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1.GENERAL OCEAN NEWS

1.a) CODAR EUROPE OPENS ITS DOORS AND OSIL ACQUIRE UK RIGHTS FOR SEASONDE

CODAR Ocean Sensors Ltd., with headquarters in California, has established a European office to provide highest quality local sales and technical support within the region and OSIL have become Codar's UK representative and will be primarily selling the SeaSonde, Codar's HF radar system.

CODAR Europe staff, located in Madrid, Spain, will work with local representatives within Europe to assist customers on technical planning prior to system deployment, host a variety of educational events, and provide client technical support and onsite engineering services throughout the region.

Codar's SeaSonde HF radar system is a non-contact, surface current and wave measurement system that accounts for over 80% of the HF radar systems in use in the world today. The SeaSonde combines state of the art technology with reliability and convenience, providing its customers with the only solution for their ocean observation needs. The SeaSonde can offer ranges of up to 200km with a proven track record, and will provide years of real-time data over large coverage areas.

By opening a European office, CODAR company is taking the steps that will enable European and African users to reach their maximum potential and have immediate access to expert training and support services. For further information or specific project advice, contact CODAR Europe manager, Mr. Andres Alonso-Martirena Tornos, at phone +34 911263423, e-mail andres@codar.com. For information relating to the UK market contact www.osil.co.uk.

1.b) SATLANTIC AWARDED CONTRACT FOR LOBO NETWORK IN FLORIDA

Satlantic Inc. has announced that it has been awarded a major contract to supply an array of Land/Ocean Biogeochemical Observatory (LOBO) systems to the Sanibel-Captiva Conservation Foundation Marine Laboratory (SCCF) located in Sanibel, Florida.

The SCCF Marine Laboratory is deploying a network of Satlantic LOBO systems for the Caloosahatchee River/Estuary in response to water quality deterioration throughout this system over the past several years. The LOBO is a fully integrated, portable, real-time water quality monitoring system, developed by the Monterey Bay Aquarium Research Institute in partnership with Satlantic. The LOBO sensor suite measures water properties such as salinity, temperature, turbidity and current velocity together with nitrate, cDOM (colored Dissolved Organic Matter) and chlorophyll fluorescence all integrated within an innovative anti-biofouling framework to vastly reduced maintenance requirements.

The system provides hourly updates about the health of the river/estuary by reporting conditions associated with algae blooms, fish kills, and seagrass health. This coastal monitoring network will make real-time water quality information publicly available for use by water resource managers, government officials and nearby residents. For further information on the LOBO system please go to www.satlantic.com/lobo or contact sales@satlantic.com.

1.c) DOD AWARDS CODA OCTOPUS \$2.6 MILLION CONTRACT FOR UNDERWATER INSPECTION SYSTEM

Coda Octopus Group, Inc, a world leader in underwater terrorism prevention, has recently signed a contract with an immediate value of \$2.59 million with the Department of Defense (DoD) Technical Support Working Group (TSWG) to build and deliver next-generation Underwater Inspection Systems for the US Coast Guard and other potential users, to enable rapid underwater searches in the nation's ports and waterways. If fully funded, the contract could expand to a total of \$8.27 million.

Under terms of the contract, Coda Octopus has agreed to deliver three Underwater Inspection Systems (UIS™) over the next six months. The contract includes additional options which, if fully funded, would require the company to deliver a further seven UIS systems and to develop a number of significant

enhancements to the current system. These could include next-generation software to allow port authorities to automatically determine if something important has changed from one underwater search to the next, being able to detect any underwater IEDs or hazardous devices that have been placed in critical areas overnight or between searches.

The contract is the culmination of a two-year development effort which included the Office of Naval Research, US Coast Guard Research & Development Center, (USCG RDC) Groton, CT and SRI International, St. Petersburg, FL, which was formerly part of the Center for Ocean Technology at the University of South Florida. Extensive independent field trials were conducted by USCG RDC, with assistance from the US Navy in Florida, in which a number of underwater sensors were compared. For further information, please visit <http://www.codaoctopus.com> or contact CodaOctopus at info@codaoctopus.com

1.d) METOC MANAGES ENVIRONMENTAL ENGINEERING FOR BRITNED'S 600 MILLION EURO INTERCONNECTOR PROJECT

Metoc plc has completed marine cable engineering and consent applications for the construction of BritNed's 600 million Euro HVDC interconnector. When it becomes operational at the end of 2010, the Interconnector will enable energy trading and increase the security of supply between the UK, The Netherlands and the wider European market.

BritNed is a joint venture between the two power companies National Grid in the UK and TenneT Holding B.V. in The Netherlands to develop the 1000 Megawatt HVDC system. The Interconnector will comprise a 260 km long cable that will be buried into the seabed across the southern North Sea. Converter stations at the Isle of Grain in Kent and on the Maasvlakte area of the Port of Rotterdam will connect the BritNed cables into the UK and Netherlands grids.

Since the start of the project in 2001, Metoc has managed a broad programme of works to address the environmental design and risk management issues in the routing, installation and consenting processes needed for the interconnector development.

Comprehensive land and marine surveys were specified, managed and supervised by Metoc to: select the cable route; support the permitting requirements in the two countries; and inform tenderers for the construction contract. Based on the survey data and specialist studies of discrete subjects, such as sediment dynamics, Metoc developed and assessed multiple alternate cable route options and analysed installation techniques and timings to ensure environmental compliance.

Work also included an investigation of the preferred cable route and a full risk assessment and specification of protection burial depths for the cable system. Based on the survey data, the sediment dynamics were mathematically modelled to investigate the potential environmental impacts of dredging along the cable route, in particular across the large-scale sand waves in the Dutch sector.

At the core of the project is a GIS (Geographic Information System) developed by Metoc to store and collate the vast amount of data needed to support the project.

For further information contact Natalie Griggs natalieg@metoc.co.uk

1.e) EB – PASSIONATE ABOUT SUBSEA PLOUGHS

With each of its four founding members having been designing and building ploughs for subsea cable and pipeline installation for a quarter of a century or more, The Engineering Business's (EB) experience in this field is unsurpassed. EB has now been contracted to use this knowledge and experience to design and build the ultimate plough system for Saipem UK Ltd.

As an integral part of a new build trenching support vessel, the system will allow Saipem to offer its customers effective trenching of pipelines up to 1.55m in diameter, up to 2.5m below the seabed, in water

depths of up to 1000m. The system comprises two ploughs – PL3 the trenching plough and BPL3 the back fill plough.

The new trenching support vessel being built by Aker can deliver a tow force of 400tonnes and will be the highest performance vessel in her class. It has sufficient deck space to accommodate both PL3 and BPL3 simultaneously and it is therefore possible to switch between ploughs at sea.

BPL3 is unlike any previous backfill plough – aimed at reducing the risk of damage to the trenched pipeline, its front skids run outside the trench. As a result it has been designed to fold into itself, rather like a spider, for launch and recovery. Its design also means it is possible to launch the plough in the correct orientation which will save time during deployment.

Further information on EB is available from The Engineering Business Ltd, team@engb.com or go to www.engb.com

1.f) NEW SONARDYNE TSUNAMI DETECTION SYSTEM PROVIDES ITS FIRST ALERT

A system manufactured by British acoustic technology specialists Sonardyne International has provided its first warning of a potential tsunami. The system is located in the Bay of Bengal where, shortly before midnight on 25th July, it successfully detected the changes in water pressure created by an earthquake registering 6.2 on the Richter Scale.

The tremor occurred some 24 miles underground near the Nicobar Islands between the Malaysian Peninsula and Sri Lanka. The Sonardyne seabed transponder, deployed in 3,500 metres of water, detected the change in water pressure caused by the earthquake and automatically relayed a warning to the National Institute of Ocean Technology of India (NIOT) in Chennai. The monitoring team was then able to assess whether it was necessary to issue a tsunami warning to the highly populated communities around the coast of India.

A pressure sensor on the Sonardyne transponder used by the system enables it to detect the changes in water pressure that occur when a tsunami is passing. A 3 cm variation in pressure is enough to trigger it to send an acoustic signal to a radio link buoy on the surface from a depth comparable to the height of Mt Fuji. The buoy then automatically relays the signal to NIOT in Chennai via an Inmarsat communications satellite. If the pressure change is sustained the transponder enters "Tsunami Mode" and it maintains a regular series of pressure updates that are relayed to NIOT for analysis. If the data indicates that a tsunami is imminent, a warning can be issued to the population. For further information go to www.sonardyne.co.uk

1.g) STUDENTS EXPERIENCE SATURATION DIVING

12 young student divers from the Professional Diving Academy, Dunoon, recently visited the National Hyperbaric Centre for a 'sleepover' in the centre's saturation diving system.

This is not done by anyone else in the world and participants, all trainee air divers, may want to rise to the position of becoming a saturation diver – a position only attainable to them after qualification and a few logged years work as an air diver. As a taster, opportunity was given to experience conditions similar to a sat diver; a night was spent eating, sleeping and abluting in the NHC's on-site saturation system.

In addition to experiencing the environmental conditions of a sat diver, an NHC presentation was given, as way of introduction to the offshore environment, in particular, a chilling lecture on 60 ways to die as a diver: a sobering learning experience taken from a review of the fatalities in the North Sea.

The experience has proved popular with the students, so much so that the NHC are in plans to facilitate a repeat of the event with a second group of Academy students. For further information contact Karen Newlands, KNewlands@nationalhyperbariccentre.com

1.h) OSIL PERFORM UNDERWATER SURVEY OF MSC NAPOLI

Marine scientific specialists OSIL (Ocean Scientific International Ltd.) recently carried out an underwater video survey of the damage to the hull of the stricken container ship MSC Napoli off the Devon coast. The survey, which involved the use of a remote operated vehicle (ROV) and a specialist dive team, enabled experts acting for the ship and cargo owners to assess the damage to the hull. Subsequently the ship has been split in two for disposal. To view the video..... <http://uk.youtube.com/watch?v=UHPqEuKaKAK> For further information contact Dr Richard Williams, richard.williams@osil.co.uk or go to www.osil.co.uk

1.i) AUV FEST GIVES BLUEFIN A CHANCE TO DEMO NEW CAPABILITIES

The AUV Fest, held last month and sponsored by the Office of Naval Research, was a perfect place for Bluefin to stage their most recent vehicle capabilities. During the two-week long demonstration of autonomous underwater vehicles from around the USA, Bluefin was able to achieve two significant successes in terms of the progression of AUV technology.

The first came during a practice run of cooperative behaviours between multiple vehicles for the Autonomous Operations Future Naval Operations (AOFNC) Program. A team of two Bluefin-12 AUVs and one Bluefin-21 AUV ran offshore performing a MCM mission in synchronization while detecting mine-like objects and generating CAD/CAC snippets of data. The AUVs then successfully transmitted data across a hi-rate WHOI Micro-Modem and a University of Texas high frequency groundwave radio installed on an autonomous kayak developed by the Massachusetts Institute of Technology (MIT). It was the first time this level of complexity has been demonstrated not only by Bluefin Robotics but by any other entity in the community. The accomplishment later was reinforced during the final demonstration phase when twelve real-time synthetic aperture sonar (SAS) snippets of mine-like contacts were transmitted by the system. AOFNC is an ONR program which sponsored the technical development of the Bluefin-12 based system as well as the various technology components referenced. The second success resulted from the newest vehicle to the Bluefin family of AUVs -- the Hovering Autonomous Vehicle (HAUV). Originally developed in partnership with MIT and sponsored by the ONR Ocean Engineering Program, the Bluefin HAUV offers autonomous operations for rapid and close-range hull inspection with little to no human intervention. It is equipped with a Doppler Velocity Log, Inertial Measurement Unit, compass, GPS, and high resolution DIDSON imaging sonar. During operations in Panama City, the vehicle demonstrated high-speed acoustic communications capabilities as well as effectively imaging the bottom of a barge. The vehicle consistently imaged the area for over three hours on a single battery charge proving the reliability and robustness of the technology. For more information, visit www.bluefinrobotics.com or contact Deanna Abraham at dabraham@bluefinrobotics.com

2. EVENTS

2.a) PRE-REGISTRATION FOR OCEANTECH EXPO CLOSES ON AUGUST 10TH, 2007.

Only two weeks remain until the free pre-registration for OceanTech Expo closes on August 10th so log in and register before it is too late. www.OceanTechExpo.com/Registration. OceanTech Expo will be held 5 –7 September, 2007, Rhode Island, USA.

2.b) NEW FRONTIERS IN MARINE CONTRACTING – IMCA ANNUAL SEMINAR, -7 NOVEMBER 2007, PARIS, FRANCE

'New Frontiers in Marine Contracting', the theme of this year's International Marine Contractors Association's (IMCA) annual seminar ensures that a wide range of topics come under the conference spotlight. They include a variety of 'new frontiers' including deployment in newly developing areas of the offshore oil and gas world; working in ever-deeper water; increased use of sophisticated technology; rising to the challenge of skills shortages; and coping with terrorist threats. The annual seminar, will be held at the Paris Rive Gauche Hotel & Conference Centre on 6-7 November and is endorsed by IADC and OGP. Further information on all aspects of the IMCA Annual Seminar is available from www.imca-int.com/events

2.c) MARINE MEASUREMENT FORUM CONFERENCE PROGRAMME COMING SOON, 31ST OCTOBER 2007, BRIGHTON, UK

Registrations are already piling in for the forthcoming Marine Measurement Forum to be held at the Brighton Metropole on 31st October 2007. The organising team of International Ocean Systems and Intelligent Exhibitions are delighted with the response so far from not only delegates but by colleagues who responded to the call for papers in droves, eager to present at this popular event that is now in its 20th year. The conference programme will be announced soon, but don't miss out, 25% of delegate places have been sold already, email cb@intelligentexhibitions.com for a registration form or more information.

3. WHO'S ON THE MOVE

3.a) GEORGE MURDOCH AND DAVID CRUIKSHANK JOIN C-TECNICS

C-technics, the Scottish based subsea electronics and video systems manufacturing company has recently expanded into new premises to help meet ambitious growth plans. The base at Dunoon near Glasgow has expanded to include larger assembly and manufacturing workshops.

Increases in staffing include the appointment of George Murdoch as General Manager. George is an experienced multi-disciplined engineer who brings many years of knowledge in electronics, software development and mechanical engineering. Previous owner and founder, Crawford Grier, will remain with the company in a role of a design consultant.

David Cruickshank, who has spent many years in the offshore industry working with electronics equipment, including underwater TV and communications, has also joined to open an Aberdeen sales office which provides instant service to the North Sea customers. For further information contact David Cruickshank on +44 (0)1224 666 322

3.b) KIMBERLEY BRIDGE JOINS RS AQUA AS NEW CUSTOMER SUPPORT

Hampshire based RS Aqua Ltd announce the appointment of Kimberley Bridge to the post of customer support. Kim recently graduated from the University of Southampton with a 1st (Hons) Master of Oceanography degree and is looking forward to using her scientific skills to the benefit of RS Aqua's diverse client base. Her duties will primarily involve supporting oceanographer David Goldsmith in bringing the company's ever expanding product portfolio to the attention of existing and new customers alike. Co-incidentally, RS Aqua director Roger Scrivens briefly met Kim during the Ocean Business show in March when she acted as one of many student helpers for the show organisers. Visit www.rsaqua.co.uk for further information.

4. JOB POSTINGS

4.a) CUSTOMER SUPPORT ENGINEERS, KONGSBERG, ABERDEEN, UK

Kongsberg Maritime are currently recruiting experienced engineers and recent graduates with electronic engineering, computing or software engineering backgrounds to join their team of Customer Support engineers based in Aberdeen. There are various positions available in different aspects of their business including dynamic positioning, underwater navigation, hydrographic systems, marine automation and process automation. To be considered for these positions candidates must be excellent communicators, be creative, highly motivated and able to multi-task with the ability to work alone and in a team. For more details and to submit an application please email km.support.aberdeen@kongsberg.com

4.b) GPS SALES ENGINEER, OHMEX, SOUTH COAST, UK

A new joint venture company set up to service the marine sector in UK and Ireland requires a salesperson. Knowledge of precision GPS and hydrographic products essential, full product training given. This is an opportunity for an industrious self motivated person to get in place at the start of a new growth business. Interested candidates should email brief resume to ted@zeework.co.uk

4.c) HYDROGRAPHIC SENIOR/SURVEYORS (DG)/ OCEANOGRAPHER/ PHYSICAL OCEANOGRAPHER WANTED BY GARDLINE, UK

Hydrographic Senior/Surveyors (DG) - Closing date: 17th August 2007

To support a growing staff base, Gardline are seeking to appoint Hydrographic Surveyors to join project teams for data acquisition offshore and post-mission processing, mapping and report compilation and for multi-disciplinary inshore surveys.

Applicants will ideally be of graduate calibre or equivalent with relevant experience and hold a recognised surveying qualification. Swathe processing experience would be advantageous in a surveying-related subject. Successful candidates would be expected to spend approximately 180 days offshore, with the remainder of time on leave. For further details and an application form please write, enclosing an A4 size self-addressed envelope (unstamped) to; Human Resources Department, Endeavour House, Admiralty Road, Great Yarmouth, NR30 3NG or email hr@gardline.com.

The Oceanography Department of Gardline requires an Oceanographer - Closing date: 31st July 2007

Candidates will be required to prepare and maintain a wide variety of oceanographic instrumentation and conduct offshore/onshore deployment of the equipment. Analyse, process and interpret oceanographic data and prepare reports to a high standard.

Candidates must be team players, who communicate well and appropriately and enjoys a challenge. The successful candidate will be of degree calibre or equivalent in Oceanography or related subject and possess excellent IT skills. Candidates will also be required to have previous knowledge of equipment deployment; previous data analysis experience would be advantageous. Applicants will be required to travel and be keen to get involved and assist in the development of this rapidly expanding business. Tours of duty are up to eight weeks. For further details and an application form please call the Human Resources Department on 01493 845600 or email hr@gardline.com

Physical Oceanographer - Closing date: 10th August 2007

The Oceanography Department of Gardline Environmental Limited is seeking to recruit a Physical Oceanographer. Main duties include performing physically demanding small boat work deploying and recovering oceanographic equipment., maintaining a wide variety of instrumentation, preparing oceanographic moorings for deployment, analysing, processing and interpreting oceanographic data, producing written reports to a high standard.

Candidates must be team players, who communicates well and enjoy a challenge. The successful candidate will be of degree calibre or equivalent in Oceanography or related subject and possess excellent IT skills. . Experience of working on ships or smaller coastal vessels would be a distinct advantage. Applicants will be required to travel and be keen to get involved and assist in the development of this rapidly expanding business. For further details and an application form please call the Human Resources Department on 01493 845600 or email hr@gardline.com

4.d) RESON OFFSHORE LTD, ABERDEEN UK, SEEKS HYDROGRAPHIC SURVEYOR

The successful candidate will primarily be responsible for Installation, Acceptance and Training of RESON equipment. Other activities include Customer Support / Technical Help, assistance during Internal support / training, assistance during preparation of technical proposals, Presentations and Demonstrations. To apply, please forward your CV to shona@reson.co.uk

4.e) SALES POSITIONS AVAILABLE AT IXSEA INC BOSTON AND HOUSTON

Following recent expansion, IXSEA Inc. is currently recruiting for several highly motivated individuals to join their expanding sales team. Both positions require a good knowledge of the survey industry is welcome. Strong written and communication skills are essential. Salary is commensurate with experience. You must be willing to travel domestically and internationally as needed, with a valid passport and driver's license. For a comprehensive description of the company product lines, visit www.ixsea.com. Please email your CV to hr@ixsea.com.

4.f) RESEARCH FELLOW IN RISK MANAGEMENT AND RELIABILITY IN UNDERWATER SYSTEMS, NOCS, UK

The role will be to develop and carry out a research programme on risk management and reliability, focusing on underwater vehicles and moored instruments. The successful candidate will be expected to have a good first degree in engineering and a PhD in a relevant field, augmented with a good working knowledge of practical reliability engineering, a thorough theoretical understanding and literate in the IT tools for data analysis and presentation. Visit www.jobs.soton.ac.uk and apply on-line, or call +44 (0) 23 8059 2750. The closing date for this position is **29 August 2007 at 12 noon**. Quote reference number 1413-07-E on all correspondence.

4.g) CODA OCTOPUS SEEK SALES DEPARTMENT MANAGER AND SALES ACCOUNT MANAGER, EDINBURGH, UK

CodaOctopus are experiencing rapid growth and are now recruiting for two new positions in their Sales Department, a Sales Department Manager and a Sales Account Manager. Experience in selling equipment into the marine environment, both directly to customers as well as through a network of worldwide representatives, would be an advantage but, not essential. Whilst based in their Edinburgh, UK office, considerable UK and worldwide travel is a requirement. A very competitive salary is offered along with other associated benefits. For more details of these opportunities and how to apply, visit the "Employment" page in the "About Us" section of their website <http://www.codaoctopus.com/company/jobs.asp>

4.h) THE OCEANSCIENCE GROUP SEEKS A MECHANICAL/ROBOTICS ENGINEER/ AN OCEAN PRODUCTS SALES MANAGER/ A SALES EXECUTIVE

Mechanical/ Robotics Engineer

The Oceanscience Group is growing rapidly and need motivated, enthusiastic engineers and scientists to develop and build their industry-leading products. They are currently seeking a skilled robotics engineer with design experience. The successful candidate will be responsible for design and programming of their remotely operated and autonomous oceanographic and hydrologic vessels and systems. The ideal candidate will have a BSME with an MS in controls or robotics. Familiarity with autonomous vessels/vehicles, boat construction, GPS or radio control is desired.

Ocean Products Sales Manager

In addition they need an experienced sales manager to lead marketing and sales of their Ocean Product line. The product manager will be responsible for all marketing and sales activities for the product line, including direct sales and management of their international representative network. The successful applicant will maintain technical competency with all Oceanscience ocean products and must develop expert-level understanding of the Underway CTD and related products, data, and applications.

Sales Executive

They also need an experienced sales person to sell their line of ocean products. The successful applicant will maintain technical competency with all Oceanscience ocean products and must develop expert-level understanding of the Underway CTD and related products, data, and applications. To apply for any of these roles, use the email link on the employment page of www.oceanscience.com

4.i) PML VACANCY FOR REMOTE SENSING SCIENTISTS / SOFTWARE ENGINEERS, PLYMOUTH, UK

Plymouth Marine Laboratory (PML) has been awarded funding from NERC to improve the scientific output from the Airborne Research and Survey Facility (ARSF) suite of imaging sensors, principally the hyperspectral SPECIM Eagle/Hawk instruments. The project will involve a combination of software and application development and data processing on behalf of UK scientists. They are therefore seeking to recruit two enthusiastic and highly motivated individuals to develop, manage and operate the ARSF data analysis facility. The posts will also be able to become involved in the wider aspects of satellite and aircraft remote sensing in PML. For appointment at Junior Scientist grade you will have a degree or equivalent experience in a numerate science subject or computing. A PhD or equivalent experience is required for appointment at Scientist grade. Candidates for both posts should have extensive experience in computer programming in C, C++, IDL, Java or Perl, preferably in a Unix environment. Experience in image processing, remote sensing, or computer-based cartography would be valuable.