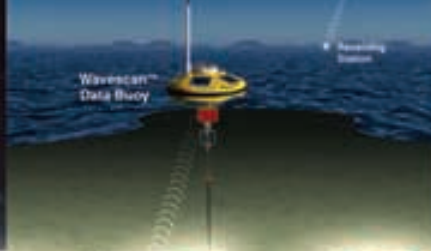
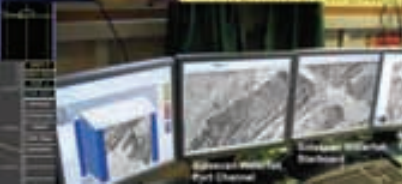
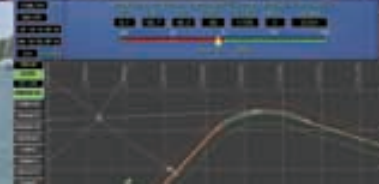
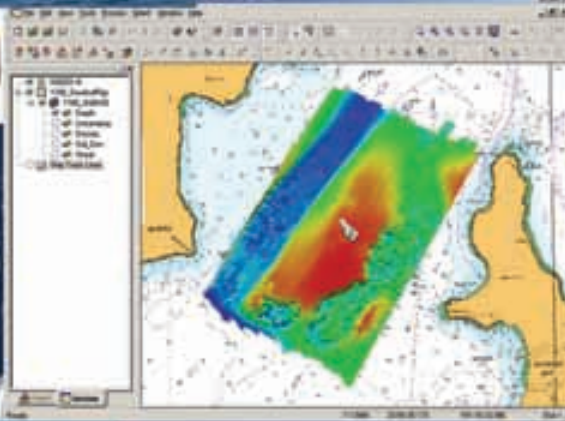


# MARINE TECHNOLOGY REPORTER

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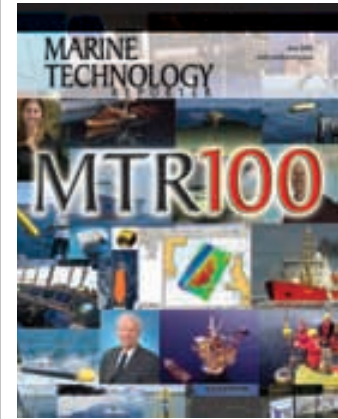


# MTR1000



# on the Cover

Images from the chosen MTR100 companies. (See story on page 13)



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## Sohre Turbomachinery

PO Box 1099, Monson, Mass. 010507  
Tel: 413 267-0590 • Fax: 413-267-0592  
info@sohreturbo.com • www.sohreturbo.com

(See Profile on page 48)

## QinetiQ

Cody Technology Team, Ively Road, Farnborough, GU14 0LX  
Tel: +44 (0)8700 100942; Fax: +44 (0)252 393399  
E-mail: CustomerContact@QinetiQ.com  
CEO: Graham Love  
Chairman: Sir John Chisholm  
Managing Director: Ian Prescott  
Number of Employees: 11,500+

QinetiQ is a defense and security technology company that was formed in July 2001 from the U.K. Government's Defense Evaluation & Research Agency (DERA). Diver Reconnaissance system, Hullforms and hydrodynamics, Innovative marine concepts, Marine power system; Communications, Submarine to

surface communications, submarine concepts and design, unmanned underwater Vehicles.

## RBR Ltd.

27 Monk St. Ottawa, Ontario Canada K1S 3Y7  
Tel: 613-233-1621; Fax: 613-233-4100  
Email: info@rbr-global.com  
Web address www.rbr-global.com  
President: Dr. Frank Johnson  
Vice-President: Kara-Lee Golota  
Director Marketing/Sales: Bart Geleynse  
No. Employees: 15

(See Profile on page 45)

## RESON Inc.

100 Lopez Road, Goleta, CA 93117  
Tel: 805-964-6260; Fax: 805-964-7537  
E-mail: sales@reson.com or sales@reson.dk  
CEO: Allan Vestergaard  
President: Allan Vestergaard  
Sales Manager-Global Sales: Kim Christiansen

Reson meets the most stringent requirements of advanced offshore

surveying activities and marine exploration and provide compelling value to its costumers by offering underwater acoustic solutions that span the entire spectrum of high-performance sonar systems, data collection, and presentation software. Reson specializes in the design, and development of advanced multi-beam sonar systems, single-beam echosounders, transducers, and hydrophones. Ever since 1976, Reson's series of SeaBat multibeam sonar systems, NaviSound Single-beam echosounders, PDS2000 survey software and related hydrographic equipment have made Reson a respected partner for customers in the dredging, hydrographic, marine research, naval, and offshore oil and gas sectors.

## Tyco Telecommunications

60 Columbia Road, Morristown, NJ 07960  
Tel: 866.892.6611; Fax: 978.656.8131  
Email: sales-hq@tycotelecom.com  
Number of Employees: 650

Tyco Telecommunications, an industry pioneer in undersea communications technology and marine services, is a leading supplier for today's undersea communications requirements. Drawing on its heritage of technical innovation the company delivers the most reliable, high-quality solutions to customers with undersea communications needs vital to their core mission. With more than five decades of operation, Tyco Telecommunications has designed, manufactured, and installed more than 80 undersea fiber optic systems around the world. Tyco Telecommunications' global presence, backed by industry leading research and development laboratories, manufacturing facilities, ships, depots, and management team work together to implement integrated repeatered and repeaterless solutions and network upgrades, with unsurpassed reliability, from system conception and design to ongoing maintenance that support the needs of telecommunications, Internet providers, offshore oil and gas and science customers worldwide.

### Technology Profile

Tyco Telecommunications' laboratories continue to build on a legacy of leading technological innovation. Tyco Telecommunications' efficient and effective cycle from research to product realization ensures that customers receive the most advanced solutions available while minimizing risk. Current research and development efforts are driven by customer demand for lower-cost solutions that

enable long-term growth. Tyco Telecommunications' commitment to forward-looking, customer-focused technology enables the delivery of the most cost-efficient networks on the market.

Technology capabilities include:

- Repeatered Communication Systems
- Tyco SL 17 Undersea Cable - over 128,000 km installed
- 980 nm Repeaters with high loss loop back supervisory monitoring - over 355 million amplifier hours without amplifier failures
- DWDM, 10 Gb/s transmission with Forward Error Correction allows virtually error free transmission
- Repeater-less Communication Systems
- Successfully deployed near 400km km segment capable of carrying 320Gbs
- Cost effective regional festoon systems
- Offshore Oil and Gas Systems
- Fully integrated solutions for linking rig to land and rig to rig



Bill Marra

available today. Tritech also specializes in a comprehensive range of sub-sea cameras and red and green laser metrology systems. A fast developing range of mechatronic equipment that is very important to the company's future are Intelligent Valve Packs, Intelligent Power Packs, solid state motion reference units and Gyro compasses.

### **Triton Imaging, Inc.**

125 Westridge Drive, Watsonville, CA 95076  
Tel: 831-722-7373; Fax: 831-772-1405  
E-mail: jthomas@tritonimaging.com  
CEO: Kathleen Newton  
President: Kathleen Newton  
Marketing Director: John Thomas  
Number of Employees: 8  
Annual Sales: \$2 million

Triton Imaging, Inc. is a software and hardware provider of multi-component data acquisition systems and advanced data processing solutions. Founded in 1983, Triton excels at complex system integration, sophisticated visualization platforms, and rapid product prototyping of new imaging concepts. Triton pioneered commercial data acquisition and data processing products for seafloor imaging applications. Triton is implementing new technology initiatives that provide a broad range of answers to the increasing demand for advanced system capabilities, including visualization technology for scan-based security products for homeland defense. Triton also develops and markets turnkey solutions for acquiring, processing, visualizing, and interpreting a wide array of data types including sidescan sonar, forward-looking sonar, synthetic aperture sonar, multibeam bathymetry, sub-bottom profiler, shallow seismic, ground penetrating radar, volumetric data, navigation, motion reference, laser line scan and many other scan-based information streams. The true power of Triton imaging technology

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lies in its "intelligent connectivity" - the ability to acquire and combine data from a myriad of sensors and ancillary systems, and to automatically present the results in an intuitive manner.

### **Turner Designs, Inc**

845 W. Maude Avenue, Sunnyvale, CA USA 94085  
Tel: 408-749-0994; Fax: 408-749-0998  
E-mail: sales@turnerdesigns.com  
CEO: James Crawford  
President: James Crawford  
Vice President: David Doting  
Marketing Director: Chelsea Donovan  
Sales Manager: Patrick Sanders  
Number of Employees: 40  
Annual Sales: \$7 million

Turner Designs, Inc. was founded in 1972 by George Turner and for



three decades, has manufactured rugged and reliable field, laboratory, submersible and on-line instrumentation. Turner has produced thousands of fluorimeters which allow scientists, engineers and technicians to take field and laboratory measurements in accordance with strict analytical standards.

### **Tyco Telecommunications**

60 Columbia Road, Morristown, NJ 07960  
Tel: 866.892.6611; Fax: 978.656.8131  
Email: sales-hq@tycotelecom.com  
Number of Employees: 650

**(See Profile on page 52)**

### **Vetrotech Saint-Gobain Marine**

Graafschap Hornelaan 196, Weert, Netherlands, 6004HT  
Tel: +31495574435; Fax: +31495574436  
E-mail: info@vetrotech.nl  
Number of Employees: 500

Annual Sales: \$36 million

Vetrotech Saint-Gobain has a history of supplying fire resisting glass in the marine market. Experience combined with the fire resisting glass products offers the best in optical and safety performance in marine applications. The SGG Contraflam Marine A60 apart from being fire and hose-stream resistant it can be combined with multiple properties such as sound insulation, sun reflection, bullet and explosion resistance. The company is developing a new A0 product that fulfills the high optical demands for wheelhouse windows required on Offshore supply vessels.

### **Waller Marine, Inc.**

14410 W. Sylvanfield, Dr., Houston TX 77014  
Tel: 281-444-9650; Fax: 281-444-8055  
E-mail: awaller@wallermarine.com  
CEO: David B. Waller  
Vice President: Stephen McKillop  
Marketing Director: Anthony P. Waller  
Number of Employees: 30

Waller Marine, Inc is a Naval Architectural, Marine Engineering & Marine Contracting company serving all aspects of the marine transportation and offshore oil & gas industries. While the company provides classic naval architectural support to its clients for new and existing vessels, drill rigs and production units, there is much focus on new, innovative applications of traditional land based technologies to floating or offshore use. Recent and current projects cover large floating power generation facilities, gas to liquids (GTL) plants for the production of ultra clean diesels and gasolines, and large scale floating gas to methanol plants.

### **Washington Chain & Supply Co.**

2901 Utah Ave. South, Seattle, WA 98134  
Tel: 206-623-8500; Fax 206-621-9834  
E-mail: craig@wachain.com  
President: Darrell Castle  
Vice President: Bert Cehovet

**Number of Employees: 26**  
**Annual Sales: \$12 million**

Washington Chain & Supply has been filling the supply & service needs of the marine, construction, and offshore drilling industries since 1954. Maintaining perhaps the largest inventory of heavy hardware & wire rope in the U.S. WCS can provide Certificates with our 1,000 ton testing machines, certified by American Bureau of Shipping, Lloyds Register of Shipping, U.S. Dept. of Labor & DNV.

## Woods Hole Group Inc.

81 Technology Park Drive, East Falmouth, MA 02536  
Tel: 508-495-8253; Fax: 508-540-1001  
E-mail: wdgraffon@whgrp.com  
CEO: Dr. David Aubrey  
President: Dennis Aubrey  
Vice President: Robert P. Hamilton, Jr.  
Sales Manager: William D. Grafton III  
General Manager: Robert Catalano  
Engineering Director: Dr. Bruce Magnell

The Woods Hole Group, Inc. was founded in 1986 by Dr. David Aubrey, who assembled a team of coastal sciences, engineering and planning personnel. The firm estab-

lished a reputation for improving transboundary environmental policy with projects in the Black and Caspian Seas. To bolster offshore capabilities, an oceanographic equipment company was acquired in 1991, adding oceanographic and engineering personnel. Building upon a standard product line of wave, tide and current meters (WHISL), the emerging oceanography and measurement systems team grew to specialize in real-time systems and developed proprietary software for data display and management. The team specializes in real-time measurement systems and physical oceanographic/engineering studies for offshore energy and port/harbor applications worldwide including a network of international representatives in 20 countries.

### Technology Profile

Woods Hole Group's coastal sciences, engineering and planning team has developed unique computer models for waves, tides, currents, sedi-

ment transport, and contaminant transport and fate. They are applied to design shore protection, dredging, habitat restoration and remediation projects. Its oceanography and measurement systems team designs, integrates, installs and operates real-time met-ocean monitoring systems for offshore oil and gas applications, as well as port and harbor environments. Proprietary software was developed to turn real-time data into the information required by marine decision-makers. This team is actively involved with new research and development initiatives involving sea bed telemetry of deepwater currents.



Robert Catalano, VP



Robert P. Hamilton, Jr., VP

## IXSEA Expands in U.S.

IXSEA announced the appointment of Larry Buchanan as Sales Manager for the Gulf of Mexico and West Coast of the U.S. Buchanan attended Indiana University. He joined the offshore survey sector in Houston, Texas in the 1970's and since, has worked extensively in the marine surveying business. His experience in the offshore industry includes hydrographic and marine surveying and construction projects worldwide. Buchanan has authored numerous works and serves with several industry organizations for establishing survey standards and continues to work toward improvements in tools and techniques in marine surveying and mapping.

"We are delighted that Larry has come onboard and he indeed brings extensive experience in both the offshore



and survey industries," said Managing Director of IXSEA INC., Stephane Loel. "This comes at a time when IXSEA is expanding its operations: we have recently moved to new offices in Woburn, MA to meet the demands of our customers and our growing business."

The new IXSEA address is: IXSEA Inc., 500 West Cummings Park, Suite 1000, Woburn, MA 01801, Tel: (781) 937-8800; Fax: (781) 937-8806.

## Canyon Charters Tyco Decisive

Tyco Telecommunications has chartered the Tyco Decisive to Houston-based Canyon Offshore for four months beginning June 1, 2006. The ship will function as the support platform for two remotely operated vehicles (ROVs) including the pipeline trencher Supertrencher II and the work-class ROV Triton XL. The operation will facilitate trenching and inspection in two areas: the Gulf of Mexico and the North Sea.

"Canyon's ROV capabilities combined with the state-of-the-art Tyco Decisive provide the oil and gas industry an innovative and cost-effective alternative to traditional solutions at a time when resources are limited and prices are rising," stated Scott Sparks, vice president of Trenching Services for Canyon Offshore.

The Tyco Decisive, one of six Reliance-class vessels in the Tyco Telecommunications fleet, is a versatile, 140-m vessel based in Baltimore. The vessel has an American Bureau of Shipping dynamic positioning system 2 (DPS-2) classification, enabling a variety of complex offshore operations anywhere in the world.

### **Caledonian MacBrayne Buy AC-ROV**

AC-CESS sold an AC-ROV vehicle to Scottish West Coast and Islands ferry operator Caledonian MacBrayne (CalMac). "It's the best underwater vehicle of this type I've seen," said CalMac representative Mr John Solton. "We can now carry out on the spot prop and hull inspections with the minimum of fuss and disruption. The AC-ROV ticks all our inspection boxes: it fits in one case, is very rapid to deploy (under 3 minutes), it fly's sideways, is robust and simple to use." CalMac currently owns and operates a modern fleet of 31 vessels providing passenger, vehicle and shipping services to the islands off the West Coast of Scotland and in the Clyde estuary. There are currently 26 routes within the network. In 2004, more than 5 million passengers and over one million accompanied cars were carried on the company's services.

### **CARIS Call for Papers for Kuala Lumpur in 2007**

CARIS is inviting submissions for abstracts for paper presentations at CARIS 2007, 11th CARIS User Group Conference and Educational Sessions, March 5 - 8 in Kuala Lumpur, Malaysia.

Attendees attend CARIS conferences to explore the future of marine and hydrographic geomatics software.

CARIS 2007 organizers are seeking submissions that are applicable to one or more of the following topics: Hydrographic Operations; Production System; Ports and Waterways; Law of the Sea; and Geospatial Standards: Advantages.

CARIS is offering free conference registration for those speakers selected. Abstract submission deadline is November 15, 2006. Full details on the submission process are available online at [www.caris.com/caris2007](http://www.caris.com/caris2007).

### **Statoil, Schlumberger Work to Extend Life of O&G Fields**

Statoil ASA and Schlumberger Information Solutions (SIS) entered into a three-year agreement to develop new production optimization technologies to extend the life of oil and gas fields, an agreement valued at \$16m.

"The goal of the project Production and Process Optimization is to develop methodology, technology and IT solutions that will enable us to have a set of consistent and updated models of the subsurface and topside facilities as a tool for improved reservoir and production management," said Rolf H. Utseth, vice president of research and technology, Subsea Increased Oil Recovery, Statoil.

### **Rutter Names New Engineering and Automation President**

Rutter Inc. said that Glenn Willar, P. Eng. will become the new President of Rutter Engineering & Automation Inc. "This decision follows a succession planning exercise that began some months ago when Mr. Gerry Germain informed us that he would retire this year," said Donald I. Clarke, Chairman and CEO of Rutter Inc.



**The NYS Thruway Authority/Canal Corporation is seeking to retain a qualified Naval Architecture/Engineering firm to provide design services for the design of a "Hopper Configuration" Container Transport Barge.**

**Interested firms should contact Peter Weisbecker at (518) 471-5375 for a more complete description of the requirements.**

Visit [www.maritimeequipment.com/mt](http://www.maritimeequipment.com/mt) & Click No. 210