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GENERAL OCEAN NEWS

1.a) US NAVY CHOOSES THE NEW SENTINEL DIVER DETECTION SYSTEM FROM SONARDYNE

The US Naval Sea Systems Command (NAVSEA) has chosen Sonardyne International Ltd to supply multiple Sentinel sonar heads for the new Integrated Swimmer Defence System led by the Program Executive Office, Littoral Mine Warfare (PEO-LMW - PMS480). In addition to the equipment provision, Sonardyne has also been awarded a contract related to the integration and deployment of Sentinel systems as part of an expeditionary warfare requirement.

The contracts, valued in excess of US\$1 million, follow successful trials in October 2007 when Sentinel was shown to meet the US Navy's performance requirements for diver detection. Sentinel demonstrated rapid deployment and performance in an equipment package that is smaller, lighter and more cost effective than previous generations of anti-swimmer sonars.

Sentinel was developed by Sonardyne to meet the specific requirements of the expeditionary warfare community yet the system has already proved itself equally adaptable to other applications. Despite the use of sophisticated surface perimeter protection systems, underwater security has, until now, been acknowledged as the weakest link in the defence of ships and on-shore facilities. These have been vulnerable to underwater threats that include attack, sabotage or smuggling. Because of this, uses for Sentinel are expected to range from the protection of vessels such as cruise ships and superyachts, to underwater perimeter security for sensitive coastal assets including power stations, oil and gas terminals, strategic industry and ports and harbours. For more information, please visit www.sonardyne.co.uk

1.b) ETS INVESTS IN SONARDYNE TECHNOLOGY TO SUPPORT CUSTOMERS IN DEEP WATER OPERATIONS

Equipment and Technical Services (ETS) Inc. based in Houston, has made a major commitment to supporting its customers' deep water operations with the purchase of Sonardyne Wideband® Compatt 5 transponders. As specialists in subsea equipment management and rental, ETS will now have the capability to supply operators in the Gulf of Mexico with high accuracy Long Base Line (LBL) positioning equipment for construction survey applications in water depths to 5,000 metres.

This order for Compatt 5s compliments ETS's existing inventory of Sonardyne equipment which includes ROVNav 5 transceivers rated to 7,000 metres. Both products incorporate Sonardyne's successful Wideband technology that has been repeatedly demonstrated as the best solution for use in deep water and acoustically crowded operating environments. The fast position update rate and immunity to signal interference offered by the Wideband digital technology has been shown to overcome the problems commonly experienced with conventional analogue acoustic positioning systems.

Commenting on the order during the recent Underwater Intervention exhibition in New Orleans, ETS Vice President, Mike Knight said; "From talking to our customers in the region, it's clear that future contracts will find them operating in increasing water depths. By investing in appropriate acoustic positioning technology now, ETS will be ready to supply the rental market with the products it needs whatever the water depth." For more information email knight@ets-houston.co or visit, www.sonardyne.co.uk .

1.c) SONISTICS LTD REPRESENTING RUTTER TECHNOLOGIES INC WITHIN EUROPE

Sonistics Ltd is very pleased to announce that they are representing Rutter Technologies Inc within Europe. Sonistics is a UK based company supporting Submarine Escape, Rescue and Abandonment Systems and Sea Survival. Rutter Technologies Inc (<http://www.rutter.ca/>) are a Canadian company manufacturing high quality life jacket and life raft lights together with the latest in data recording products.

This new alliance will be launched at Oceanology International (ExCel, London 11-13 March) when a selection of the Rutter lights will be exhibited on stand 332. Sonistics will also be demonstrating serious games technology which allows high risk training to be simulated using a basic laptop computer. For further information please contact info@sonistics.com or visit www.sonistics.com

1.d) TURNER DESIGNS FLUOROMETERS ASSIST THE OIL SPILL EXPERTS

RS Aqua Ltd, UK representatives for Turner Designs Inc, the Californian fluorometer manufacturers, report the sale of SCUFA submersible fluorometers to Oil Spill Response Ltd (OSRL) the Southampton, UK based experts in dealing with oil spill events. OSRL already have a fleet of Turner 10-AU field fluorometers but required an alternative armoury of submersible, portable sensors for fast response applications. The two channel SCUFA sensors are kitted out to measure Crude Oil and Turbidity. The general mode of operation will be to have the sensor connected to a rugged laptop so that direct crude oil measurements can be taken during the operation to determine the scale of clean up progress. OSRL (www.osrlearl.com) have service bases in the UK, Bahrain and Singapore from where they can rapidly mobilise resources to deal with oil spill events anywhere in the world. For additional information on the Turner Designs range of fluorometers visit www.rsagua.co.uk or contact product specialist David Goldsmith at d.goldsmith@rsagua.co.uk

1.e) MARPORT RECEIVES R&D ASSISTANCE FROM NATIONAL RESEARCH COUNCIL CANADA

Marport, a subsea acoustics technology company, has signed a contribution agreement with the Canadian National Research Council Industrial Research Assistance Program (NRC-IRAP) that will provide the company with technical research and development assistance in the form of advisory services, networking, and monetary assistance.

Under the terms of the agreement, Marport will develop signal and image processing capabilities for next-generation sonar systems. The objective is to develop the tools necessary to enable high resolution sonar imaging through a synthetic aperture approach, including advanced signal shaping and beam-forming techniques for a multitude of applications.

Marport is already integrating a patented 3D imaging sonar with the company's innovative Software Defined Sonar (SDS) technology. Marport is a pioneering developer of SDS technology - an adaptive, future-proof solution for subsea sensing and communications. With SDS, one common platform replaces fixed hardware with programmable components that are controlled by software.

The Marport contribution agreement involves a financial contribution of \$498,300 from NRC-IRAP covering three fiscal years from 2007-10 fiscal years. For more information, visit www.marport.com

1.f) INTERNATIONAL OCEAN SYSTEMS HAS UNDERGONE A FULL REDESIGN

International Ocean Systems, a leading European-based magazine serving and informing the vast and important international oceanographic market, has just got even better. The March/April 2008 edition of the magazine, published on 28 February, has undergone a full redesign. The latest issue of the publication, which comprehensively covers the field of ocean data gathering, underwater surveying and instrumentation, offers the same values, quality writing, consistency and in-depth commentary as always, but with a great new look. For more information please contact Astrid Powell, publisher, International Ocean Systems, tel: +44 (0)20 8943 4288, e-mail: astrid@divermag.co.uk or visit www.intoceansys.co.uk

2. PRODUCT LAUNCHES

2.a) COST-EFFECTIVE MONITORING PLATFORM FROM OSIL AT OI 2008

OSIL (Ocean Scientific International Ltd.) will be launching their new range of robust and adaptable Data Buoys at Oceanology International 2008. They will be exhibiting the small and cost-effective Shearwater buoy on their stand, which illustrates the compact and light-weight design of the buoys. OSIL's Data Buoys provide the ideal monitoring platform for a wide assortment of instrumentation and their highly stable design makes them suitable for a variety of short and long term applications including ocean, river, coastal and dredge monitoring. They are designed to be completely adaptable to any applications' needs, and can withstand the harshest of conditions thanks to their robust construction.

The light-weight buoys are available in four different sizes, ranging from a diameter of 1.2 m with a buoyancy of 200 kg, up to 3 m in diameter with 9000kg of buoyancy. They are manufactured using rotationally moulded polyethylene hulls around a galvanised steel or welded polyethylene central structure,

and have a customised 316 stainless steel frame attached to the top for mounting instrumentation on. The modular design of the buoys makes them simple to transport and the replacement of equipment effortless, and thanks to the multiple parts of the buoy, sinking is virtually impossible.

The flexible mounting options of OSIL's Data Buoys allow an array of instrumentation to be attached to them, including multiparameter sondes, current meters and meteorological instruments. The main structure of the buoys has a large hole through the centre which allows the passage of instrumentation and cables from the tower down to the water. This channel also provides protection to instrumentation positioned within it, from damage during deployment and transportation.

For more information, please visit www.osil.co.uk

2.b) IMAREST LAUNCHES 'JOURNAL OF OPERATIONAL OCEANOGRAPHY' AT OI08

Over the past thirty years operational oceanography has come of age. The merging of scientific understanding of the oceans with the technologies and tools for routinely making, disseminating and interpreting ocean observations and measurements has become a reality, making possible the delivery of information critical to safety, commerce and environmental protection.

To serve this truly multidisciplinary endeavour, the Institute of Marine Engineering, Science and Technology (IMarEST) has launched the 'Journal of Operational Oceanography', the new international peer reviewed journal for the oceanography community.

The Journal of Operational Oceanography, which will be published twice a year, both in print and online, is a collection of international research papers and technical reports - the launch issue contains some of the papers being delivered at Oceanology International 2008 (Oi08).

The Journal is designed to address the role of oceanography in contributing to fields such as ocean and climate forecasting, numerical weather prediction and mitigating natural hazards, and is aimed at a wide range of end users. It also incorporates papers that address the requirements of the Global Ocean and Climate Observing Systems (GOOS and GCOS) and of Global Monitoring for Environmental Security (GMES) and the Global Earth Observing System of Systems (GEOSS).

Further information on the new journal, including a Call for Papers will be available on the IMarEST stand at Oi08 and from www.imarest.org/proceedings/joo/

3. EVENT, TRAINING AND DEMONSTRATION NEWS

3.a) ENORMOUS GROWTH FOR THE INTERNATIONAL LIDAR MAPPING FORUM

The 8th annual outing of the International Lidar Mapping Forum that was held in Denver, Colorado from Feb 21 – 22, 2008 saw record growth in attendance from both delegates and visitors. Final figures show that more than 580 delegates registered from 32 countries (up from approximately 250 the year before) all looking to invest and benefit from LiDAR technology and services.

This enormous growth tracks significant changes that have been seen in the LiDAR data collection business over the past three years. LiDAR is now cheaper, better and faster and has been demonstrated to be a highly cost-effective mapping tool. New users signed up en-mass and took full advantage of the newly created 'Basics to Lidar Workshop Series' that were filled to capacity and in most instances left with standing room only. Versha Carter of Intelligent Exhibitions Ltd noted this high level of interest: "We were surprised by the number of new delegates as well as some established delegates wishing to understand even better the basic principles, fundamental benefits and technology associated with LiDAR – our biggest challenge for the week was accommodating demand!"

Chairman of the Conference Alastair MacDonald of TMS International said: "choosing a Conference program from nearly 100 technical presentations submitted for this year's ILMF was a real challenge to the Technical Committee. But the Committee succeeded in putting together a program of superb quality which

reflected the increasing number of applications to which Lidar is being put.” The Technical Committee consisted of 12 international Industry Leaders with many years of experience in LiDAR technology, development and applications. “The record delegate attendance this year listened over two intensive days to 34 detailed presentations. This reflects the growing importance of LiDAR to the world’s mapping industries as the key way to acquire massive amounts of high resolution digital data very cost effectively” said Alastair MacDonald.

There was close to double the number of exhibit booths compared with the last event and increased international representation was also evident with companies from Germany, UK, Canada, USA, Sweden, China, India and Israel in attendance. Exhibitors reported meeting significant numbers of new buyers and many confirmed that substantial new orders were secured directly from the show floor.

The International LiDAR Mapping Forum event is organised by Intelligent Exhibitions Ltd in partnership with TMS International and supported by the ASPRS. Dates for the next event will be announced shortly. For more information please visit www.lidarmap.org

3.b) HYDRO8, LIVERPOOL, UK, 4 – 6 NOVEMBER

The Hydrographic Society UK is organising and hosting the 16th European Hydro Conference Hydro8 – in Liverpool from 4th to 6th November 2008. The three-day conference and exhibition will take place at the Britannia Adelphi Hotel, situated just a three-minute walk from Liverpool Lime Street Station, and ten minutes walk from the historic Albert Dock. Liverpool is a world-renowned centre of maritime, cultural and sporting excellence. This vibrant city has been undergoing a massive, multi-billion pound programme of transformation as it celebrates both the 800th anniversary of the signing of its first Royal Charter by King John in 1207, and its reign as the European Capital of Culture in 2008.

Hydro8 will be an important forum for the exchange of innovative ideas, developing technologies and emerging practices. With this in mind, the theme for the conference will be New Opportunities. The Conference web site has just been launched, with full information for potential exhibitors and sponsors, as well as details about the event, the venue and links to dedicated hotel booking service. Liverpool will be a popular venue in 2008, so early hotel reservation is strongly recommended. See www.hydro8.org.uk for details.

3.c) DISTINGUISHED CONFERENCE LINE-UP AT OI08

One of the global energy industry’s most respected leaders is to deliver the Distinguished Lecture at the marine science and ocean technology community’s largest event, Oceanology International 2008 (Oi08), which runs from 11-13 March at London’s ExCeL.

Lord Browne of Madingley FRS FREng, President of The Royal Academy of Engineering and the former group Chief Executive Officer of BP plc, will deliver his presentation at the conference being held under the overall mantle of ‘Technology, Sustainability and the Oceans’. His lecture on Day 2 will revolve around the event’s key themes of climate change, meeting future energy needs and ensuring environmental and civil security.

Keynote speakers on Day 1 at Oi08 will include Prof Jacqueline McGlade, Executive Director at the European Environment Agency; Capt. Dana Goward, Acting Director for Transition; Assistant Comdt for Policy & Planning, and Director, Maritime Domain Awareness Program Integration at the US Coast Guard; Dr Leo Roodhart, Vice President, GameChanger Group, Shell Technology Futures; Prof Robert Watson, the UK government’s Departmental Chief Scientist, Department for Environment, Food and Rural Affairs (Defra); and John Westwood, Managing Director, Douglas-Westwood Limited. All set the scene for the focused technical and scientific sessions that follow during the three days of the event. More details are available from the Oi website at www.oceanologyinternational.com and www.imarest.org/events/oceanology

3.d) IVS3D WORKSHOP, BANBURY, UK, 14-18 APRIL

Join Interactive Visualization Systems (IVS3D), a market leader in the provision of interactive 3D visualization and analysis software for spatial data as they present their sixth year of comprehensive

Fledermaus workshops. Through these concentrated educational and work sessions, you will be guided through hands-on exercises in order to bring you up-to-date on the latest solutions in the analysis, exploration and manipulation of various data complexities and new product developments for future releases.

The course will run from Monday 14th April to Friday 18th April 2008 at Wroxton House Hotel, Nr Banbury. UK. Monday to Wednesday is the basic Fledermaus Course and Thursday and Friday is the Professional training (must be proficient with Fledermaus Standard software). For further details and a registration pack please contact jdavies@ivs3d.com or call 01295 750631 for more details.

3.e) ENGINEERING YOUR FUTURE - MARINE CAREER OPPORTUNITIES

Up to a hundred sixth-form pupils between the ages of 17 and 18 who are studying science, maths or engineering at GNVQ or A-Level, will be heading to the Institute of Marine Engineering, Science and Technology (IMarEST) headquarters in the City of London on Monday 10 March for the 2nd Engineering Your Future, Marine Career Opportunities event to be hosted by the Institute, and held in conjunction with the Engineering Your Future series.

The free one-day event provides the sixth formers with an opportunity to find out about the scope of careers open to them in marine engineering, science or technology; and to learn about the routes into careers in the marine and offshore industry sectors. The day is split into five sessions aimed at providing insights into marine engineering, science and technology, each involving companies active in specific areas. This year, all participating will benefit from being able to take away a copy of the 'Sea Your Future - A Guide to Marine Careers' brochure produced by the Institute with sponsorship by Castrol Marine.

The 36-page 'Sea Your Future - A Guide to Marine Careers' provides information on a wide range of careers in the marine industry including marine engineering, naval architecture, shipbuilding and boatbuilding, ship repair and conversion, offshore engineering and technology, hydrographic surveying, working in ports, oceanography and marine meteorology, marine biology, diving and working with underwater vehicles, and careers in marine leisure. Not only does it provide a bird's eye view of all of this fascinating range of careers and incorporate case histories featuring young people describing their working lives; but it also provides information on choices at 14 and 16; higher education courses, and gives an idea of pay rates in the maritime industries.

It is available in pdf format at www.imarest.org/careers (follow the link to 'careers in the marine environment') and hard copies of the guide are available from samantha.dawkins@imarest.org

3.f) JOINT ANNUAL DINNER FOR SUT, IMAREST AND NI - LONDON, 14 MARCH

Over a thousand marine scientists, technologists, engineers and seafarers involved in all aspects of the subsea and above-water professions, will meet in London on 14 March 2008 for the Institute of Marine Engineering, Science and Technology (IMarEST) 105th, Society for Underwater Technology (SUT) and Nautical Institute (NI) Joint Annual Dinner.

Being held at the Grosvenor House Hotel in London, the guests, from all over the world, will be present for the inaugural speech by IMarEST's newly appointed 106th President, Professor Yoo Sang Choo CEng, CMarEng, FIMarEST, as well as speeches by the principal guest, Peter Cardy, Chief Executive of the Maritime and Coastguard Agency; and Rear Admiral Nigel Guild, Chief Naval Engineer Officer, Ministry of Defence, who will reply on behalf of the guests.

Further information on all aspects of the dinner can be obtained from www.imarest.org or by emailing christine.davenport@imarest.org

4. WHO'S ON THE MOVE

4.a) DEREK DONALDSON JOINS SEATRONICS AS VICE PRESIDENT FOR S.E ASIA

Seatronics Ltd are pleased to announce the appointment of Derek Donaldson as Vice President for the Asia

Pacific Region. With over 10 years industry experience in the offshore survey market Derek joins Seatronics from the subsea acoustics manufacturer, Sonardyne International Ltd where he held the position of Vice President Sales - Europe & Africa.

Derek's role for Seatronics will see him assume the day to day responsibility of the rental operation in Singapore, whilst enhancing the business opportunities to enable the continued expansion of the Seatronics rental pool across the Asia Pacific region.

Derek has been working in Singapore from the beginning of February and he will make every effort to get himself out amongst the oil and gas regulars over the next couple of months. For a chance to meet Derek and other colleagues from Seatronics visit the Seatronics stand 954 at Oceanology International 08 in March. Alternatively for more information on Seatronics Ltd products and services please visit: www.seatronics-group.com

5. JOB POSTINGS

5.a) TRITON IMAGING, INC. REQUIRES EXPERIENCED SALES MANAGER, USA

Triton Imaging, Inc. requires an experienced Sales Manager to manage its worldwide network of Reps/Distributors in pursuit of the sale of state-of-art imaging and mapping software suites and fully integrated systems for offshore applications, including harbor security and search/survey.

A strong software background, plus U.S. Navy MCM experience are desirable. Email resume to hr@tritonimaginginc.com. For more information, visit tritonimaginginc.com.

5.b) GEMS SURVEY LIMITED, UK REQUIRE OFFSHORE GEOPHYSICISTS, ENGINEERS AND HYDROGRAPHIC SURVEYORS

GEMS are currently looking for Offshore Geophysicists, Engineers & Surveyors. Applications are encouraged from junior (graduates) to senior level. As a leading UNCLOS Survey Company, applicants in this specialisation are also encouraged.

Successful candidates can look forward to enjoying well rewarded, stimulating assignments aboard their expanding fleet of geophysical survey vessel's, operating in locations around the world. Work will involve both office and offshore based duties. The positions will be based at their new offices in Devizes. If you are interested in these positions please forward your CV to tracey.derrick@gems-group.com.

5.c) RESON INC. CALIFORNIA, USA SEEK A VICE PRESIDENT OF SALES FOR THE AMERICAS

The Vice President of Sales is responsible for the overall coordination, the functional management and leadership of all of the sales activities of RESON products for the Americas. This includes responsibilities associated with all aspects of people management, budgets, sales plans, sales pipeline and sales forecasts. The geographic location is flexible and it may be possible to work from a home office. However, Goleta, California would be the preferred geographic location. The position reports directly to the Executive Vice President of Global Sales.

Responsibilities include; Planning and directing all aspects of RESON's sales policies, objectives, and initiatives for the Americas; Developing the sales plan to fulfill the growth and revenue goals of the organization; Responsible for ensuring maximum sales volume of RESON's products and/or services; Managing the regional sales effort to meet the business objectives of product sales in terms of booking, margin and cost of sales; Implementation of Market strategy i.e. sales channels (direct or in-direct) per customer segment established in the designated region and key accounts; Preparation of forecasts, sales reports, annual budgets and operation within expense budget parameters; Assessing and managing sales personnel and Agents/Representatives; People Management - direction, performance appraisal, salary management etc. and leadership. For further details on requirements and attributes contact Kaitelyn Kelly +1 805 964 6260 or email HR@reson.com

