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1. GENERAL OCEAN NEWS

a) FIRST OF ITS KIND: CALIBRATED ECHOSCOPE SYSTEM DELIVERED TO CHINA

The first ever Calibrated Echoscope System was recently delivered to a highly respected Chinese customer by CodaOctopus Products. The undisclosed client, a leading underwater research institution, contacted CodaOctopus with precisely defined specifications which required target strength returns from the Echoscope sonar to be both accurate and absolute, regardless of where the object is in 3D space.

Following in-depth negotiations and the application of the acoustic engineering skills of CodaOctopus, the Calibrated Echoscope Real-Time 3D Sonar System was delivered to the Chinese client. Providing over 16,000 accurate intensity returns per ping, it enables the user to locate objects of known target strength; this makes the system ideally suited to a range of underwater applications including mine counter measures (MCM), environmental projects and rapid object classification surveys.

Commenting on this major achievement Stephen Auld, MD of CodaOctopus Products said, "It is thanks to our Chinese customer's vision and the skills of our acoustic engineers that we have successfully delivered a 'first of its kind' system, built upon our unique Echoscope technology."

Operating with the Calibrated Echoscope, an Octopus F180+ precision attitude and positioning system was included in the contract along with **team** membership, which provides the client with enhanced after sales service and unrivalled technical support. For further information go to www.codaoctopus.com

b) FIRST R2SONIC 2024 MULTIBEAM SALE INTO UK

Undersea Sense Ltd announce the sale of an R2Sonic 2024 Multibeam Echosounder System to Aspect Land and Hydrographic Survey Ltd of Irvine, Scotland. Although this is the 66th system from R2Sonic since launch in early 2009, this sale marks the first delivery directly into the UK.

Gordon Campbell, Managing Director of Aspect Land and Hydrographic Surveys, stated: "We are delighted to be the first UK company to have this new standard of Multibeam echosounder for use in our surveys. This system was chosen because of its high-performance capabilities and for its capacity to produce exceptionally high resolution data quality. The system is very lightweight, portable and of a compact design which will facilitate ease of mobilisation within our own survey vessels and onto client's vessels.

We are confident that our clients will see the benefits of our investment in this system for themselves when surveys are reported and that they will be impressed with the range of options available from this leading-edge technology.

The R2Sonic Wideband Multibeam Echosounder system combined with RTK GPS will be utilised on a variety of survey projects, including engineering inspection, object detection, dock wall surveys, cable and pipeline surveys, as well as seabed mapping to IHO S-44 Special Order specification.

Water depths can be accurately recorded between 0.5m - 500m, due to the wideband 200kHz - 400kHz selectable frequency range of the system."

Undersea Sense founder and owner, Director Andy Williamson commented: "The R2Sonic 2024 system has created a new standard in multibeam survey and I am delighted to bring the system into the UK for the first time since being appointed UK distributor in September 2009" For further information contact gcampbell@aspectsurveys.com

c) CELEBRATION AT INNOVA AS

Recently Innova celebrated the completion of serial number 300 of their PWM16 valve driver board.

To their knowledge, the PWM 16 controller is one of the most used building blocks for underwater hydraulic control systems in use today. One unit enables serial control of up to 8 off 4/3 valves and input of both analogue and on/off signals on a compact board designed to be used in pressurised environments down to 3000 MSW (standard version).

The PWM 16 ([PWM16 datasheet](#)) is still mostly in use in European waters, but an increasing number of units are also now in use in Asia; Africa and the Americas. Based on 1-2 boards per valve pack, they can safely assume that a total of 150-200 underwater valve packs and similar systems worldwide now use the PWM16 as the core controller.

For more information, please see www.innova.no

d) WIZ IN-SITU NUTRIENTS PROBE

The WIZ probe is the latest development of Italian company SYSTEA S.p.A., the state of the art portable "in-situ" probe, to measure up to four chemical parameters continuously in surface waters or marine environments. The innovative design allows an easy handling and field deployment by the user. WIZ probe allows, in the standard configuration, the detection of four nutrient parameters (orthophosphate, ammonia, nitrite and nitrate) in low concentrations while autonomously managing the well tested spectrophotometric wet chemistries, and an advanced fluorimetric method for ammonia measurement. Analytical methods have been developed for several other parameters including silicates, iron and trace metals. Results are directly recorded in concentration units; all measured values are stored with date, time and sample optical density (O.D.). The same data are remotely available through a serial communication port, which allows the complete probe configuration and remote control using the external Windows® based Wiz Control Panel software.

For any additional information, please visit SYSTEA web site: <http://www.systema.it>

e) REMOTE OCEAN SYSTEMS UNVEILS NEW PREMIERE LED FLOODLIGHT FOR ROVS

Remote Ocean Systems (ROS) unveiled their new Q-LED III Floodlight at this year's Underwater Intervention Show. A long time leader in underwater lighting development, the QLED-III is to be the new pinnacle of ROV lighting.

The transition to the use of dimmable LED lamps for underwater illumination continues to be a hot topic among the ROV and diving communities. For ROV lighting, LED technology is superior to halogen in many ways, particularly due to its ruggedness, efficiency, and minimal cost of ownership.

The ultra-efficient, dimmable Q-LED III Floodlight's output exceeds that of a 1000 Watt halogen light. It inherits the same compact footprint and mounting pattern of ROS' QL-3000 and predecessor Q-LED lights. It is certified submersible to 4,000 or 6,000 meters, and is available in versions for both 120 and 220 volt AC input power.

The brightest LED lamp in the business, the light penetration is impressive, allowing farther and clearer operating scene illumination. The Q-LED III's bright white beam pattern is particularly suited for High Definition ROV platforms.

For further information contact sales@rosys.com or www.rosys.com

f) SEAZONE SUPPORTS CREATION OF LAND-SEA INTEGRATED REFERENCE DATA FOR THE NORTH SEA

SeaZone is collaborating with hydrographic offices and other organisations from Norway, Denmark, Germany, Belgium, Sweden and United Kingdom on a 3 year European funded project to improve marine reference information for the North Sea. The title of the project - 'Bringing Land and Sea Together (BLAST)' - aptly describes the project's main aim, that is to harmonise and integrate terrestrial and marine geographic datasets to create a consistent reference base suitable for integrated coastal zone management (ICZM) and other purposes. In addition, BLAST has a transnational challenge to incorporate maritime information from the sea areas of the different countries making up the North Sea Region to ensure this information can be readily combined to improve coordination and maritime safety.

The project is one of many projects being funded under 'The Interreg North Sea Region Programme 2007 – 2013'. The aim of the programme, partially funded by the EU, is to help organisations co-ordinate regional projects effectively. The programme links regions from seven countries around the North Sea, incorporating

policy level planning and the long lasting and tangible effects of these projects. These are the foundations of future multi-national projects, which will create added value to partner regions and beyond.

For further information go to www.SeaZone.com

g) RBR TO PREVIEW THEIR MOORING LINE MODEM

RBR will give a preview of their MLM-1000 mooring line modem at the forthcoming Oi10. It is designed to allow communication with up to 32 instruments over a range of up to 1000 metres by means of a single jacketed steel mooring cable. Transmission speeds of up to 4800 baud will be feasible.

Transmission is half-duplex, and message modes include: system broadcast, group wide or individual addressing to open a transparent link to each instrument in turn. Additional features include internal error checking, integral real time clock, memory buffer and power saving.

The MLM-1000 will be packaged to be compatible with existing XR series loggers from RBR. An OEM version will also be available for connection with 3rd party equipment. By using the transparent link mode, the 3rd party host software can be used to maximise the functionality.

For further information contact us at info@rbr-global.com

h) XSSENS 10 YEARS IN MOTION!

Xsens, a leading manufacturer of sensor units for motion, orientation and position measurement, celebrates its 10th anniversary in 2010. One of the celebration activities is an exclusive customer lunch at Oi2010 at which the 10,000th Motion Tracker will be handed over to one of Xsens most respected customers.

Xsens' motion sensors are integrated in various customer applications in the maritime industry. Since many years, Xsens has strong relations with customers such as CodaOctopus, Sonardyne, Kongsberg and Saab. 'Our motion sensors are designed for those applications which require a small size and an attractive price', says Casper Peeters, CEO of Xsens. 'At the same time, our customers expect accuracy levels higher than the performance of typical MEMS devices and approaching that of costly fiber-optic gyro systems. Our MEMS based motion sensors meet those demands thanks to sophisticated on-board processing algorithms. They are a perfect fit for application in various underwater vehicles and hydrographic instruments, which is demonstrated by many of our customers in this industry. Therefore it was an easy choice to select Oceanology International as the venue for the first in a series of celebration events worldwide'.

Xsens' 10th anniversary lunch is for selected customers and partners. During this lunch, customers will speak about their products, in which the MTi or MTi-G is integrated for control, stabilization or dynamics measurement. In addition, Xsens is proud to announce that the 10,000th Motion Tracker will be handed over to one of Xsens' most valued customers at the celebration lunch. Thousands of Motion Trackers have been manufactured and supplied to our customers in the past years, many of them for integration in equipment such as underwater acoustic positioning and imaging systems, underwater vehicles and surface vessels.

Xsens will host more events at Xsens' offices and targeted exhibitions and conferences for the other market segments served by Xsens. These will take place in The Netherlands, Miami and Los Angeles.

Xsens is headquartered in Enschede, The Netherlands and has a subsidiary in Los Angeles, California, US. <http://www.xsens.com>

i) FUGRO TO PROMOTE SERVICES

The Fugro Group delivers integrated solutions to support every stage of its clients' operations. At Oi 2010 Fugro will feature the integration of services for three of the client sectors they serve - oil and gas; renewable energy and maritime (including UNCLOS and Law of the Sea), with presentations on the stand to feature new Fugro technologies and services.

For further information contact Maria Silva, Marketing Manager - Fugro GEOS, m.silva@geos.com

j) IXSEA DEMONSTRATES TECHNOLOGY STRENGTH

IXSEA, a world leader in subsea navigation and positioning technology, will have a strong presence at the Oi10.

Visitors to the IXSEA stand will witness a GAPS portable and robust global acoustic positioning system at the centre of the stand will be linked on one side to a SHADOWS high-performance mapping sonar system and on the other to an ROV equipped with a RAMSES hybrid acoustic positioning system and a ROVINS subsea inertial navigation system.

It will be apparent the deep commitment to research and development displayed by IXSEA over the past 10 years. Sustained investment in new technology during this period has left the company with a clear technological advantage over its competitors and has led to a consistent record of business growth.

Underpinning everything that IXSEA does is an appreciation of the vital role that navigation and positioning technology plays in its customers' theatres of operation. And although tremendous advances have been made in this area, particularly in recent years, the company is acutely aware of the challenges that remain and the opportunities that still exist to improve the fortunes of companies involved in subsea investigation, exploration and exploitation. For further information, please go to www.ixsea.com

2.EVENT, TRAINING & DEMONSTRATION NEWS

a)SUT INTERNATIONAL CONFERENCE MARCH 23-24, 2010, RIO DE JANEIRO

The Society for Underwater Technology will hold the SUT Technical Conference 2010 in Rio de Janeiro, Brazil, in March 23-24 2010. The aim of the Conference is to present some of the State of the Art Subsea Technology currently employed in oil and gas deep-water production and to promote an international forum for technical discussion and collaboration.

For full details or contact infosut2010@peno.coppe.ufrj.br, Tel/Fax: +55 21 2562-8803.

b)THE AFFORDABLE FLEET LIES AT THE HEART OF INEC 11th – 13th MAY 2010, UK

Every two years for the past 20 years commercial and military ship operators, designers and shipbuilders, classification societies, machinery and equipment manufacturers, universities and similarly relevant organisations have gathered for the International Naval Engineering Conference and Exhibition (INEC).

This year's three-day conference, the tenth in the series, will be principally sponsored by BAE Systems and held Tuesday 11-Thursday 13 May in the historic Rope Store at HM Naval Base, Portsmouth. Its theme is 'The Affordable Future Fleet'.

Further information: www.imarest.org/inec

c)OFFSHORE RENEWABLES IN THE SPOTLIGHT

The age of marine renewable energy is now upon us. Off the coast of the UK alone there is already a massive opportunity for windfarm developers, tidal turbines have demonstrated their worth, and wave generation is advancing rapidly.

To mark these achievements 'New Scientist' magazine will focus on 'Offshore renewables: challenges and opportunities' in a session at the forthcoming Oceanology International. For over 40 years Oceanology International has been the world's premier meeting place for the marine science and ocean technology community.

For further information go to www.oceanologyinternational.com

d)PLANS IN PLACE FOR IMarEST's 107TH ANNUAL DINNER, 12TH MARCH, UK

Marine engineers, seafarers, scientists and technologists involved in all aspects of the maritime industry from subsea to above-water and from both the civil and defence industries, will assemble in London on Friday 12 March 2010 for the Institute of Marine Engineering, Science and Technology (IMarEST) 107th Annual Dinner.

Further information from www.imarest.org

3.WHO'S ON THE MOVE

a)NEW FACE AT PLANET OCEAN

Surrey based Planet Ocean Ltd, is pleased to announce the appointment of Oliver Wardle as Sales Manager.

Oliver, who holds a mechanical engineering degree from the University of Portsmouth, joins from DSTL. (Defence Science & Technology laboratory). Oliver has a background in marine technology and will be responsible for promoting the growing range of instruments and systems throughout the UK and Ireland. Terry Sloane, Managing Director at Planet Ocean says "Oliver will bring a valued new dimension to the team and his engineering background and previous experience means that he has an excellent understanding of the challenges that deploying high technology instrumentation into the harsh oceanographic environment bring".

Further information, contact carole@planet-ocean.co.uk

4. JOB POSTINGS

a)SEEBYTE SEARCHING FOR STRONG SOFTWARE ENGINEERS TO DEVELOP ITS SEETRACK FAMILY OF SOLUTIONS, UK

SeeByte offers challenging work at the forefront of innovation. Their software products are used worldwide to help their customers become more effective in their operations. Their staff have the opportunity to travel far and wide and become involved in world record breaking projects.

SeeByte is looking for strong software engineers to develop its SeeTrack family of solutions. Excellent software skills are essential as is experience in software design and testing. Candidates should normally hold a degree in Software Engineering or similar discipline with strong software engineering and numerate skills. Practical experience in configuration control systems, signal/image processing, autonomous systems and navigation solutions is highly desirable.

The successful candidate will work as a member of a team of developers in the design, development and testing of software. The team follows industry best practices and standards. The post will be based in Edinburgh, Scotland's capital city. Known as the Athens of the North, Edinburgh has one of the most beautiful cityscapes in the world.

To apply for this role, please send your up to date CV and cover letter, including current salary details and notice period, via e-mail to hr@seebyte.com