763-785-1411 fax: 763-785-1509 email:iohn@premiermaterials.com email.john@premiermaterials.com Descr: Floating dock components and solar nav-igation and hazard lighting Products: 50 sizes of dock flotation, dock acces-sories, 1 - 4 nautical mile LED solar-powered navigation, hazard and dock lighting, Lighting Systems/ Equipment, Marine Equipment, Navi-nation

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3600 Gilmore Way Burnaby, BC V5G 4R8 Canada /ww.pm c-controls co Michael Combs tel: 604.433.4644 fax: 604.433.5570 1at. 604,433,5570 email:info@pmccontrols.com Descr: Manufacturers of: Marine Propulsion Controls, Integrated Machinery Alarm and Con-trol Systems, Marine Instrumentation Products: Control System- Monitoring/Steering, Monitoring Systems, Tank Leveling Indicators

Progressive Marine Service PO Box 15826 Seattle, WA 98115-0826 www.progressivemarineservice.com David M. Blakemore service com el: 206-524-6366 fax: 206-524-4544 email:dmbmore@foxinternet.net Descr: Maritime Employment Products: Maritime Employment Service

#### ProStock Marine, Inc.

Products: Fenders

1072 NW 3rd Street Hallandale, Fl 33009 www.ProStockMarine.com Whitney Whitney tel: 954-457-5000 fax: 954-457-5086 mail:whitnev001@bellsouth.net Descr: Manufacturer Of Inflatable Air-Bladders

#### Pro-Tect Plastic and Supply, Inc.

PO Box 1377 Jacksonville, OR 97530 www.pro-tect.net Sharri Griffin tel: 541-774-5506 fax: 541-774-5508 Iak. 91-71-0000 email:pro-tect@pro-tect.net Descr: Heat Shrink Films & Accessories for Packaging, Containments and Weatherization Products: Transport and Storage and Contain ment Supplies

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Pass Christian, MS 39571 Harrison www.qppl.net John McPhersor tel: 228-255-4999 email:JOHNM@QPPL.NET Descr: MANUFACTURER OF POWER DISTRI-BUTION EQUIPMENT fax: 228.255.4999

R & T Technologies, Inc.

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Canton, PA 17724 Rik Paulsen tel: 570-524-0655 fax: 570-524-0427 email:fpaulsen@ptd.net Descr: Precision machine shop Products: Machined parts

#### R P S Company

5760 Elmburg RD Bagdad, KY 40003 bagbad, K1 40003 www.rpsbarge.com Roger P Smits tei: 859-221-4858 fax: 502-747-5510 email:roger @rpsbarge.com Descr: Sectional barge builder Products: Barge and dock builder

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9909 Clayton Road Saint Louis, MO 63124 Sant Louis, MO 63124 Russell Perry tel: 314-569-2445 fax: 314-414-4004 email:russell@reperry.com Descr: Industrial Real Estate and Secure Storage Products: Secure distribution facilities and real

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Houston, TX 77017 www.radiohollandus ndusa com Sales and/or Service tel: 877-733-4024 fax: 877-378-2101 mail:rhouseton@radiohollandusa.com Descr: Navigation, Communication & Automa-tion Sales & Service Products: Marine Electronics, Nav/Comm Equip-ment, Satellite Communications

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100 Lopez Road Goleta, CA 93117 www.reson.com Kelly Nelson tel: 805-964-6260 fax: 805-964-7537 mail:sales@reson.com Descr: Sonar and underwater acoustic solutions Products: Sonar, Navigation, Salvage

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Av. Rios Espinoza # 88 Col. Benito Juarez Mazatlan, Sin 82180 Mexico Mazatlan, Sin 82180 Mexico www.ricepropulsion.com Leonardo Montoya tel: 011 52 (669) 983 6552 fax: 011 52 (669) 984 2533 emäil:leonardom@ricepropulsion.com Descr: Propellers, Nozzles and Rudders Products: Propellers, Nozzles and Rudders,

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Rigdon Marine 815 Walker Street, S Houston, TX 77002 www.rigdonmarine. Billy Guice -com tel: 713-236-9100 fax: 713-236-0200 email:sales@rigdonmarine.com Descr: Offshore vessel services Products: Offshore vessels

#### RKI Instruments, Inc.

33248 Central Ave. Union City, CA 94587 www.rkiinstruments.con Bob Pellissier tel: 800-754-5165 x 21 fax: 510-441-5650 email:bob@rkiinstruments.com Descr: Gas Detection Equipment. Portable and Products: Gas detection products

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P.O. Box 616 Berwick, LA 70342 berwick, LA 70342 www.robicheauxinc.com Cary Laiche tel: 985-395-2444 fax: 985-395-5129 email:cary@robicheauxinc.com Descr: Marine Interiors Products: Industrial & Marine Insulation Systems

Rochem Division, Sepro Inc. 300 Manhattan Beach Blvd -Manhattan Beach, CA 90266 David LaMo nica tel: 310-406-1233 fax: 310-406-1373 email:drochem@aol.com Descr: Rochem produces membrane systems for desalination and waste water treatment Products: Desalination - Reverse Osmosis, Waste Water Treatment

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Ronson Technical Products Division 2146-B Flintstone Drive Tcker, GA 30085 andprocess.com www.energyandp Timothy Moravek tel: 800-524-0698 fax: 770-621-9660 tax: //u-bz1-9660 email:timothy.moravek@energyandprocess.com Products: Steel plates, angles, beam, channel, flat bar, round bar, split tees, military specifica-tions, ABS certified, Marine Equipment, Pipe Fit-tings/Countergi/Connecting/ Systems, Ship Repair

Roper Resources Ltd 984 St. Patrick St. Victoria, BC V8S 4X5 Canada Chris Roper tel: 805-798-0277 fax: 250-361-9115 email:Chris@RoperResources.com Descr: Sales Outlet Products: Sonar Systaems Side Scan and Imag-ing, Marine Electronics, Marine Equipment

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733 Route 66 Hudson, NY 12534 www.RTFManufacturing.com Thomas Finck tel: 518-828-2180 fax: 518-828-2257 emailtinfo@RTFMANUFACTURING.COM Products: Air conditioning & Refrigeration, Galley Equipment

#### Russell Oilfield Equipment

1910 Humble Place Dr. Humble, TX 77338 Humble, TX 77338 www.russelloilfield.com William Russell tel: 281.540.8982 fax: 281.540.8687 email:sales@russelloilfield.com Descr: Marine clutches (propeller brake, main propulsion, trawling winch, auxillary engine, generator, power take-off, pump) Products: Marine Clutches

#### Ryan Marine Services, Inc.

Galveston, TX 77554 www.ryanmarine.com tel: 832-524-5688 fax: 409-763-6513 email:stan@ryanmarine.com Descr: Utility & Crewboat Chartering Company Products: Utility & Crewboat Chartering, Alu-minum Boats, Oil Spill Response

#### Safety Management Systems, LLC

2 Union Street, Suite Portland, ME 04101 www.smsllc.com William Mahoney tel: 207-772-7900 fax: 207-772-0000 email:wmahoney@smsllc.com Descr: Marine safety, security, operations and change management consultants.

#### SEA CON Brantner & Associates, Inc

1240 Vernon Way El Cajon, CA 92020 www.seacon-usa.com Brad Fisher tel: 619-654-0007 fax: 619-374-7295 email:bfisher@seaconbrantner.com Descr: Manufacturer of underwater Electic and Fiber Optic connectors Products: Waterproof Connectors, Electric and Fiber Optic, Communications, Couplings, Elec-

Sea Recovery Marine Watermakers P.O. Box 5288 Carson, CA 90745

#### www.searecovery.com Audrey Paulus tel: 310-637-3400 email:audrey@searecovery.com Descr: Marine watermaker Products: Seawater purification equipments watermakers, Desalination - Reverse Osmosis, Marine Equipment, Water Purifiers

#### SeaArk Marine, Inc.

P.O. Box 210 Monticello, AR 71657 www.seaark.com Ken McFalls, VP of Sales tel: 870-367-9755 fax: 870-367-2120 ail:sales@seaark.com Descr: Boat Manufacture Products: Aluminum Boats. Boatbuilder

SeaBotix Inc. 1425 Russ Blvd., Suite T-112-D San Diego, CA 92101 www.SeaBotix.com Donald Rodocker tel: 619-239-5959 ext. 111 fax: 619-239-5915 email:don@seabotix.com Descr: Manufacturer of Underwater Robotics ROVs BOVs oducts: ROVs. Remote Operated Vehicles. Underwater Robotics

#### Seabulk Towing, Inc.

Tampa, FL 33605 SeabulkInternational.com Richard C. Noble tel: 813-248-1123 fax: 813-248-5735 email:richard.noble@sbulk.com Descr: Tankships; harbor tugs; offshore tugs; supply: crewboats supply; crewboats Products: Service company -- towing & OSV; petroleum, & chemical transportation

#### Seacoat Technology, LLC

13426 Oak Hollow I Cypress, TX 77429 www.seacot.com John Bowlin tel: 713-480-4397 fax: 281-469-0147 email:info@seacoat.com Descr: Marine Coatings, Foul Release Siloxan Products: Antifouling, Coatings/ Corrosion Con trol/ Paint

#### SeaDeck, Inc. PO BOX 46984 Seattle, WA 98146 C S Still

tel: 206-241-2136 fax: 206-243-7196 email:seadeck@comcast.net Descr: Marine Deck Coverings Products: Miscellaneous tools, Interiors, Marine Decking & Flooring

#### Seaeye Marine Limited

Seaeye Warine Limited Lower Quay Road, Fareham,, Hampshire PO16 0RQ UK www.seaeye.com Chris Tarmey tel: +44 1329 289000 fax: +44 1329 289001 email:rovs@seaeye.com Descr: ROV Manufacturer Products: POVe: Bemotely Operated Products: ROVs; Remotely Operated Vehicles:Robotics Underwater

#### Sealand Power Industries Inc

568 East Elizabeth Avenue, P O Box 1400 Jud Lask Linkaph Avenue, i O buk 1400 Linden, NJ 07036 www.sealandpower.com Alan Wachstein tel: 800-225-0004 fax: 908-486-1056 email:sales@sealandpower.com Descr: Wholesale distributors of replacement engine parts, controls & cables, instruments, pumps and drive train equipment Products: Control System-Monitoring/Steering, Propulsion Equipment, Steering Gears/ Steering Systems Linden, NJ 07036 Systems

#### SeaWave LLC

76 Hammarlund Way Middletown, RI 02842 www.seawave.com www.seawave.com Tanya Falvo tel: 800-746-8251 fax: 401-846-9012 email:sales @ seawave.com Descr: SeaWave, an FCC-licensed common carrier, brings wireless communications to ocean-going vessels, including voice and data, remote management products and other value-stand compose added services. Products: SeaWave Integrator, SeaWave NavSeries, SeaWave Remote Management Ser-vices, SeaWave Billing, Communications, Moni-toring Systems, Satellite Communications

#### Seaworth Systems, Inc.

22 Main Street Centerbrook, CT 06409 www.Seaworthy SystemsInc.com Paul Belesca el: 860-767-9061 fax: 860-767-1263 email:pbelesca@seaworthysys.com Descr: Marine engineering, naval architecture re, environmental engineering,engineered sys-cv, environmental engineering, engineered sys-tems and products
 Products: Diesel combustion analyzers/analyais, marine environmental engineering, Filters/Filter Systems, Naval Architects, Marine Engineers, Software

SELCO USA, Inc. 2508 Lakebrook COurt Atlanta, GA 30360 www.selcousa.com

#### Anders Jakobsen tel: 770-455-9110 fax: 770-457-3754 mail:amj@selcousa.com Descr: Fire Alarm Systems, Generator Controls, Monitoring and Protection Products: Control System- Monitoring/Steering, Fire & Safety Products, Monitoring Systems

Les Burns tel: 443-896-1056

fax: 410-381-1450

radville@cox.net

and Service

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email:lburns@tycoint.com Descr: Fire Protection Equipment, Installation

Products: Fire & Safety Products, Safety Prod-

Simrad Inc. 16 Curry Court Metairie, LA 70003 www.simradusa.com Mark Schaferkotter tel: 504-616-3627-cell fax: 504-4615495 email:mark.schaferkotter@simrad.com or sim-rdville@com\_pot

Descr: Marine Electronic Manufacturer

SI-TEX Marine Electronics Inc.

SI-TEX Marine Electronics Inc. 11001 Rosewell Bild, Suite 800 St. Petersburg, FL 33716 www.si-tex.com Dave Church tel: 727-576-5995 fax: 727-576-5847 email.davechurch@si-tex.com Descr: Complete line of marine electonics including depth sounders, fishfinders, electronic charding representations automility

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SkimOil Inc. / Separator Systems 13451 Conway Rd. St. Louis, MO www.skimoil.com RJ Williams

Products: Oil/Water Separators, Sanitation Device- Pollution Control, Waste Water Treat-

Millord, CT 00460 www.skymira.com Bob Landsfield tel: 866-521-0540 email:landsfield.r@skymira.com Descr: Satellite & Cellular Communications Products: Communications, Computer/ Comput-er Software, Satellite Communications

www.smithberger.com Tom Phipps tel: 206-764-4650 fax: 206-764-4653 email:sales @ smithberger.com Descr: Manufacturers of Mooring and Towing Systems

Systems Products: Fairleads, Deck Sheaves, Towing Pins, Stern Rollers, Sharks Jaws, Deck Machin-

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181: 413-267-0592 email:tsohre@sohreturbo.com Descr: Shaft Grounding Brushes - Self Cleaning Products: Brushes, Shaft Grounding and Earth-ing, , Electrical Equipment, Monitoring Systems, Stern Tube Bearings/ Bushes

Sohre Turbomachinery Inc.

Solutions Group International 9663 Santa Monica Blvd. Suite 175

www.solutionsgroupinternational.com.. Mike Duffy - Director of Operations

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tel: 904-825-3625

fax: 904-825-1556

Jason Nail or David Grisham

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fax: 732-390-3317

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rax: so1-789-8424 email:sginternational@earthlink.net Descr: Security, Explosive/Narcotics Detection K-9's, Threat Assessments, Investigations, Training.

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Descr: Floating Docks Products: Concrete Floating Docks, Aluminum Truss Floating Docks, Marinas

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tel: 877-844-8744 fax: 951-789-8424

Smith Berger Marine, Inc.

RJ Williams tel: 314-579-9755 fax: 314-579-9202 email:geninfo@skimoil.com

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Products: Regional Sales Office

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2300 29th Street Bellingham, WA 98229-3380 www.sengineeringinc.com Robert Petersen tel: 360-715-1786 fax: 360-715-1786 tax: 360-715-7780 email:info@sengineeringinc.com Descr: Creators of Bilge-Vac and Petro-Vac Oil Pollution Prevention and Control Systems:

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Separator Systems 13451 Conway Rd. St. Louis, MO www.skimoil.com RJ Williams tel: 314-579-9011 fax: 314-579-9020 email:info@skimoil.com Descr: Design/manufacturer and distributor of marinel pollution control equipment and sys-tems, specializing in wastewater treatment and waste minimization or recycling of liquid/solids oliv wastes, and waste olis. oily wastes, and waste oils. Products: Oil/Water Separators, Sanitation Device- Pollution Control, Waste Water Treat-

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1556 Destrehan A Harvey, LA 70058 Harvey, LA 70058 www.sewartsupply.com Ben Erdely tel: 504-348-7777 fax: 504-348-2200 email:berdely@sewartsupply.com Descr: Twin Disc Distributor/ Marine Gear sales & Service Products: Twin Disc, Hamilton Water Jets, Inger sol Air Starters, Omega Thrusters (Bow/Ste Marine Equipment, Propulsion Equipment

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#### Signal International

601 Bayou Cassotte Parkway Pascagoula, MS 39581 www.signalint.com www.signalint.com Rob Busby tei: 281-899-2122 fax: 281-899-2125 email:rbusby@signalint.com Descr: Signal International is a leading shipyard in the Gulf of Mexico - with six locations. SI spe-cializes in quality repair, overhaul, fabrication and modernization of drilling rigs and associated vessels for the offshore industry. Products: Shipi willion.Benairs, Maitenance Products: Shipbuilding-Repairs, Maintenance Drydocking, Shipyard

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#### Simco Coatings Inc.

Simplex Americas LLC 79 Old Clinton Road Flemington, NJ 08822 www.simplexamericas.com

Donald W. Vogler

tel: 908-237-9099

fax: 908-237-9503

SimplexGrinnell 9585 Snowden River Park Columbia, MD 21046 www.simplexgrinnell.com

Simco Loaungo ..... 211 Gunther Ln. Belle Chasse, LA 70037 www.simcocoatings.com A.J. Juneja tel: 504-393-9455 fax: 504-433-1406 Tax: 504-433-1406 email:sales@simcoccoatings.com Descr: Manufacturer of Industrial, Marine, Mil-Spec, and Corps of Engrs. Spec Paints Products: Antifouling, Ballast, Coatings/ Corro-sion Control/ Paint

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Service Products: Stern Tube Seals, Oil/Water Separa-tors, Seals, Stern Tube Bearings/ Bushes

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# email:info@stewart-usa.com Descr: Engineering, Structural, Marine, Civil, Naval Architecture, Moorings, Piers, Piles, Wharfs. Products: Engineering Safety, Anchors & Chains, Computer/ Computer Software, Naval Architects, Marine Engineers

#### Stratos

6901 Rockledge Drive, Suite 900 Bethesda, MD 20817 www.stratosglobal.com www.stratosglobal.com tel: +1 709 748 4233 fax: +1 709 748 4300 fax: +1 709 748 4300 email:info@stratosglobal.com Descr: Provider of a wide range of advanced mobile and fixed-site remote communications solutions for users operating beyond the reach of traditional networks Products: Inmarsat, Iridium, Globalstar, MSAT, VSAT, Communications, Nav/Comm Equipment Software

Strongwell 400 Commonweal Bristol, VA 24201 www.strongwell.co wealth Avenue ell.com www.strongwel Dave Faulkner tel: 276-645-8000 fax: 276-645-8132 email:webmaster@strongwell.com Descr: Manufacturer Products: Corrosion Control, Fire & Safety Prod-ucts, Marine Decking & Flooring

## Superior Energies, Inc. P.O. Drawer 386 Groves, TX 77619 Tel: (409) 962-8549 Fax: (409) 962-4027 E-Mail: sei@insulatio

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880 Calle Plano Unit K Camarillo, CA 93012 www.symphotic.com Chris Roper tel: 805-798-0277 fax: 805-484-9012 tax: 805-484-9012 email:sales@symphotic.com Descr: Manufacturer and distributor of underwi-ter cameras and inspection equipment, sonars Products: Sonar systems, side scan and imag-ing. Underwater camera systems.

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Islote San Juan de Ulua S/N Veracruz, Ver 91800 Mexico www.iraymcdermott.com/tng Isaias Jimenez tel: +52(229) 989 2535 / 989 2500 fax: +52(229) 989 2510 email:ijimenez@mcdermott.com Descr: Ship repair, offshore modules fabrication and rigs coneversion Products: Ship Repair, Shipbuilding-Repairs, Maintenance, Drydocking, Shipyards

#### **TD** Collaborative

R Green Street Woburn, MA 01801 www.TDCollaborative.com Hugh Wright tel: 781-933-6116 fax: 781-933-6117 email:sales@tdcollaborativ les@tdcollaborative.com Descr: Sensor Development and Manufacturing Products: Fuel and lube viscosity measurement and control

#### Teak Marine Products USA LLC

1356 SE 17th Street Fort Lauderdale, FL 33316 For Lauderdale, FL 23316 www.potroyalgroup.com Phil Friedman tel: 954-523-9770 fax: 954-523-8270 email.mail@potroyalgroup.com Descr: Distributors and installers of prefabricat-ed teak decking and flooring, and other marine wood products. vood products Products: Prefabricated teak decking and flooring; other marine wood products, Inte Marine Decking & Flooring

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7061 15th St Sara ota. FL 334 243 www.teakdecking.com Alan Brosilow tel: 941-756-0600 fax: 941-756-0406 fax: 941-756-0406 email:info.us@feakdecking.com Descr: Teakdecking & flooring Products: Teakdecking and wooden flooring, Marine Decking & Flooring, Shipbuilding-Repairs, Maintenance, Drydocking

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PO Box 1470, 606 Ten Rod Road Wickford, RI 02852 www.lightshipgroup.com

## George Sheppard tel: 401-294-3341 fax: 401-294-3415

email:georges@lightshipgroup.com Descr: Marine and Industrial Repair Service Products: Welding & Fabrication, Marine Deck-ing & Flooring, Marine Engineering, Ship Repa The Sherwin Williams Company 101 Prospect Avenue N.W. Cleveland, OH 44115 www.sherwinwilliams.com

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3115 Range Road Temple, TX 76504 www.thermaxmarine.cor John Hutchison tel: 813-340-3940 fax: 813-264-2507 ales@the maymarine com Descr: Manufacture Products: USCG, SOLAS, IMO, FTP code certified joiner materials - walls, ceilings, furniture

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November 2015 No www.tidewaterskanska.com Henry Strickland tel: 757-547-2153 fax: 757-547-4806 email:sby@tidewaterskanska.com Descr: Heavy Marine Construction Products: Barges/Boats available on the West Coast

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, rkway 9210 International Parky Minneapolis, MN 55428 www.tioga-inc.com Bruce Wallace tel: 763-525-4000 fax: 763-525-9796 fax: 763-525-9796 email:bwallace @tioga-inc.com Descr: Tioga Air heater manufacuters indirect-fired heating and ventilating equipment which are used for winterization of offshore drilling platforms and other marine applications Products: Indirect-fired heating equipment to operate off of diesel, natural gas, or propane, Heat Exchangers, Ventilation Systems / Prod-ucts

Todd Pacific Shipyards Corporation PO Box 3806 Seattle, WA 98124 www.toddpacific.com Dave Conklin tel: 206-623-1635 ext 181 uer. 206-623-1635 ext 181 email.Dave.Conklin@toddpacific.com Descr: Full service shipyard Products: Mobilized repair crews to travel off-site for Katrina recovery, Ship Repair, Shipbuild-ing-Repairs, Maintenance, Drydocking, Ship-yards

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P.O. Box 2289 Wichita Falls, TX 76307 www.tranterphe.com Gary "K" Kulesus tel: (940) 723-7125 ext. 316 fax: (940-723-1131 email:gkulesus@tranterphe.com Descr: Manufacturer of heat transfer equipment Products: Product tanker cargo heaters, , Air conditioning & Refrigeration, Heat Exchangers, Oil Spill Response

UE Systems, Inc. 14 Hayes Street Elmsford, NY 10523 Eimstora, NY 10523 www.uesystems.com Doug Waetjen tel: 914-592-1220 fax: 914-347-2181 email:info@uesystems.com Descr: Ultrasonic Instruments for Condition analysis and Leak Detection Products: Inspection Instruments

## Underwater Services International

Underwater Services International 4128 NW 47th PI. Gainesville, FL 32606 www.hulleleaning.com Wendell Swilley tel: 866-373-6301 fax: 352-373-5588 email:www.info@hulleleaning.com Descr: Commercial diving Products: Commercial diving, Null cleaning , c ferdams, Oil Spill Response, Ship Repair, Shi building-Repairs, Maintenance, Drydocking

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Norfolk, VA 23510 Norolik, VA 23510 www.nao.usace.army.mil/ Steven R. Baum tel: 757-201-7072 fax: 757-201-7322 email:steven.rbaum@usace.army.mil Descr: Civil Works throughout the US Products: Naval Architects, Marine Engineers, Navigation, Shipbuilding-Repairs, Maintenance Drvdocking Drydocking

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Viking Systems, Inc. 16300 Katy Freeway, Suit 16300 Katy Freeway, Suite 175 Houston, TX 77094 www.viking-systems.net Lars Henriksen tel: 281-579-1888 fax: 281-579-1871 email:lars.henriksen@viking-systems,net Descr: Naval Architects Products: Naval Architecture and Marine Engi-neering Services on Floating Structures, , Com-puter/ Computer Software, Marine Engineering, Naval Architects, Marine Engineers fax: 281-579-1871

#### W & O Supply Corporate Office

3485 Evergreen Avenue Jacksonville, FL 32206 www.wosupply.com Jack Guidry tel: 800-962-9696 fax: 904-354-2529 на: уо4-зэ4-2529 email:jack.guidry@woupply.com Descr: Marine Supplier Products: Pipes, valves, fittings, valve autom. tion, Couplings, Pipe Fittings/Cuttings/Conne ing/ Systems, Ship Repair

#### Waller Marine. Inc 14410 W.Sylvanfield Houston, TX 77014 Dr vww.wa ine.com David B. Waller tel: 281-444-9650 fax: 281-444-8055

email:dwaller@wallermarine.com

Descr: Marine Engineers & Contractors Products: Power Generation Barges, Electrical Equipment, Marine Engineering, Naval Archi-tects, Marine Engineers

#### Wärtsilä North America Inc.

16630 Air Center Blvd Houston, TX 77032 www.wartsila.com Liviu Nitu tel: 281-233-6200 fax: 281-233-6230 email.liviu.nitu@wartsila.com Descr: Ship Repair and Equipment Service Products: Marine Equipment, Propulsion Equipment, Ship Repai

Washington Chain & Supply Inc P O Box 3645 Seattle, WA 98124

Seatile, wA so 12-4 www.wachain.com Craig Clarey tel: 206-623-8500 (800-851-3429) fax: 206-621-9834 email.craig@wachain.com Descr: Marine & Contractors Supplies for lifting, towing and tying down. Products: Anchors & Chains, Capstans, Rope-Manila-Nylon-Hawsers-Fibers

#### Watch Enterprises - VesselWatch

4330 Fish Hatchery Road Grants Pass, OR 97527 Grants Pass, OR 97527 www.vesselwatch.com Jack Goldwasser tel: 541-472-8095 email;jack@vesselwatch.com Descr: Marine Telemetry - Onboard and Remote Monitoring & Control Sys Products: Control System-Monitoring/Steering, Central System-Monitoring/Steering, Corrosion Control, Security

#### Weber Marine, Inc.

10148 Louisiana Hwy 44 Convent, LA 70723 www.webermarine.com www.webermarine.com Bob Wooten tel: 225-562-3547 fax: 225-562-7355 email:bwooten @webermarine.com Descr: Marine Contractor Products: Private terminal.. Crane service: Barge to truck Truck to barge. Marine towing & Crewboats, Aluminum Boats, Anchors & Chains, Desk Machineur, Carge Mardine Faultiment Deck Machinery- Cargo Handling Equipment

Wema USA. Inc. 15 NE 3rd Street Fort Lauderdale, FL 33301 Fort Lauderdale, FL 33301 www.wemausa.com Dieter E. Marker tel: 954-463-1075 fax: 954-463-1270 emailinto@wemausa.com Descr: Manufacturer and distributer of marine type fuel, water and holding tank level sensors and gauges Products: Marine type fuel, water, and holding tank level sensors, and gauges

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205 SW 16th Cour Fort Lauderdale, FL 33315 Alan Provan tel: 954-524-2872 fax: 954-522-7146 

West Shore International 39 Clifton Avenue Marblehead, MA 01945 William F. O'Meara tel: 617-306-3310 fax: 781-631-0876 email:WFOMeara@comcast.net email: we ownear a concast net Descr: Importer of all types of chain and anchors; cast steel bollards, chocks and cleats; shackles, thimbles and turnbuckles; blocks, wire rope and wire rope clips. Products: Anchors & Chains, Fendering Sys-tems/ Buoys - Dock & Vessel, Marine Equip-ropet

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email:chuckoakes@whitingdoor.com Descr: Lightweight panels, bulkheads, joiner doors, decking, partitions Products: Lightweight panels, bulkheads, joiner doors, decking, partitions, false decks, flooring, wet space panels

## Woods Hole Group, Inc. 81 Technology Park Drive East Falmouth, MA 02536 www.whgrp.com Bill Grafton tel: 508-495-6253 fax: 508-540-1001 email:wdgrafton@whgrp.com Descr: Provides coastal and oceanographic Descr: Provides coastal and oceanographic consulting, measurement, and laboratory ser-vices, including numerical modeling, real-time measurement system design and operation, engineering design studies, and environmental impact assessments. Products: Physical oceanographic real-time measurement systems, Consultants, Marine Engineering, Monitoring Systems

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tel: 360-707-5622 fax: 360-757-0892

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email:wccinfo@wcclp.com

2103 E. Governors Circle Houston, TX 77092

Maria Soler

tel: 713-682-2400

fax: 713-682-2481

Xantic USA, Inc. 1211 Connecticut Aven Washington, DC 20036 www.xantic.net Andrea Cortese

tel: +202 785-5615

fax: +202 785-5616

ZF Marine Electronics

12125 Harbour Reach Drive Mukilteo, WA 98275 Jim Meucci

mail:iim.meucci@zf.com

Descr: Control Systems Manufacturer

email:marcus.kloor@zf.com Descr:Worldwide manufacturer of marine trans-missions, surface drives, propellers, controls and propulsion systems

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161 James Drive West, Ste. 120 St. Rose, LA 70087

tel: 800-546-5455

fax: 425-493-1569

ZF Marine. LLC

www.zfmarine.com Marc Kloor

tel: 504-443-0501 fax: 504-443-0504

Leslie Smith

# **Closed Until Further Notice**

#### By Larry Pearson

The once bustling riverfront in New Orleans is now like the rest of the city... mostly deserted. The port has reopened and the large deep draft ships are returning, but not the passenger vessel business.

New Orleans was blessed with two thriving excursion boat companies and several overnight cruise vessels, but for now that is just a memory.

New Orleans Paddlewheels, which operate the 600-passenger Cajun Queen and the 1,000-passenger Creole Queen are shut down for now and no date has been given for their reopening. But with almost zero tourists who can blame them?

New Orleans Steamboat, operators of the steam paddle wheeler Natchez and the John James Audubon have been keeping their boats busy for the last few weeks.

The Natchez found a safe harbor near Baton Rouge, La. during the storm, but returned to open as a dockside restaurant in early October. But tied to a dock is not what the Natchez was built to do. By the end of October the steam-powered vessel was in Cincinnati, Ohio, another great river town, running a mix of private charters and public cruises.

The vessel is even planning a "Great Steamboat Race" with one of the vessels from BB Riverboats, of Cincinnati.

One thing is for sure: when Gordon Stevens and Alan Bernstein, presidents of New Orleans Steamboat and BB Riverboats respectively combine their marketing expertise, good things will be happening on the river- in this case the Ohio River.

The John James Audubon, the New Orleans Steamboat Company's vessel that ran cruises between the Audubon zoo and the Audubon aquarium has also been kept busy.

After joining the Natchez in the Baton Rouge safe harbor, the vessel went to Natchez, Miss. where it offered a combination of charters and public cruises.

In mid October, the vessel left Natchez and returned to New Orleans to garner any business that was available.

On a more positive note, New Orleans Steamboat reopened its Westwego Swamp Adventures business. Three 43-59-passenger swamp tour boats are now in service working from a new docking facility. The gift shop and 80-seat restaurant Wego Inn Café are also open.

The tour explores the wetland of Bayou Segnette and adjoining waterways. Grey Line Tours, run in New Orleans by New Orleans Steamboat Company, provides bus transportation to the swamp tour site.

The overnight cruise companies had



Conquest, one of the largest ships in the Carnival fleet, has redeployed to Galveston from New Orleans. Carnival has not announced a return date for this ship to New Orleans.



The Cajun Queen has been a fixture on the New Orleans waterfront for many years operating a mix of private charters and public cruises. Owned by New Orleans Paddlewheels, the vessel has not announced a return date.ut American Queen



The steam-powered paddlewheeler American Queen is currently inactive. It was operating 3-4 day cruises from New Orleans to rivertowns on the Mississippi River and back to New Orleans.

less disruption than the excursion companies that permanently dock in New Orleans.

The largest cruise company in New Orleans is Carnival Cruise Lines. Carni-

val operate the huge 110,000-ton Conquest from the port on seven day round trips to Jamaica, Grand Cayman and Mexico. When the Hurricane hit New Orleans, the vessel simply moved to Galveston, Texas and continued their cruises after a short dry docking period.

The smaller 70,000-ton Sensation operated four and five day trips to Mexico from the Port of New Orleans. As Hurricane Katrina hit New Orleans, the vessel was in Mexico and diverted to Galveston, Texas on the return trip. (I should know, I was on that cruise.)

After landing in Galveston, the Sensation was chartered to the Federal Emergency Management Agency (FEMA) along with the Ecstasy, another 70,000ton cruise ship. These two vessels were sent to the Port of New Orleans as floating hotels for use by first responders who had lost their homes such as police, firemen and others aiding in the relief effort.

The Holiday, another Carnival Cruise Line vessel, was also pulled from cruise service and left in her homeport of Mobile, Ala., as a floating hotel for first responders. It is scheduled to return to cruise service in Mobile March 27, 2006

The Sensation is due to return to New Orleans cruise service on October 26, 2006. Carnival has not announced when, or if, the Conquest will return to New Orleans. No doubt that depends on the repopulating of New Orleans and the surrounding area.

Several other cruise lines have scheduled cruises out of New Orleans at least for part of the year. They too have cancelled service until further notice.

Other overnight cruise companies were not impacted at all. River Barge, an operator of 3-10 night cruises on the inland waterways calls New Orleans home, but operates most of the year upriver from New Orleans. In October the firm was running eight night round trips in Cincinnati. It is scheduled to return to New Orleans in November but that may change.

The Delta Queen Steamboat Company will alter its cruise schedule. The Mississippi Queen and Delta Queen normally operate their overnight cruises out of New Orleans in the fall and winter. That has changed to Memphis.

The American Queen that operates three and four day roundtrip cruises from New Orleans to St. Francisville, La. cancelled such cruises effective September 16 onward. The American Queen hopes to resume service March 6, 2006.

"We are working with various government agencies to make all three ships available this winter in Gulf Coast relief efforts, especially New Orleans," said Bruce Nierenberg, president of Delta Queen Steamboat Company.

# **FRV Nears Completion**

#### **By Larry Pearson**

Although VT Halter Marine, Pascagoula, Miss., received significant damage during Hurricane Katrina, they continue on schedule to complete the second of four planned fisheries research vessels for the National Oceanographic and Atmospheric Administration (NOAA) by mid 2006.

"Fortunately, the vessel was in the water when the hurricane hit us and we had it tied down well anticipating the strong winds we received," said Boyd E. "Butch" King, president and CEO of the company.

Halter lost many welding machines, two NC cutters and received structural damage to many buildings including its home office. The fisheries vessel Henry B. Bigelow had advanced its construction beyond the steel fabrication stage so its schedule will slip very little according to shipyard officials.

Launched July 8, 2005, the \$39 million, 208-ft. by 49.2-ft. vessel will be the second fisheries vessel in the planned series of four. The first ship in the series, Oscar Dyson, was christened May 28, 2005 in Kodiak, Alaska where it will be home ported and will do extensive studies of the Alaskan Pollock as well as other fisheries research projects.

The Henry B. Bigelow will support NOAA's mission to protect, restore, and manage coastal and ocean resources. Its primary objective will be to study, monitor and collect data on a wide range of sea life and ocean conditions, primarily in U.S. waters from Maine to North Carolina. The area includes Georges Bank one of the world's best known and most productive marine areas.

The vessel is named after Henry B. Bigelow (1879-1967); a Harvard-educated zoologist whose work helped lay a scholarly foundation for oceanography as a scientific discipline. Bigelow was an internationally known expert on the Gulf of Maine and in its sea life. He served on the faculty of Harvard University for 62 years.

Henry B. Bigelow has been designed for a wide range of fisheries research with capabilities for midwater trawling, bottom trawling, hydroacoustic surveys and oceanographic and hydrographic operations.

Capabilities also include handling specialized gear such as MOCNESS frames (Multiple Net System with one square meter net opening when frame is towed at 45 degrees), floating and moored buoys, towed vehicles, dredges and bottom corers.



With the Henry B. Bigelow launched, the 208-ft. vessel was moved to a fitting out pier where hundreds of systems will be installed before the vessel is sea trailed and officially accepted by NOAA.

All fluid discharges are on the port side of the ship to avoid contamination of sampling devices deployed from the starboard side.

The vessel will feature a dynamic positioning system to ensure trackline, course speed and heading are maintained during operations. The engine room is designed for unmanned operation and centralized controls for fishing systems, ship speed and maneuvering are provided by the Aft Control Station on the bridge.

Additional controls for speed and maneuvering are located at the main bridge console and on two wing stations. Local controls are provided for each winch and lifting device. The Aft Control Station is located to give the operator maximum visibility of the working deck. Closed circuit TV systems give the operators a view of below-deck winches and other areas of the main deck.

A unique centerboard (drop keel) is provided so sensitive scientific transducers can be lowered away from the ship out of the region of hull-generated noise. Noise control is a key design feature of the ship. Underwater-radiated noise influences fish behavior and sonar self-noise can limit the effectiveness of hydroacoustic surveys and other functions.

The International Council for Exploration of the Seas (ICES) has established a standard for ships' underwater radiated noise and the Henry B. Bigelow meets this noise standard by utilizing specially constructed and balanced propulsion motors and mounting diesel generators on double isolated raft systems.

The hull form and a highly skewed fiveblade propeller were carefully designed and tested and pumps, ventilation systems and piping systems were designed for low noise.

The Henry B. Bigelow utilizes a diesel electric propulsion system. A pair of 1,542 hp electric motors is mounted on a common shaft driving a 14.1-ft. propeller.

There is also a 966 hp AC induction azimuthing bow thruster also driven by an electric motor. Power for the motors come from a pair of 1,360 kW generators and a 910 kW diesel generator. Generators are by Caterpillar.

The Henry B. Bigelow can reached a sustained speed of 14 knots and has a range of 12,000 nautical miles and an endurance of 40 days.

Crew complement includes four commissioned officers, three licensed engineers and 12 other crewmembers. The vessel can carry a maximum of 19 scientists. Total bunks are 38.

Most of the main deck is reserved for mission functions. The aft working deck has 1,560 sq. ft. of open space for fishing and other over-the-side operations with an additional 335 sq. ft. of deck space at the Side Sampling Station. Space and support connections are provided for a laboratory van on the aft working deck.

There are seven laboratories on the main deck utilized by scientific personnel. In addition there are electronics, machine and bos'n shops to support the vessel by repairing and occasionally modifying scientific sampling equipment at sea.

Henry B. Bigelow is a stern trawler capable of working in water depths of 1,000 fathoms. A split drum net reel is located over the forward end of the trawlway, which can stow two nets. Many features common to commercial trawlers such as Gilson and outhaul winches.

Each of the two trawl winches can deploy 13,120 ft. of 1.2-in.diameter trawl wire. Each winch generates up to 35 metric tons of line pull. Smaller sampling nets and towed fishing gear can be launched over the stern, over the side of the working deck or from the starboard side-sampling station. Longlining and other types of fishing can also be conducted.

The vessel mounts two extendable boom cranes, one articulated and one telescoping servicing the working deck. Each crane can lift 8,000 lbs and can be used to lift the cod end of the trawl net to dump the catch on the sorting table. Once onboard the net contents are brought into the fish laboratory for sorting, weighing, length measurements and sex and age **November, 2005 •** *MarineNews* • **39** 

#### MarineNews' **Gulf of Mexico Resources Guidebook**



The Henry B. Bigelow under construction on land at a VT Halter Marine shipyard.

characteristics for selected samples.

Wireless and hardwired systems are used to monitor the shape of the trawl net

during fishing operations. The systems work with an autotrawl system that sets trawl depth and trawl wire tension.

Modern fishing management relies heavily on sonar systems. The most critical system on the Henry B. Bigelow is the Scientific Sonar System, which can accurately measure the biomass of fish in the survey area.

The Scientific Sonar System is the primary tool for selected pelagic (off-bottom) fish with trawling used as a means to verify species composition of observed fish schools and to obtain biological information.

Not only can the Henry B. Bigelow conduct fishing operations, it is fully rigged to support oceanographic and hydrographic missions. It can deploy and recover floating and bottom-moored sensors. Surface buoys up to eight ft. in diameter can be handled through hinged doors on each side of the working deck.

Water temperature, conductivity and fluorescence can be measured as a function of depth using the winches and a CTD system.

Local water currents are measured with an Acoustic Doppler Current Profiler while a multi-beam sonar system provides information on the content of the water column and on the topography of the seafloor while underway.

A traction-type oceanographic winch can deploy up to 16,400 ft. of wire up to .68 in. in diameter.

It is located below the main deck and configured to support operations with the large hydraulically operated stern gantry. Up to 13 metric tons of line pull can be generated by this winch.

Two hydrographic winches serve the Side Sampling Station via the side Aframe. Each winch can deploy 11,480 ft. of .375-in. electromechanical wire. The A-frame is configured so that up to three scientific packages can be rigged for sequential operations.

As the Henry B. Bigelow was being launched in May 2005, work began on the third \$39 million fisheries vessel, which will be home ported in Pascagoula, Miss., site of the VT Halter shipyard. No name has been given to the third vessel and construction timing of the fourth vessel will depend on funding.

#### VT Halter Pascagoula, Mississippi

VT Halter is a shipbuilding, conversion and repair company. A subsidiary of Singapore Technologies Engineering, the company operates shipyards in Pascagoula, Halter Moss Point and Moss Point Marine. In business for more than 50 years, VT Halter is the largest designer and builder of medium-sized ocean-going vessels in the United States and employs 350 full-time and 300 contract employees. Cynthia Borries, VT's Communications Director, said that the majority of the company's hurricane damage was due to major flooding. "All of our buildings had some type of damage, and 400 welding machines and 250 spinners had to be replaced. Our cranes were ruined from being completely underwater and had to be redone, and most of our on-site projects had saltwater damage."

VT Halter is currently short-staffed due to the acquisition of a three-year project for four new ATB units, but the company's workforce suffered no hurricane-related fatalities and employees were called back to work shortly after the storm. Boyd E. King, the company's CEO, was instrumental in the relief effort. His first concern, says Borries, was employee safety. When all staff was accounted for and called back to work, King immediately supplied all employees with satellite telephones in an effort to restore communications. VT employees completed the entire cleanup and restoration effort, of which Borries notes, "It was bad. Everything that got wet was moldy and in a foot and a half of water. King is a logistics expert, and did an amazing job of undertaking such a daunting task and making sure we had the right equipment for the job." The projected cost of this recovery effort is unknown, but Borries says by January 1, 2006, the company should be close to 100 percent operational.

## **Storm Lashing for Jack-Ups**

Zentech has developed a Storm Lashing System for jack-ups that is designed to provide significant operating benefits for both existing and newbuild rigs. "With the number of jack-ups lost this year, we expect the rules to become much stricter in the future," said Zentech President Ramesh Maini. "Our patented concept affords benefits for jack-ups operating in drilling, mobile production or accommodations applications."

Originally designed to enhance the deepwater capability and service life of shallow water jack-ups, the company now sees significant value from improved storm survivability of the new system. The timing for Zentech could hardly be better - its patent issued just six months before hurricanes Katrina and Rita sounded the wake-up call for offshore operators.

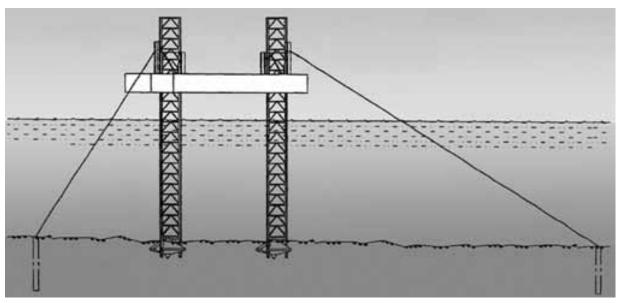
The system uses radially spaced mooring lines that connect suction pile or vertical load anchors (VLA) to

the jack-up hull or legs at 20 to 40 degree angles, and a static tensioning mechanism to ensure taut lines. Zentech's system can be deployed after the unit is on location. Unlike semi-submersibles, it does not need to be deployed before the jack-up is on site.

The concept involves an engineering evaluation of the existing rig or newbuild design, followed by selection of the correct configuration to optimize the client's design parameters. Depending on client preferences, the mooring lines may be connected to strong points on the hull, jack houses, or additional jacking units that climb the leg chords

In addition to generally improved storm survivability, the system is designed to enable existing jack-ups to be used in deeper water locations, or in situations where storm design parameters have become more restrictive. **Circle 42 on Reader Service Card** 







#### **Conrad Reports Minimal Damage**

Conrad Industries of Morgan City, La., reported that it received very little damage from the recent hurricanes that swept through the Gulf of Mexico. "Hurricane Katrina did not have a direct impact on any of our four shipyards. Unfortunately, Hurricane Rita did not spare our Orange employees from loss and damage. Our Orange facility has sustained minor wind damage to our buildings that can be repaired but did not receive any water damage. Our equipment and jobs in progress were not damaged. The costs to clean up and repair our facility will in large part be covered by our insurance program. Power has been restored to our Orange yard and we are gradually returning to normal operations as employees are able to return to the area after three weeks of limited activity," said Johnny Conrad, President and CEO.

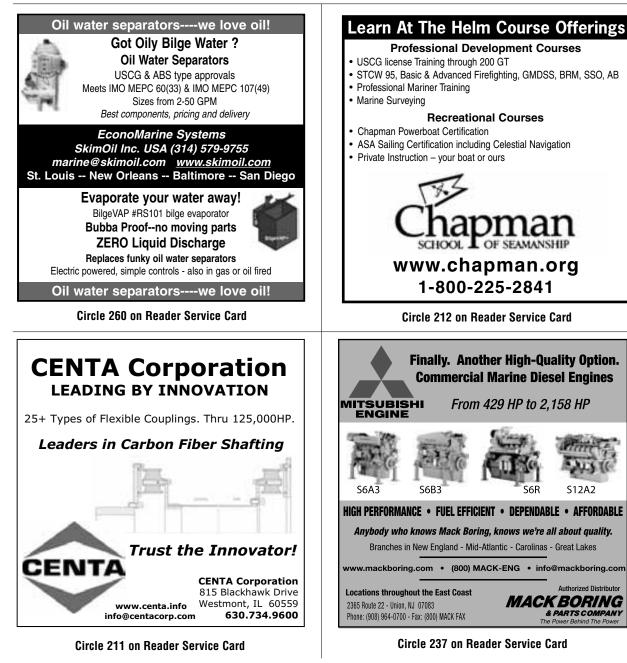
While the company did not receive direct damage, Conrad noted that damage to its suppliers and subcontractors will have a ripple effect on its business. "These events have also impacted our vendors'

and subcontractors' abilities to supply us with necessary goods and services. Consequently, it is not yet possible to determine the amount of delay and additional cost that will result from these hurricanes."

In addition, we have openings for qualified welders, fitters, supervisors and project management personnel." Conrad Industries recently signed contracts for the construction of a 99-ft., 4,200 hp Z-Drive tug for South Puerto Rico Towing Corp. and the 16th ST Tug for the U.S. Army, to be built at the company's Orange facility. The new contracts bring the company's backlog to \$40 million. The Army tug is the latest of more than 100 hulls provided by Conrad Industries to U.S. Government Agencies over the past 30 years," said Conrad.

#### Hope Services Dulac, LA

Hope Services is a marine repair facility and shipyard located on the Houma Navigational Canal. The company performs in-water repairs, long and short term docking and storage, repair and fabrication of offshore structures; and has 50 full-time employees. Lou Parker, Vice President of Marine Operations, said "We had seven feet of water in our vard. I've been through thirty hurricanes, including Andrew, which was also a category five, and I've never seen anything like that. Rita is by far the worst storm I've ever seen." In addition to the flood damage, the majority of the shipyard's buildings suffered roof damage due to the high winds. Cost of the recovery effort is unknown because mud is still being cleared, but Parker estimates at least \$500,000 over a timeframe of six months to a year. He adds that the restoration of power and phone lines has immensely aided the recovery effort. Hope Services' workforce was down ten people



after the storm and is still missing six employees. Because of incoming repair work due to the hurricanes, the company could use 20 more employees, but has trouble competing with other local businesses. Says Parker, "We're doing the best we can with what we have."

#### Rodriguez Boat Builders Bayou le Batre, La.

Rodriguez Boat Builders was founded by the Rodriguez family in 1976 and is located in Bayou le Batre, Alabama. The company has built more than 232 vessels for customers on every American coast and has 60 full-time employees. The majority of the company's hurricane damage was due to the 11-ft. storm surges that came across the property, completely submerging the facilities. When the flood retreated the next day, it left massive water damage. Additionally, several sheds, a warehouse and bathroom facilities were torn from the ground and blown completely away. However, no major damage occurred to in-house projects. "This ain't our first rodeo," said Joseph Rodriguez, CEO. "We shipped out most of our major equipment before the storm hit, and took precautionary measures on what we couldn't move." Following the storm, it took eight days for the power to be restored. Because the town suffered no fatalities, Rodriguez was able to call his employees back to work immediately, and used the eight days to have them begin cleaning away the mud. "It gave them something to do while we waited for the power," he says, adding that the majority of his workforce has returned, and those who haven't are performing cleanup work or relief efforts for the community. However, the company's production schedule has been pushed back almost two months to allow for sufficient cleanup time, which Rodriguez estimates will cost around \$200,000.

#### Leevac Industries Jennings, Louisiana

Leevac Industries, located in Jennings, Louisiana, is a shipyard specializing in the building and repairs of barges and boats. Leevac suffered neither wind nor water damages following recent hurricanes, and was able to return to work as soon as the power was restored. According to Scott Theriot, Vice President of Sales, "We did not have any major issues with our vendors mostly due to the stage our jobs happened to be in. We are finishing up a two a large barge project and most of the material was here already, so our timing happened to be in as good a position as possible to minimize the impact of material delivery. We did have some vendors with issues from the storm, but all have been up front about the status or state they are in, which allows us to work around our concerns."

#### Edison Chouest Offshore Galliano, Louisiana

Edison Chouest Offshore located in Galliano, La., suffered substantial damage to its C-2 facilities at Port Fourchon. Edison Chouest and its affiliated companies, which employs in excess of 3,400 workers, reported that all customer needs are being met, despite the damage. Their corporate office in Galliano reopened recently. It is reported that Edison Chouest is pursuing a new shipbuilding opportunity in Houma, La., which would possibly employ up to 1,000 workers.

#### Harrison Bros. Drydock & Repair Mobile, Alabama

Harrison Brothers Drydock & Repair is a small, family-owned company, started by William Harrison 110 years ago, and run today by William Harrison III. The yard normally employs between 20 and 30 employees. Its southern Alabama location left it particularly vulnerable to damage from the recent hurricanes. Harrison



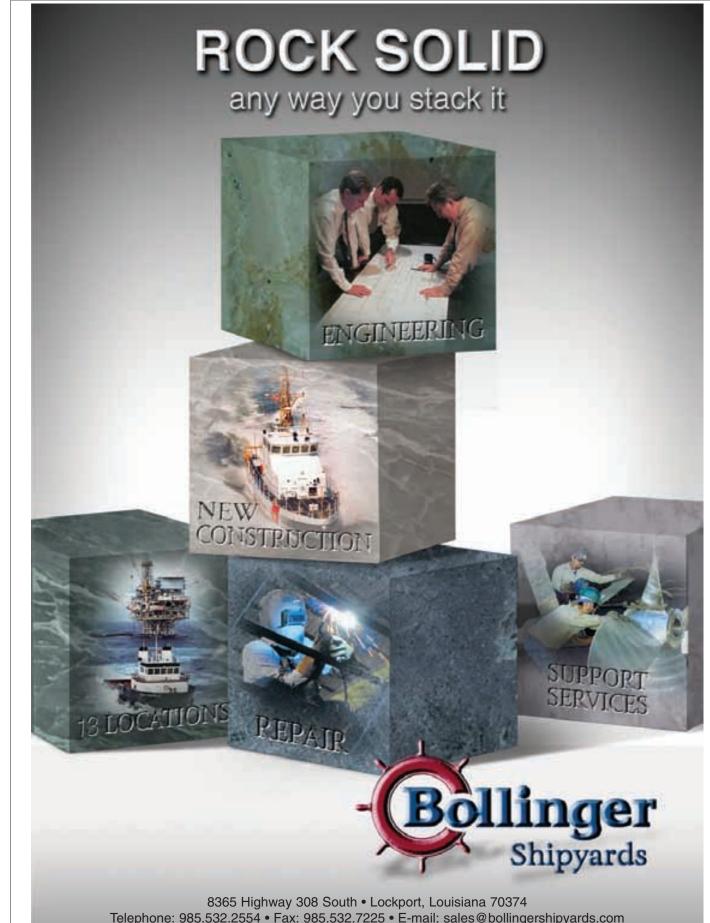
described the aftermath as "general widespread damage...nothing was totally destroyed, but most of our equipment was bent or broken." Among the damaged equipment was an on-site state ferry repair project, which required a wheelhouse replacement as well as bow work. Perhaps the most severe damage was to Harrison's workforce, as many employees were residents of Mississippi and are still missing. Directly following the storm, the company was able to contact half of its staff. However, says Harrison, "as equipment comes back online and we're able to use the technology, we've been able to find more employees...and we hope those we haven't heard from are doing well." He estimates the cost of total recovery to be around \$200,000 over an eight-week timeframe, meaning the company is almost completely back up to speed. The speedy recovery was accomplished by pushing back the production schedule in order to focus the entire workforce on equipment repairs. Harrison feels this is a relatively small price to pay, noting, "We feel very fortunate to be alive; just to have something to rebuild and put back together."

#### **Harvey Gulf International Marine** Harvey, Louisiana

Harvey Gulf International Marine, a marine transportation company that provides responsive service to the energy industry, is based out of Harvey, La. Harvey Gulf International Marine, Inc. operates one of the largest ocean going towing vessels in the Gulf of Mexico.

According to Captain Jake Stahl the vice president of HS &E, Harvey Gulf did not sustain any substantial damage following the hurricanes. The company relocated its vessels out of the path of the hurricanes, as the company operations sought refuge in Houston. As of now, the company is back at its regular office and fully functional. With three major hurricanes affecting the Gulf of Mexico region, and ostensibly, the offshore industry, regulations and precaution for future storms

come into question. Following the hurricanes, Harvey Gulf was involved in several recovery missions.



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A Coast Guard HH-60 Jayhawk helicopter crew from Kodiak, Alaska, based out of Air Station Houston drops a sandbag to repair a damaged levee. The Coast Guard dropped more than 700,000 pounds of sand while working hand in hand with the National Guard to reconstruct the breeched levees. U.S. Coast Guard photo by Christopher Evanson

#### Dominion E&P Relocates in Wake of Storm

Less than two weeks after Katrina made landfall, Dominion Exploration and Production relocated 350 of its New Orleans employees and their immediate families in Houston. Dominion Resources Inc. searched for and located all 430 of its New Orleans employees who had scattered to 14 different states during the evacuation of their city. "We are fully engaged in efforts to restore some normalcy to the lives of our employees and their families," said Dominion E&P President and CEO Duane Radtke.

Dominion's offshore exploration and production business was based at the Dominion Tower in the central business district of New Orleans. Because of the storm damage, that business has been moved temporarily to the company's offices in the Greenspoint area and in downtown Houston.

Other employees returned to their assignments on offshore platforms and a small number were relocated elsewhere.

In Houston, furnished and outfitted apartments were waiting to receive most of the evacuees at 21 different local apartment complexes, said Donna Kelliher, Dominion's director of travel services.

"We know that it is important for our employees and their families to have somewhere to call home, even as they work to rebuild their permanent ones in Louisiana," said Kelliher.

Gallery Furniture and Preferred Corporate Housing supplied furniture and housewares to outfit the Houston apartments.

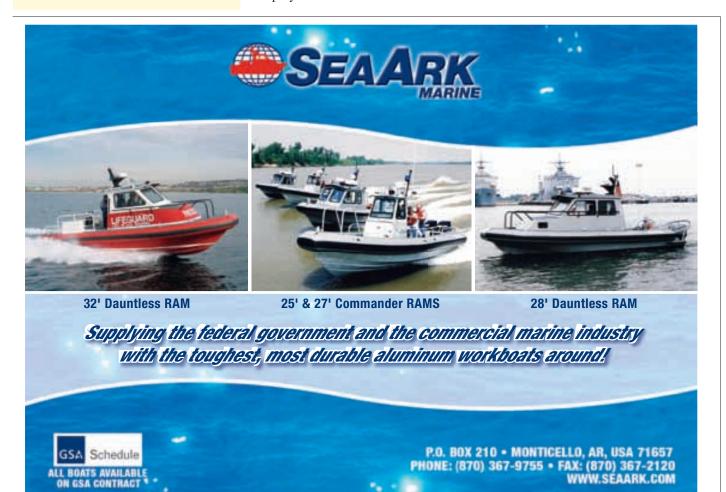
It is too soon to know when the Dominion Tower in New Orleans will be ready to occupy again.

Dominion is one of the nation's largest producers of energy, with an energy portfolio of about 28,700 MW of generation, about 6 trillion cu. ft. equivalent of proved natural gas reserves and 7,900 miles of natural gas transmission pipeline.

#### Crowley Donates \$100K to Fund

Tom Crowley Jr., chairman, president and CEO of Crowley Maritime presented a check for \$100,000 to the Northeast Florida chapter of the American Red Cross for the Hurricane Katrina Relief Fund. The donation, which was presented to Jack Morgan, CEO American Red Cross Northeast Florida chapter, represented about \$50,000 from Crowley employees worldwide coupled with a matching Crowley grant.

The company launched the two-and-ahalf week campaign where it matched donations from employees dollar for dollar. Employees from across the United



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States, in Central America and in the Caribbean came together to support the effort. "We are very proud of our employees," said Tom Crowley Jr. "They have shown unselfish commitment to this cause and we are pleased that we as a company could come together to bring hope to residents in the storm area, including our own employees in Gulfport and New Orleans."

#### American Queen Embarks on a New Voyage

For the first time in its history, American Queen, one of the three authentic steamboats of the Delta Queen Steamboat Company, embarked through the Gulf of Mexico, on a journey to begin a charter operation. The American Queen has been chartered by a private energy company to support the efforts to rebuild the Gulf Coast.

"From even before the hurricane hit the Gulf Coast area, Delaware North was mobilizing to help New Orleans, a city where it had approximately 1,000 employees," said Bruce Nierenberg, President of the Delta Queen Steamboat Company. "So far the company has donated in excess of half a million dollars to the relief effort. This charter allows us to keep the American Queen and her crew actively deployed until it returns to service in May of 2006."

The Delta Queen Steamboat Company, owned by Delaware North Companies, was located in New Orleans until the devastation of Hurricane Katrina forced it to indefinitely relocate its operations to the corporate headquarters of its parent company in New York. A separate marine, technical and hotel operation office is located temporarily in Memphis.

Beginning September 17, scheduled fall and winter cruises for the American Queen, which began and ended in New Orleans, were cancelled. Delta Queen's other two steamboats, the National Historic Landmark Delta Queen, and Mississippi Queen, are presently operating their regularly scheduled Fall Foliage cruises on the Upper Mississippi, Tennessee, and Cumberland rivers through November.

• The Delta Queen will resume its

2006 from Baton Rouge.

The Mississippi Queen will resume its service on April 23, 2006 from Memphis

The American Queen will return to regular service on May 30, 2006, with her first cruise departing from Baton Rouge.

### **Resolve's Post-Katrina Ops**

Resolve Marine Group, Inc. stepped up its involvement in Post-Hurricane Katrina operations in the U.S. Gulf Coast region. As of mid-October, the company had deployed salvage masters, salvage engineers, salvage technicians, commercial divers and a vast array of equipment including the RMG 400 — a barge outfitted with a 400-ton shear leg derrick and 175-ton crane; the RMG 300 — a barge outfitted with a 225-ton crawler crane and pulling equipment to 1,200-ton capacity; a 300-ton derrick barge, multiple other crane/spud barges, tugs and support vessels.

Resolve personnel and equipment were at work immediately after the hurricane made landfall in the region in late August. As of October, Resolve has tackled numerous projects, several of which are concurrently ongoing.

Since Resolve arrived in the area and set up its base of operations in Mobile, Ala., personnel have spearheaded the U.S. Coast Guard's efforts to identify, assess and document the hundreds of vessel casualties in the area to determine which casualties pose either navigational or environmental hazards.

So far, Resolve teams have documented over 450 vessel casualties - some stranded as far as a quarter mile inland. Resolve salvage crews salvaged a shrimping vessel blocking a navigation channel in Bayou Labatre, Ala., and are currently in the process of removing several other commercial fishing vessels posing similar hazards.

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#### **Crowley Reopens New Orleans Office**

Crowley reopened its New Orleans office in the wake of Hurricane Katrina following an all clear from local and federal authorities. The office, which supports liner services customers, is located at 3300 W. Esplanade Ave. Suite # 605 in Metairie, La. The main telephone number there is (504) 831-8252.

The office, which is approximately seven and a half miles from downtown

scheduled service next spring on April 21, New Orleans, did not sustain damage from flooding thanks in part to its location on the sixth floor.

operations and support personnel for Crowley's gulf coast liner services group. "Given all that has occurred in New

The office houses eight full-time sales, Orleans in the aftermath of Hurricane Katrina, we are pleased to be reopening this office so quickly," said John Hourihan, Crowley's senior vice president and general manager, Latin America services.



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#### Donjon Available 24/7

Donjon Marine's 1,000-ton-capacity derrick barge Chesapeake, the largest floating crane on the East coast, performs salvage work in Venice, La., in support of the Katrina and Rita Hurricanes Response. Shown here, the crane is lifting 85-ft. fishing boats displaced by the hurricane. While Donjon is the lead Salvage

Contractor for the Katrina Response as a result of its U.S. Navy Salvage and Related Services Contract, the company has contracted numerous American Salvage Association (ASA) and non-ASA Marine

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Salvors in support of the overall response. ASA members T&T Marine, Resolve Marine, Bisso Marine, and Titan Maritime, as well as myriad others, continue to support the region as salvage subcontractors to Donjon.

#### Rowan Updates Fleet Status

Rowan Companies announced that, in the aftermath of Hurricane Rita and the resulting damage sustained by its offshore fleet, the company is taking steps to accelerate the replacement of lost revenues.

The company had one of its jack-up rigs, the Rowan-Louisiana, severely damaged during the storm while three other jack-ups, the Rowan-Odessa, Rowan-Halifax and Rowan-Fort Worth, are missing and have apparently sunk. The hull of the Rowan-Louisiana, with some leg section intact, survived the storm and was aground near Cameron, La. Underwater surveys conducted thus far show the detached legs of each rig at its pre-storm location, though very little other debris from the rigs has been detected in the immediate area. The rigs were operating under contracts that provided for total revenues of approximately \$290,000 per day, and are collectively insured for approximately \$26 million more than their aggregate carrying value.

Danny McNease, Chairman and CEO, said, "Twice in a matter of weeks, Mother Nature has dealt a tremendous blow to the entire Gulf Coast region, and Rowan was not spared.

First, we have increased our land rig construction budget. By the end of the second quarter of 2006, we should have nine additional land rigs working under term contracts and collectively contributing approximately \$200,000 of incremental revenues per day. Second, we are reviewing the economic feasibility of accelerating the construction of our third Tarzan Class jack-up, the Hank Boswell, which is currently on schedule for delivery during the fourth quarter of next year. We are also reviewing the possibility of accelerating the construction of Tarzan IV. Third, we are expanding our steel production capacity in Longview, Texas, which

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should expedite the delivery of jack-up rig kits, and are reviewing options for increasing the capacity of our Vicksburg, Miss., shipyard. Fourth, we are inspecting the hull of the Rowan-Louisiana and have begun to assess the feasibility of returning the rig to service.

"These actions would not be possible without the company's manufacturing capability. Through our ownership of LeTourneau, LEWCO and OEM, Rowan is uniquely positioned to manage the construction schedule for our new rigs and many of their major components while ensuring the availability of parts and services. In this effort, we are able to draw upon the expertise of our drilling and manufacturing personnel. "Market conditions in Rowan's primary businesses have never been better, and the outlook remains very favorable. Drilling day rates in the Gulf of Mexico have moved well beyond previous records and our manufacturing backlog, at over \$300 million, is at an alltime high. Recent events should only increase the demand for drilling equipment and components and the upward pressure on jack-up day rates. The company is poised to benefit on both fronts."

#### Raven Donates Nav Systems for Ports

Raven Industries, Inc. said its Flow Controls Division is providing 10 of its GPS-based Wheelhouse ship pilot navigation systems to the Mississippi River professional ship pilots organizations in the New Orleans area at no charge. This package, which normally retails for over \$150,000, is in support of the restoration of the combined Ports of New Orleans and Baton Rouge. "These systems will increase safety and make navigation possible under the extreme conditions now faced by large vessels operating along the Mississippi," said Raven President and CEO Ronald M. Moquist. In addition to the navigation hardware, Moquist also noted that Flow Controls' Marine group has been supplying on-site support for training and operations as well. Near real time chart data updates will also be provided from the Marine group office in Austin, Texas as information becomes available from the US Army Corps of Engineers, the National Oceanic & Atmospheric Administration (NOAA), the US Coast Guard, and the pilot organizations. These systems and support are being supplied under a no-cost agreement to the professional ship pilot organizations. Captain Doug Grubbs, of one of the ship pilot organizations, said "Within days following Hurricane Katrina, Raven Industries came to the aid of the Mississippi river pilots to help reopen the combined Ports of New Orleans and Baton Rouge. The 10 GPS and AIS (Automatic Identification System) carry-aboard navigation systems, as well as on-site support by Raven personnel have been critical to the successful reopening of the largest combined port in the country."

### AUV Begins GOM Projects

C&C Technologies' second deepwater AUV, C-Surveyor II, recently began field operations in the Gulf of Mexico. The C-Surveyor II vehicle was initially delivered to C&C's corporate headquarters in Lafayette, La., on June 3, 2005. Over a period of three months, C&C system engineers integrated proprietary hardware and software into this next generation AUV and mobilized it on its mother ship the R/V Northern Resolution.

The C-Surveyor II AUV is modeled after C&C's C-Surveyor I, and includes numerous advances. Survey sensors include multibeam onboard а echosounder, chirp side scan sonar, chirp sub-bottom profiler, methane detector, CTD system, and an Edgetech DW106 sub-bottom profiler customized with narrow transmit and receive beams to permit significantly deeper seabed penetration. In December 2005, C&C intends to upgrade the chirp side scan sonar to a new Dynamically Focused (DF) sidescan sonar system capable of providing five times more resolution than traditional systems. Over the next three months, C&C will be performing various surveys for government agencies, as well as the oil and gas industry, including block hazard, pipeline hazard and investigation surveys.

### Beier Radio Survives

Beier Radio, specializing in marine control systems for more than 60 years, survived the wrath of Hurricane Katrina and is currently operating out of branch office in Morgan City, La. Normally located outside of New Orleans in Belle Chasse, there was very little damage to the home office and now only barricades are keeping the company from operating there. Other than being displaced, family owned and operated Beier Radio is still in business. Customers can call for service, support and order placement and they will be accommodated. With many boat manufacturers based around the Gulf. Katrina affected much of the workboat industry. "Our hearts go out to all of those people that lost their businesses," said Karl Beier, president. "We know many of our friends and colleagues in the area were not as fortunate as us and we hope to help them in any way we can." "We are very thankful that our facilities only sustained minor cosmetic damage. Most importantly, all of our employees are safe and we're all looking forward to rebuilding the marine industry."



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## **Coastal Marine Acquires McElroy/Catchot Winch**

Coastal Marine Equipment, Inc., manufacturers of marine deck machinery and machinery for the double hull new build and retrofit barge industry, has acquired the assets of McElroy/Catchot Winch Company, Inc. of Ocean Springs, Miss., formerly McElroy Machine & Mfg. Co.,

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Inc., established 1915. Coastal Marine will add to its complete line of marine deck machinery by providing parts, service and technical support for all of the products, which previously made up the McElroy/Catchot product line.

Coastal Marine, established in 2001,

has provided equipment, service, support and technical knowledge to an everchanging market and diverse customer base. This presence is reflected by its customer list which includes Bollinger Shipyards, Penn Maritime, Leevac Shipyards, Hornbeck Offshore, Senesco, U.S. Ship-



ping, Tidewater Marine, Bouchard Transportation, Nichols Brothers Boat Builders, Allied Towing, Bay Shipbuilding, K-Sea Transportation, Alabama Shipyard, Seacor Marine, Master Boat Builders, McAllister Towing, Eastern Shipbuilding, Otto Candies, VT Halter Marine, Harvey Gulf International, C & G Boats, U.S. Navy, NOAA, Woods Hole, J. Ray McDermott and Sirius Maritime just to name a few. Coastal Marine Equipment offers a complete line of marine deck machinery including, but not limited to, anchor windlasses, mooring winches, anchor winches, hose reels, capstans, escort winches, towing winches, tugger winches, ramp winches, spud winches, cable storage reels, as well as general fabrication, machining services, testing, installation, maintenance and repair services.

#### Federal Money for Bay Area Ferry System Expansion

The San Francisco Bay Area Water Transit Authority (WTA) announced that the recently passed federal transportation bill, SAFETEA-LU designated the WTA as the recipient of \$14 million for ferry boat and terminal construction.

For the first time, the Bay Area's ferry system will receive Federal funds to build new boats and terminals. "The federal dollars provide a steady stream of revenue and helps us to delivery new routes faster," said Charlene Johnson, president, WTA Board of Directors.

This set aside of \$2.5 million per year for a total of \$10 million in new Federal Transit Administration (FTA) funds over the next four years will allow ATA to plan the acquisition of new boats and terminals.

Currently, the Bay Area Ferry system is the third largest in the nation, but has yet to receive set-aside of federal ferry funds until the passage of SAFTEA.

SAFTEA benefited ferry operator by increasing the FBD from \$38 million per year to \$55 million for the first year (2005) and \$67 million by FY 2009. The WTA's federal legislative team worked with a coalition of other ferry operators, maritime labor and business groups to seek this increase.

Since 2001, WTA has received \$4.6 million from the Federal Ferry Boat Discretionary FBD fund.

The WTA secured \$4 million for the South San Francisco Ferry Terminal. The new South San Francisco to East Bay Ferry Service will be the first new commuter ferry route to start in Bay Area in over a decade and is scheduled to start in 2008.

The WTA plans to select a shipyard to build the vessels in Spring 2006 and undergo environmental review.

#### Selecting the Best Engine for Your Boat Design

#### by Vikas Gaur

A variety of factors should be considered when selecting the proper engine for your boat: power, durability, fuel consumption, ratings, service options and more. It may be surprising to some that engine sizes and weights are not especially good indicators of engine or vessel performance. Powering Up. One chief consideration in engine selection is the engine power available at the different operating rpm's:

- Will the engine(s) provide sufficient torque under all scenarios?
- Will the engine(s) provide sufficient boat speed or acceleration?
- Will the engine(s) have sufficient power reserve for bad weather and emergency crash reversals?

A naval architect or boat designer should be able to tell you how much power will be required from the engine(s). This calculation will be based on your desired speed requirement, the type of hull - displacement, semi-displacement or planing - the pitch and dimensions of the propeller, and the size and weight of the boat including cargo.

#### Grading on a Curve

Given a particular boat design, the propeller's demand for power is represented by the propeller demand curve, as illustrated in Figure 1. The catch is that no single propeller demand curve will represent

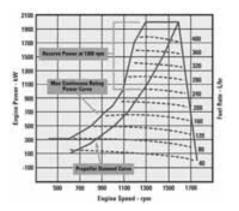


Figure 1: Engine Performance Curves

all of the possible operating scenarios for a single vessel. In most cases, a propeller demand curve will represent power requirements under ideal (theoretical) operating conditions. It should be noted that the propeller demand curve actually moves to the right (i.e. drops) when the vessel starts gaining speed. The worst engine loading conditions are bollard pull (stationary propeller demand) and emergency crash reversals (reverse water flow through the propeller).

A second type of curve is the max power curve, which represents the power output (bkW or bhp) of a particular engine at different rpm's. This curve is your key to making an apples-to-apples comparison between two or more engines.

The max power curve will also tell you whether the engine in question will pro-

vide adequate power for your particular boat design. Set the max power curve and the propeller demand curve on the same graph. At all operating points, the max power curve must exceed the propeller demand curve. The difference between the two curves is your excess power, which you will draw for acceleration, especially in the low to mid range or during demanding conditions, e.g., heavy

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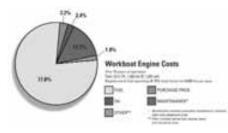
Seward Ship's ACE Hardware Mile 1 Seward Hwy, PO Box 944 Seward, AK. 99664 PH: (907) 224-5640 FAX: (907) 224-5649 e-mail: sewardshipschandlery@seward.ne1 seas, low water, narrow channels, high wind, etc. With each condition, the propeller demand curve will shift. Wherever the demand curve shifts, the max power curve must remain above it. If it doesn't, the engine will be in a "lugged condition," which means it will not be able to further increase boat speed or provide any acceleration. Comparing Fuel Economy

In comparing two engines, one should look at how they achieve their power. Is it through added complexities, such as complicated air systems or multiple turbo charges flipped on and off by valves and computers? Or is it through simple efficiency in design? Complicated solutions will often compromise fuel economy and reliability - both critical aspects of a marine engine design.

The fuel economy of an engine should be clearly mentioned in the specifications, with clear indications as to whether the fuel, water and oil pumps are included in the calculation. Also, be sure to note the degree of accuracy in fuel consumption numbers. A variation of +/- 3 percent is reasonable.

#### **Comparing Variables**

Beyond power, the boat owner needs to give due consideration to the engine durability, reliability, fuel costs, parts pricing, quality and availability of service - all these variables contribute to the cost of



#### Figure 2: Workboat Engine Costs

ownership over the life of the engine. Figure 2 illustrates how such costs make up the larger share of the pie for a workboat (very high hours per year and high load factor type operations), in comparison to the initial purchase price of the engine. This chart would be significantly different for a yacht or a fishing boat as the vessel duty cycles are completely different.

#### **Comparing Ratings**

Another point of comparison is the engine's rating. Most manufacturers have engine ratings for "continuous operation" (full power for long duration), "high performance" (high speeds and high power for short periods of time), and "intermittent operation" (somewhere between the two extremes). There is a tradeoff to be made: One trades hours of operation for higher power output. The same engine by the same manufacturer can be rated differently, so while the rating may change, the benefits associated with that engine - e.g., reliability, durability and service - remain the same. It's critical that you match your projected schedule of operation with the duty cycle of the engine.

The difficulty comes in comparing ratings between one or more engines from different manufacturers. "Continuous operation" for one manufacturer may mean unrestricted operation at full power. For another, continuous operation may be something less than unrestricted operation. The only sure way of comparing ratings is to look at the numbers. Each engine is assigned a percentage of time that it may operate at full power.

#### **Comparing Size and Weight**

Other common points of comparison between engines are size and weight, but neither of these, in fact, is an especially good indicator of engine or vessel performance. Engine weight when evaluated in the context of the entire weight of the vessel is usually dwarfed when represented as a percentage of the total vessel weight.

In terms of size, bigger is not necessarily better. With today's engine technologies, the physical size (or displacement) of the engine is only one among many variables contributing to overall perfor-



mance, durability or length of time until overhaul.

#### **Comparing Service Options**

Every engine will require service at some point. How often will it require service? How long until an overhaul becomes necessary? Will there be someone available to provide you with the services you need when you need them? There is no easy statistical means of comparing the track record of different engines, given their many uses and applications. Nevertheless, boat owners and operators are usually forthright in their qualitative evaluation. There is no reason not to ask other boat owners or operators, including your competitors, for their views.

One of the best ways to project relative service costs is to locate the manufacturer's service dealers and make a comparison:

Are the locations convenient, given the routes the boat will run?

How large are the service facilities? Will they be able to meet your service requirements in a timely fashion? To compare the size of service dealers, ask for the total dollar value of the parts in stock and the number of factory trained technicians on staff. Also, are there dedicated marine technicians on staff? How do the prices compare? Ask for the list price of a set of bearings, set of pistons, a cylinder head and injectors, and compare.

How would you rate the level of experience among management? Is the management oriented toward maritime applications?

What is the dealer's overnight parts availability percentage? Parts may be less expensive at dealer A than at dealer B, but how long do you have to wait for the parts?

Conclusion. When selecting engines, boat owners must know what to compare and what not to compare. Engine weight and size should not be points of focus. Rather, look to quantitative comparisons concerning power output at various rpm's. Make sure that the output exceeds demand in a full range of operating scenarios. Engine power ensures that your vessel fulfills its transportation objectives, so it is closely linked to your bottom line. A second quantitative comparison is fuel consumption. Finally, look ahead to service. Make sure it will be available where and when you need it.

#### About the author

Vikas Gaur is Sr. Marketing A&I Engineer in charge of 3500 marine market support for Caterpillar Marine Power Systems.





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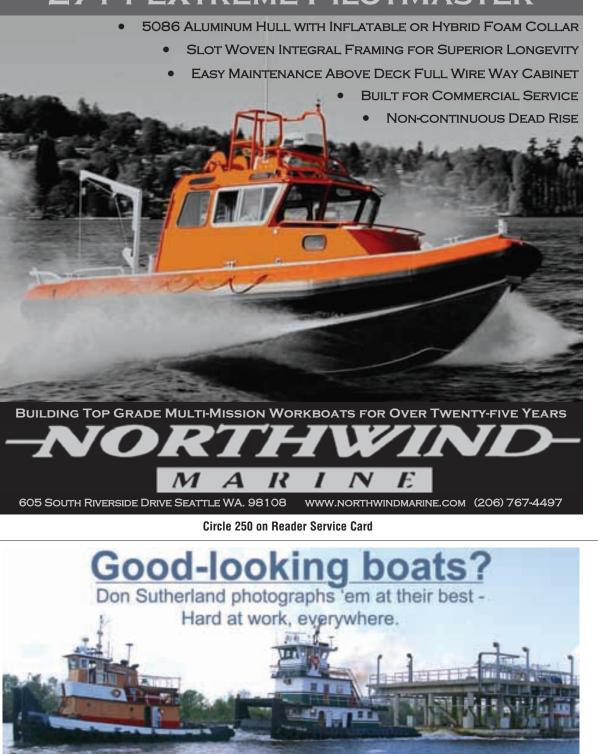
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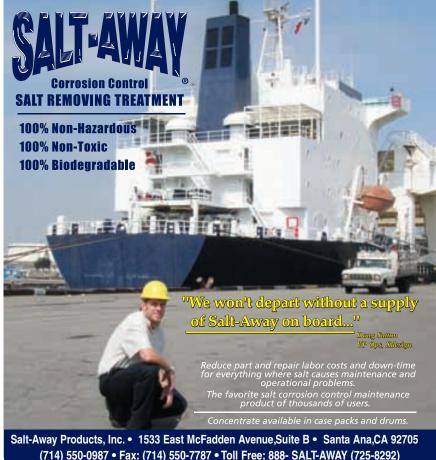
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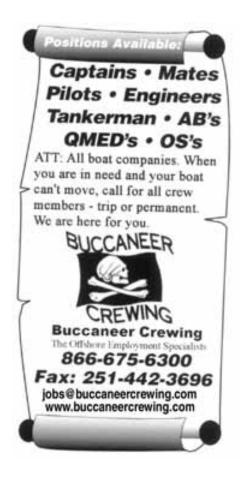
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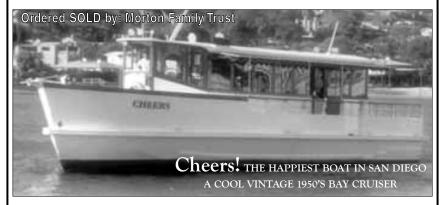


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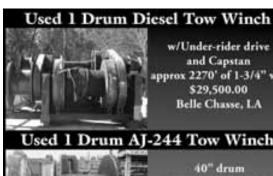


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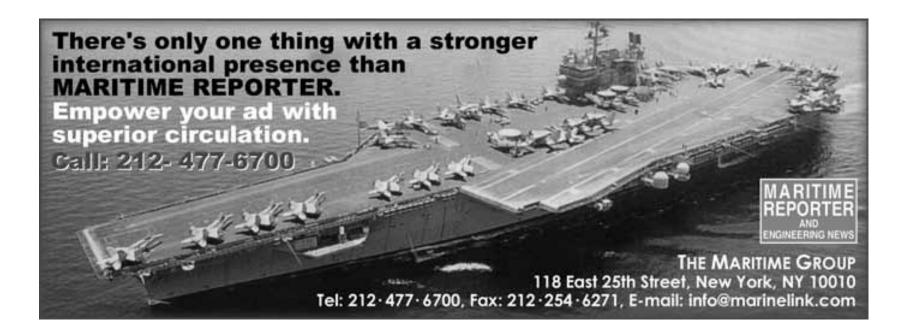


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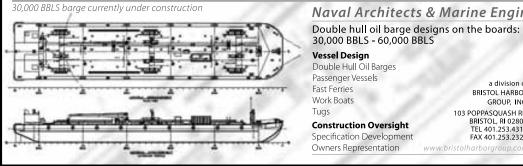
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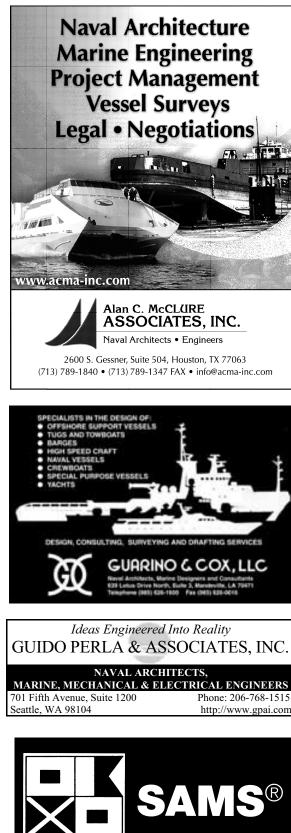
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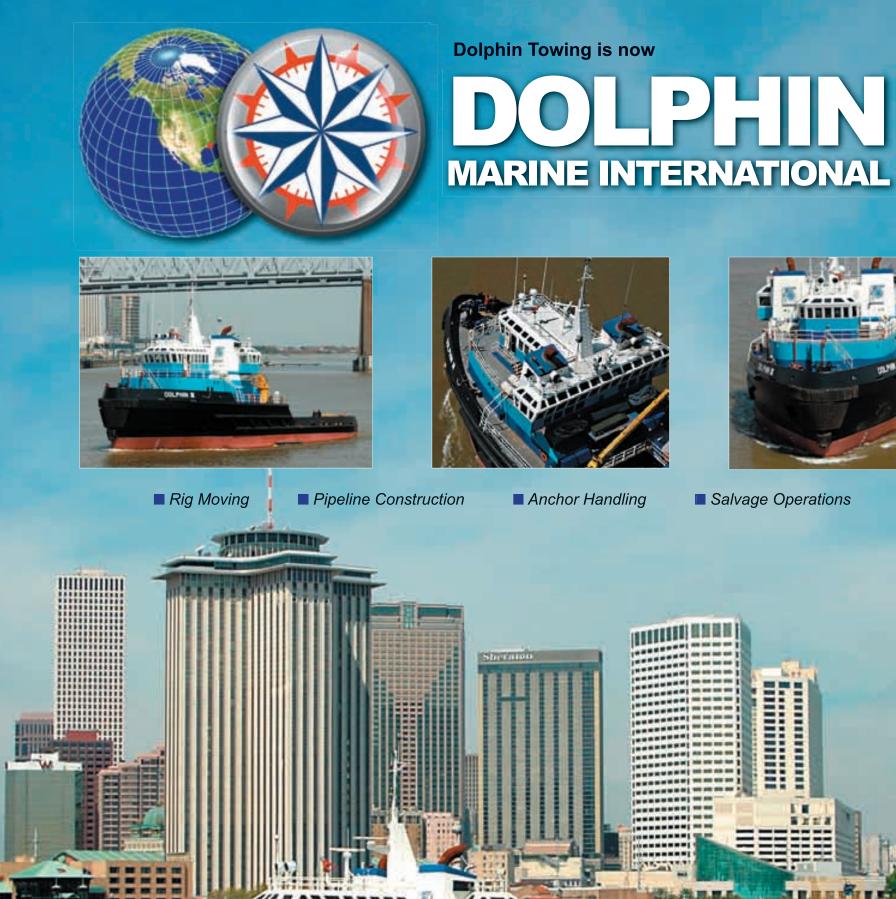
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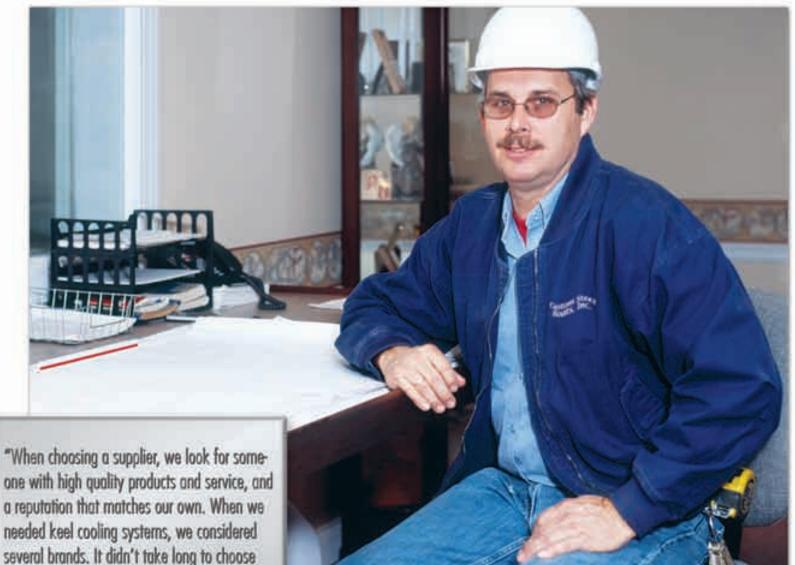
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