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## 1. GENERAL OCEAN NEWS

### 1.a) BREAKING NEWS - SONARDYNE LAUNCHES NEW DIVER DETECTION SONAR

Sonardyne International Ltd has introduced a new diver detection sonar to counter the threat of underwater attacks against ships, harbours, coastal industrial installations and offshore oil platforms. The new Sentinel Intruder Detection Sonar (IDS) was unveiled at the Underwater Defence Technology exhibition and conference in Naples, Italy this week.

Sonardyne is well known as a manufacturer of subsea acoustic positioning, navigation and communications systems and the company's introduction of Sentinel follows a major investment in engineering and acoustic technology.

With a sonar head measuring just 44 cm tall by 33 cm diameter, the Sentinel sonar array is considerably smaller than other systems yet it provides a full 360 degrees of coverage and is capable of reliably detecting underwater targets up to 800 metres away. Weighing less than 30 kg, the compact system is ideal for expeditionary operation as it is easily palletised and rapidly deployed. The system can be deployed in many different ways, including over the vessel's side, mounted rigidly or on the seabed in a frame. Sentinel's unique configuration allows it to operate in stand-alone mode or networked with multiple sonar heads linked into a Command and Control (C2) system. As part of a comprehensive Anti-Terrorism/Force Protection afloat (ATFP) asset, Sentinel's early warning capability will enable operators to deploy effective counter measures against underwater intruders in good time.

Commenting on the launch of Sentinel, Rob Balloch strategic development director for Sonardyne said, "Sentinel is the first of a new generation of maritime security products to be released by Sonardyne. We have brought together many of the leading experts in their specialised disciplines to develop the unique technology that can deliver trusted solutions to the customer in the most challenging underwater conditions such as noisy, shallow harbours. We have listened to what the customers really want from a diver detection system and believe Sentinel is the first practical, cost-effective solution to the threat presented by underwater intruders." For further information contact David Brown +44 (0) 1252 872288 or go to [www.sonardyne.co.uk](http://www.sonardyne.co.uk)

### 1.b) SRD DELIVERS SPARKLING MULTIBEAM SEABED VISUALISATION SYSTEM TO DE BEERS

SRD has delivered a multibeam seabed visualisation, measurement and control system, worth over £500,000 to De Beers Marine, South Africa. Part of the De Beers Group, the company which mines 40% of the world's diamonds, De Beers Marine will use the new system in the recovery of offshore diamonds from South African waters previously thought to be uneconomic to mine.

SRD have developed the system for De Beers, by successfully integrating transducer arrays from its innovative SVS3 range of real time, digital sonar acquisition equipment with its own powerful, and flexible SRDv 3D visualisation software. The system will be used on De Beer's new mining vessel "Peace in Africa", which will be equipped with the largest crawler ever developed for harvesting diamond bearing material from the seabed. It will generate real time 3D images of the underwater environment, and provide information about the crawler's cutting depth and the volume of material being removed. This will enable De Beers to mine the seabed efficiently and reduce the risk of any over or under mining of the diamond bearing layer. For further information go to [www.srduk.com](http://www.srduk.com)

### 1.c) NEW SURVEY VESSEL STARTS WORK FOR FUGRO SURVEY LIMITED

Fugro Survey Limited's newly commissioned survey vessel, Fugro Discovery (70m LOA), has recently commenced its inaugural survey programme. It has embarked upon a cruise, for a variety of clients, of acoustic and visual pipeline inspection work in the North Sea. The total length of pipeline to be surveyed is upwards of 7500 km. Given normal sea conditions for the time of year, the Fugro Discovery will be occupied on the programme into September 2007.

The vessel is equipped with a dual Focus-2 ROTV system to deliver high quality side scan sonar inspection data and onboard processing and reporting. When anomalies are revealed, the vessel has the option of performing visual inspections using the onboard SeaEye Tiger which is an industry-standard inspection ROV complete with tether management system and 150m excursion tether.

Equipped with both a colour camera and a low light SIT camera it records its video inspection sequences digitally either direct to DVD or onto hard disc. The vessel's Dynamic Positioning System assures stable position keeping during ROV operations. The results from both the acoustic and the visual inspections are made available from the vessel, in near real-time, to transmit via broadband VSAT to the beach. For further information, please contact Chris Mott, Commercial Manager, [c.mott@fugro.com](mailto:c.mott@fugro.com), [www.fugrosurvey.co.uk](http://www.fugrosurvey.co.uk)

#### **1.d) PHOENIX RECOVERS AUSTRALIAN SUBMARINE RESCUE VEHICLE**

Phoenix International, Inc. (Phoenix) announced its successful recovery of Australia's Submarine Rescue Vehicle, REMORA, from 460 feet of seawater (fsw) offshore Rottneest Island, Western Australia. The rescue vehicle fell to the seafloor last December when its launch/recovery cable parted during at-sea test operations. The 18.4 ton vehicle remained on the bottom for four months prior to its recovery.

The REMORA recovery operation was undertaken at the direction of the U.S. Navy's Supervisor of Salvage and Diving (SUPSALV), the organization responsible for managing this nation's underwater search and recovery capabilities.

As SUPSALV's prime contractor for search and recovery operations worldwide, Phoenix mobilized and deployed the Navy's Remotely Operated Vehicle, CURV III, to first examine the condition of REMORA and then to rig it for recovery. Using the U.S. Navy's Fly-away Deep Ocean Salvage System, a motion compensation system that minimizes snap loads during heavy lift operations, and a 200-ton mobile crane, the heavy vehicle was brought directly up to the surface. M/V SEAHORSE STANDARD served as the primary support ship for the recovery operation. For further information contact Tim Janaitis [tjanaitis@phnx-international.com](mailto:tjanaitis@phnx-international.com) or go to [www.phnx-international.com](http://www.phnx-international.com)

#### **1.e) HYDROID OFFICIALLY OPENS OFFICE IN UNITED KINGDOM**

Hydroid, LLC, announced today that it has officially opened the doors of its office in Southampton, to support its sales and client service capabilities in Europe. Hydroid is now able to quickly and effectively support its existing European clientele, while offering a base of operations to attract new international customers. The office, managed by Graham Lester, director of Business Development and staffed by an expert team who bring over twenty years of experience in the marine and oceanographic fields, significantly broadens the company's worldwide presence. The new office opening follows two significant contract wins with the U.S. Navy and the Department of Defense, in addition to several international wins with the Royal Australian Navy and Royal New Zealand Navy. For further information go to [www.Hydroid.com](http://www.Hydroid.com)

#### **1.f) NEW CHAIR FOR IMarEST YOUNG MEMBERS NETWORK**

Francis Udom a project engineer working in the FPSO Group, Integrity Service Department of Lloyd's Register EMEA in Aberdeen, has recently been appointed Chair of the Young Members' Network. He has taken over the role from Dr Paul Jukes, Advanced Engineering Manager, JP Kenny, based in Houston. Young engineers and scientists are the lifeblood of the marine industry, and with this in mind, the Institute of Marine Engineering, Science and Technology (IMarEST) has an extremely active Young Members' Network, designed to support the early careers of marine and offshore professionals. Further information on the Young Members' Network, which is open to all young members of IMarEST is available from [membership@imarest.org](mailto:membership@imarest.org) with membership details on the web at [www.imarest.org/membership](http://www.imarest.org/membership)

## **2. TRAINING, DEMONSTRATION AND EDUCATION**

#### **2.a) SUT SCHOLARSHIPS 2007/2008 APPLICATION DEADLINE 15TH JUNE 2007**

The Society for Underwater Technology – Houston Chapter (SUT Houston) is launching its 2007 scholarship program. This year SUT Houston will again be offering three \$5,000 undergraduate scholarships and a \$10,000 graduate scholarship. In addition, corporate sponsors, FMC Technologies and Fugro GEOS, will each be providing \$5,000 undergraduate scholarships to be administered by the SUT on their behalf. Applicants are encouraged and welcomed from the fields of marine science, technology and engineering or mainline science and engineering courses where students can demonstrate an interest in pursuing a career in the marine field or a marine application for their studies. For further information [www.SUTHouston.com](http://www.SUTHouston.com) and/or contact Kathleen Venable – SUT Administrator [administrator@suthouston.com](mailto:administrator@suthouston.com))

#### **2.b) UNDERWATER ACOUSTICS 2007, THREE PROFESSIONAL DEVELOPMENT COURSES, 10 - 14 SEPTEMBER 2007**

Following last year's success, The National Physical Laboratory is, once again hosting the three Seiche professional development courses: Basic Underwater Acoustics, Advanced Underwater Acoustics and Acoustic Wildlife Monitoring. Whilst retaining all subjects taught last year to the Advanced Underwater Acoustics and Acoustic Wildlife Monitoring courses this year there will be an introduction to PAMGUARD through the offices of Heriot-Watt University. PAMGUARD is intended to become the 'de facto' software standard for cetacean monitoring. It is an open source code written in Java with a wide range of signal processing and display capability. A lecture and workshop will be included for delegates. For further information contact Gillian Coates, Tel: +44 (0)1407 720474 or [gacoates@seiche.com](mailto:gacoates@seiche.com) or go to [www.seiche.com/2007Brochure](http://www.seiche.com/2007Brochure)

### 3. EVENTS

#### 3.a) COMING SOON - STUDENT ROV COMPETITION, 22- 24 JUNE 2007, CANADA

The MATE International Student ROV Competition will be held June 22-24 at Memorial University and the Institute for Ocean Technology in St. John's, Newfoundland & Labrador, Canada. The 2007 competition challenges students to design and build remotely-operated vehicles (ROVs) for science, exploration, and industry operations in polar environments. For more information about the MATE ROV competition, please visit [www.marinetech.org/rov\\_competition/](http://www.marinetech.org/rov_competition/) or contact Caroline Brown at [matecenter@carolinebrown.com](mailto:matecenter@carolinebrown.com).

#### 3.b) EARLY BIRD RATE AVAILABLE - OCEAN INNOVATION 2007 CONFERENCE & EXHIBITION 21-24 OCTOBER 2007, NOVA SCOTIA, CANADA

CCMC invites you to participate in Ocean Innovation 2007 Conference & Exhibition, being held at the Marriott Halifax Harbourfront, in Nova Scotia from October 21-24, 2007. For more information and to register online, visit [www.oceaninnovation.ca](http://www.oceaninnovation.ca). Early registration rates are available until 27 July 2007.

#### 3.c) OCEANOLOGY INTERNATIONAL ORGANISERS SELL DEFENCE PORTFOLIO

Reed Elsevier announced this week that it is to exit the defence exhibitions sector. Their portfolio of five shows includes the DSEI exhibition formerly owned by Spearhead Exhibitions Ltd. Sir Crispin Davis, Chief Executive Officer of Reed Elsevier, said: "Our defence shows are quality businesses which have performed well in recent years. Nonetheless, it has become increasingly clear that growing numbers of important customers and authors have very real concerns about our involvement in the defence exhibitions business. We have listened closely to these concerns and this has led us to conclude that the defence shows are no longer compatible with Reed Elsevier's position as a leading publisher of scientific, medical, legal and business content." For further information go to <http://www.reedexpo.com>

### 4. WHO'S ON THE MOVE

#### 4.a) DERRICK PEYTON JOINS ODIM AS DIRECTOR OF BUSINESS DEVELOPMENT

Derrick Peyton has joined ODIM Brooke Ocean Technology as the Director of Business Development. Derrick will focus on the marketing and sales of products into the hydrographic, naval and marine science sectors. Derrick has over 30 years of professional experience in the geomatics industry with at least 20 years specializing in hydrographic and oceanographic operations and technological development. Derrick holds a MSc and BSc in Geodesy and Geomatics Engineering and an MBA. He is also a CLS, a P. Eng, and holds an IHO Category "A" Accreditation. For further information visit [www.brooke-ocean.com](http://www.brooke-ocean.com)

#### 4.b) MK SERVICES APPOINTS DZIGA WALKER INTO THE MARINE SALES DEPARTMENT

MK Services is pleased to announce Dziga Walker (Ziggy) has joined its Marine Sales team. With over 8 years experience within the marine sector, Ziggy has worked both as a physical oceanographer within The Open University and The University of Plymouth, and as a consultant field oceanographer for the British Antarctic Survey. He has a degree in Ocean Science and is completing a PhD in Antarctic physical oceanography and climate. More recently he was published in a world-renowned earth science journal. For further information go to [www.mkservices.co.uk](http://www.mkservices.co.uk)

#### 4.c) KEY STAFF JOIN METOC

Metoc is pleased to announce the recent appointments of three senior staff. Joining their Forecasting Team in Cardiff are Nick Barcock and Dr Yan Wu formerly of Hyder Consulting and Dr Suzie Clarke, a physical oceanographer. For further information go to [www.metoc.co.uk](http://www.metoc.co.uk)

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