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OCEANBUZZ ISSUE 482 – 7th February 2017

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1. OCEAN BUSINESS 2017 NEWS

1.a) MARITIME AND DEFENCE DUAL-USE CONFERENCE AT OCEAN BUSINESS 2017

A free to attend conference designed to keep visitors at the forefront of the industry will run along the exhibition and workshops at Ocean Business 2017 on Tuesday 4 April at 09.00.

The conference will target maritime dual-use opportunities in autonomous systems and satellite applications, both of which are on a growth curve for investment, and are attracting widespread interest across public and private sectors. Hosted by Marine South East the goal of the conference is to highlight innovation priorities and initiate relationships across defence and commercial, involving major primes and SMEs.

Attendees will have the opportunity to hear from funding bodies and industry partners looking to fully exploit the entrepreneurial opportunities and synergies between dual-use products, services and technologies that can drive innovation in both the civil and defence marine and maritime sectors.

To register your free place at this event and for more information please go to: www.marinesoutheast.co.uk/news/collection/?coll=75

For more information visit <http://www.oceanbusiness.com/conference/>

Keep in touch with the latest Ocean Business 2017 news by following us on Twitter @OceanBusiness #oceanbiz, on Facebook and Instagram OceanBusinessShow, or by joining our LinkedIn group OceanBusiness.

1.b) INTERNATIONAL B2B MATCHMAKING EVENT, WEDNESDAY 5 APRIL 2017

Enterprise Europe Network is organising a free B2B matchmaking event on Wednesday 5 April at Ocean Business, to give visitors the opportunity to meet potential business partners during pre-arranged 30 minute meetings and create real business development opportunities with exhibitors and visitors active in the maritime sector.

The event is open to all attendees of Ocean Business 2017 and participants at the Maritime and Defence Dual-Use event, to provide opportunities to meet civil and defence partners on a 1-2-1 basis. Your agenda will be sent to you one week before the event with the exact time and location of your meetings.

The event is proudly organised and supported by Enterprise Europe Network, Greenwich Research & Enterprise, the National Oceanography Centre and the Maritime Technologies Sector Group and the Aeronautics, Space & Dual-Use Technologies Sector Group.

Register now at www.b2match.eu/oceanbusiness2017 or email t.benzie@greenwich.ac.uk with any queries.

For more information visit the Ocean Business website <http://www.oceanbusiness.com/conference/>

Keep in touch with the latest Ocean Business 2017 news by following us on Twitter @OceanBusiness #oceanbiz, on Facebook and Instagram OceanBusinessShow, or by joining our LinkedIn group OceanBusiness.

1.c) MEET EIVA AT OCEAN BUSINESS 2017

Meet EIVA at Ocean Business 2017 to learn more about the different offshore and shallow water applications of the NaviSuite data acquisition and processing software – including those involving the EIVA ScanFish ROTV and ToughBoy Panchax wave buoy as sensor platforms.

EIVA are hosting three workshop sessions, one on each day of the show: Tuesday 4 April at 17.00: ToughBoy wave buoy: Collecting/storing data – Including communication types, wave sensor as stand-alone product, features of EIVA Onshore server, remote configuration/monitoring; Wednesday 5 April at 12.00: ScanFish ROTV and NaviSuite software: UXO and oceanographic surveys – Including gridding/visualisation of data, real-time 3D visualisation, horizontal/vertical control of ROTV, and on Thursday 6 April at 09.00: NaviSuite software: Latest possibilities for data acquisition/processing – Including automated tools, sonar/LiDAR data automation/QC, pipeline inspection, construction/dredging support, features to come.

EIVA are exhibiting at Ocean Business 2017 on stand B6. For more information visit www.eiva.com

2. GENERAL OCEAN NEWS

2.a) TCARTA MARINE AND PROTEUS GEO ANNOUNCE MERGER

TCarta Marine, Denver, Colorado, USAS, has merged with Proteus Geo of Oxford, UK, to create a global mapping company that provides bathymetric and marine data sets from the shallow coastal zone out to the continental shelf. The new company is called TCarta Marine and will maintain offices in Denver and Oxford.

TCarta Marine will continue offering all existing product lines from the two companies as well as new products and services under development. Primary markets served will be engineering, oil & gas, government and defence with expansion planned into the insurance, 3D modelling and aquaculture industries.

In recent years, TCarta Marine and Proteus Geo collaborated on many projects and had numerous clients in common due to the complementary nature of their product lines.

In the near term, TCarta Marine and Proteus Geo customers can look forward to purchasing the existing 90-, 30- and 2-meter resolution product lines online through a new web portal, now under development.

For more information visit www.TCartaMarine.com

2.b) WORLD'S FIRST FLOATING MICROWAVE RADIOMETER COMPLEMENTS MEASUREMENTS OF THE FIRST FLOATING LIDAR

AXYS Technologies (AXYS) has announced that design work with Boulder Environmental Sciences & Technology (BEST) is underway to deploy the world's first buoy based microwave profiling radiometer on a floating platform, the FLiDAR WindSentinel.

Funded by the United States Department of Energy, the BEST Marine Profiling Radiometer (MPR) is the world's first microwave profiling radiometer specifically designed for deployment on a buoy. Once completed, the system will enable users to measure vertical profiles of temperature and humidity within the atmospheric boundary layer and up to 10km above the floating platform, in addition to wind profiles up to 200m provided by the LiDAR. A microwave radiometer provides the most economical (with respect to cost, power requirements, instrument size) measurements of temperature and humidity profiles.

These measurements will improve weather forecasting and lead to better site evaluation and energy production while optimizing the proficiency of existing wind farms. There are no consistent systems that provide such measurements on a regular basis and so the newly observed data will lead to an improved understanding of the interaction and physics of the ocean and atmosphere.

The FLiDAR WindSentinel and MPR will improve accuracy, reduce costs and allow for atmospheric observations at optimal locations.

For more information visit www.axystechnologies.com
Follow on Twitter @AXYStechinc

2.c) MEDITERRANEAN PIPELINE INSPECTION PROJECT

MMT has entered into a contract with Medgaz in Spain for inspection of the offshore pipeline between Algeria and Spain.

The project will be performed within the Joint Venture agreement between MMT and Reach Subsea utilizing the vessel Edda Fonn. The pipeline transports gas from Algeria to Spain and crosses the Mediterranean at a maximum depth of 2.155 metres of water. The inspection work will be performed in February 2017.

The project is important for MMT and Reach and demonstrates that their significant investments in personnel and technology for pipeline inspection projects have been successful.

For more information visit www.mmt.se
Follow on Twitter @mmtnews

2.d) STR INVEST IN 106G SERIES SUBMERSIBLE GPS FROM APPLIED ACOUSTIC ENGINEERING

Subsea Technology & Rentals Ltd (STR) have announced the purchase of a 106G Series Submersible GPS from Applied Acoustic Engineering. This recent purchase represents a further investment in advanced technology from STR as they continue to increase their equipment rental inventory.

The 106G is an additional GPS receiver designed to survive immersion that complements the operation of a nearby standard subsea positioning beacon. This arrangement is suited to coastal construction tasks where submersible vehicles may periodically break the surface.

Whilst submerged, positioning data is provided by a standard positioning beacon but once the vehicle breaks the surface the 106G takes over to provide the information required, typically cabled to the vessel based positioning system via the vehicle umbilical.

For more information visit www.str-subsea.com
Follow on Twitter @STR_Subsea

2.e) 4D NAV AND SONARDYNE PARTNERSHIP

The Julimar Project in Australia was conducted by Emas Chiyoda Subsea (ECS) in March 2016 and consisted of the installation of two manifolds and ten jumpers to connect them to the surrounding infrastructure. The project included an implied acoustic metrology component, which was featured as a case study in Sonardyne's Industry Magazine, Baseline.

Connect software, a product produced and sold by Sonardyne in partnership with 4D Nav was used to collect data, and was the key to organising and managing the process, as well as computing the results with a high degree of confidence. 4D Nav personnel were involved in planning and executing the project.

During the planning stages it was determined that a near-field Sonardyne 6G LBL array would be required to support structure installation and other in-field operations. Planning personnel then decided on using implied metrology based on this array and dimensionally controlled (DC)

receptacles on the manifolds for metrology instead of using additional equipment to set up traditional braced quad metrologies. All of the data collected during the metrology campaign was processed using the Connect software. Connect allows the user to define the DC offsets for each structure, and then use this information to reduce observations to any point on a structure.

The end result was a successful campaign. Survey results were delivered on time with reporting made easier due to the survey drawings automatically generated in Connect. The team was able to have a high degree of confidence in the results agreeing from one data set to the next, as they were processed together using common data, and finally, the spool pieces were successfully installed within specifications.

For more information visit <http://4dnav.com/media/press-room/>

2.f) ENABLING A BREAKTHROUGH IN HYBRID UNDERWATER VEHICLES

The Fusion is a breakthrough in hybrid underwater vehicles. In a unique way, it combines AUV and ROV capabilities with diver navigation and propulsion into just one system. Crafty engineering and high-end bespoke sensors have produced an underwater vehicle with efficient, capable and robust design.

Nortek's 1 MHz DVL has a bottom track that ranges from 20 cm to 50 m, and its housing is available with a 4000 m pressure rating. Even when offering this capacity, it is the industry's smallest DVL, and is easy to integrate and operate.

The Fusion underwater vehicle has a unique in-line transducer arrangement and Nortek has been there to help with this design. Nortek's contributions included recommendations and minor tweaks to make the vehicle work optimally.

The specific suite of sensors refers to inclusion of a multi-beam forward-looking sonar, side-scan sonar, USBL, DVL and AHRS. Most other platforms do not include these as standard and are certainly not integrated as tightly as in Fusion. This design makes the Fusion more efficient, capable and cost effective. For example, its design means reduced need for training and greater mission capability.

For more information visit www.nortek-as.com

Follow on Twitter @NortekNews

2.g) MAJOR IMPROVEMENTS ON THE ELLIPSE SERIES OF MINIATURE INERTIAL SENSORS FROM SBG SYSTEMS

SBG Systems has released a new version of the Ellipse Series, its popular product line of miniature inertial sensors. The Ellipse has been greatly improved, showing unmatched performance in attitude and heave measurement while adding Galileo constellation to its GNSS receiver.

After thousands of Ellipse miniature inertial sensors operational on the field, SBG Systems proves again its capability of continuous innovation. With major improvements, the Ellipse line of miniature inertial sensors strengthens its position as "best combination of innovation, performance, and reliability" while keeping the same form factor and price level.

For more information visit www.sbg-systems.com

2.h) SEAFLOOR SYSTEMS INTRODUCES ITS ECHOBOAT-G2 SURVEY BOAT

Seafloor Systems, a provider of customised hydrographic mapping solutions for the Survey and Civil Engineering communities, has designed the EchoBoat-G2™ Unmanned Survey Vessel

(USV) that can execute survey missions via remote control or semi-autonomous, utilising their modified Mission Planner Drone software.

With their AutoNav™ auto pilot module, the operator can pre-plan survey waypoints, upload via RF to the vehicle, and the EchoBoat drone will automatically execute the mission, going from waypoint to waypoint, then return to base.

The lightweight, portable, multi-payload vehicle comes with lifetime support. It is made from quality non-corrosive materials and includes efficient dual-DC thrusters and an internal plug-and-play survey deck to seamlessly install a variety of sonar and navigational monitoring equipment.

For more information visit www.seafloorsystems.com

3. EVENTS, TRAINING & DEMONSTRATIONS

3.a) LEADERS IN 3D VISUALISATION AND LASER SCANNING ATTENDING GEO BUSINESS, LONDON, 23-24 MAY 2017

Did you know that the Ocean Business team also organise the UK's largest geospatial technology trade show which is being held in London from 23-24 May 2017? We are seeing more of our core Ocean Business exhibitors and visitors attending the event as technologies used above ground are now having applications underwater.

The world's leading manufacturers of 3D visualisation and laser scanners will be in attendance plus a growing number of companies that offer solutions for working in the subsea and marine environment. If you are looking to diversify your current product line or already offer solutions that are focused on marine applications for inland waters, rivers and protected harbours, GEO Business will be of interest.

Following the same successful format as our Ocean Business event, the exhibition is FREE to attend where you will meet with more than 200 of the world's leading geospatial manufacturers and providers. In addition, there are more than 85 commercial workshops that will showcase the latest innovations from across the industry.

For many, attending GEO Business 2017 will be a business development opportunity but for others already in the market you may want to consider taking a stand. Stand prices start from GBP 1448 +VAT and include the opportunity to host a complimentary 30 minute workshop, which have historically proved very popular with visiting buyers for comparing products and final purchase decisions.

To see the growing number of exhibitors already participating, please visit <http://geobusinessshow.com/exhibition/exhibitors/> or for further information contact, Sheila Ramaiya, email: sramaiya@divcom.co.uk or tel: +44(0) 1453 836363.

3.b) SPECIALIST MAN OVERBOARD & FAST CRAFT INJURY PREVENTION WORKSHOPS, 25-26 APRIL, SOUTHAMPTON, UK

A unique programme of two one day events for the sub IMO / sub 24 metre professional sector is being held 'back to back' in Southampton UK on 25 & 26 April 2017. The fast moving workshop style programme brings together an international group of experts armed with the latest knowledge to identify problems that affect the maritime sector worldwide and highlight potential solutions.

Day one will focus on Man Overboard Prevention & Recovery. Topics include location of a casualty in the water, solutions range from crew keeping a traditional lookout to the latest electronic devices. Day two will focus on RS & WBV – Repetitive Shock & Whole Body Vibration

on planing craft. Sessions look at how high speed craft requirements and expectations are changing. Professional operators can learn techniques to improve efficiency and safety for everyone onboard.

Both Workshop days are relevant to workboats, pilot boats, patrol boats, search & rescue, survey vessels, wind farm support, superyacht tenders, training and charter vessels. The Workshops are being held at the Grand Harbour Hotel overlooking the historic port of Southampton. Supporters of the event include British Marine, Shipbuilders & Shiprepairers Association, UK Maritime Pilots Association, Southampton Marine & Maritime Institute, University of Southampton.

For more information visit www.shockmitigation.com

3.c) CALL FOR PAPERS - HYDRO17, 13-16 NOVEMBER, ROTTERDAM, THE NETHERLANDS

Abstracts of papers for presentation at the International Federation of Hydrographic Societies' (IFHS) 25th symposium and exhibition to be held in Rotterdam aboard the locally-berthed former cruiseship, SS Rotterdam, from 13-16 November are now required by organisers of the event representing individual members and organisations throughout Belgium and the Netherlands, The Hydrographic Society Benelux (HSB).

Expected to attract a worldwide audience drawn from all sectors of the hydrographic and associated professions, main conference proceedings will include a dedicated session for student and graduate presentations together with contributions from developing countries. Supporting functions include a major exhibition of equipment and services in addition to specialist workshops and on-water demonstrations.

Featuring further prospective connections between the hydrographic world and adjacent disciplines, principal conference issues will be wide-ranging. Key topics include Data Processing, Management & Integration, Cost-Effective Solutions, Geophysics, Subsea Surveying, Dredging & Offshore Uses, Marine Renewables, Hydrodynamics, Oceanography, Education & Training, and Future of the Hydrographic Profession.

Abstracts of up to 300 words on any of the designated topics or related issues are required by 1 March and should be forwarded to submissions@hydro17.com. Accepted authors will be notified before the end of April.

For more information visit www.hydro17.com

4. WHO'S ON THE MOVE?

4.a) SMI APPOINTS TOM CHANT AS DIRECTOR OF BUSINESS DEVELOPMENT AND SECRETARY TO AMSI & BMEA COUNCILS

Tom Chant has been welcomed by The Society of Maritime Industries' Chief Executive John Murray, as the new Director of Business Development and Secretary to the AMSI & BMEA Councils.

Tom has a long association with the marine industry having been an active sailor and student of boatbuilding in Southampton. His career has encompassed a wide range of market sectors and he has gathered experience of business development, marketing and distribution in an international business environment. A nine year period at the trade body for the leisure, superyacht and workboat sector was committed to developing the members' export business. This included running UK pavilions at overseas shows, management of inward and outward missions including Meet-the-Buyer events, plus the creation of market reports and representation on government committees. Recent career experience has been within the marine interiors sector managing

multiple distributors and OEMs from New Zealand, Australia, Turkey, Greece, UAE and South Africa.

For more information visit www.maritimeindustries.org
Follow on Twitter @SocMaritimeInd

5. JOB POSTINGS

5.a) ROBOTIC SYSTEMS ELECTRONICS ENGINEER NOC, SOUTHAMPTON, UK

Marine Autonomous and Robotic Systems (MARS), National Marine Facilities (NMF), National Oceanography Centre (NOC), Southampton are seeking an Electronics Engineer to join their Autosub Operations team who are designing and operating the NERC fleet of Autonomous Underwater Vehicles (AUVs).

Additional work may include working with Unmanned Surface Vehicles (USVs) and Remotely Operated Vehicles (ROVs). Through development and adoption of new technologies, the overall aim of the MARS group is to greatly improve the efficiency with which we operate autonomous vehicles in the world's oceans. The focus is to help scientists in their efforts to understand major issues such as global climate change, the sequestration of carbon and monitoring of ocean resources.

This is a Band 7/6 position and the starting salary will be £22,224 per annum (for Band 7 level) and £28,200 per annum (for Band 6 level). Depending upon skills and experience, a salary uplift and/or additional allowances may be available for exceptional candidates. There is an additional allowance of approximately £8,000 at current rates available for time spent at sea (approximately 90 days).

You will be expected to make contributions throughout the lifecycle of a variety of robotic projects from initial ideas and discussions through to generating specifications, design, implementation, testing and finally the operation of the systems at sea in support of the NERC marine science programme. The work will include electronic system development and testing.

For further details and a full job description/person specification and details of how to apply, please visit: <http://noc.ac.uk/about-us/working-for-noc/vacancies>

Informal enquiries relating to the post should be directed to Mr James Burris (james.burris@noc.ac.uk or 02380 597708).

Closing date: Sunday 12 March. It is proposed that interviews will take place on 7 April 2017.

5.b) EGS INTERNATIONAL ARE CURRENTLY RECRUITING FOR HSE/QA MANAGER - BORDON, HAMPSHIRE, UK

Part of the EGS Group operating worldwide, EGSi undertake professional and tailored survey solutions for a wide range of projects including: Hydrographic, Geophysical, Geotechnical, Oceanographic and Environmental surveys, working in both the inshore and offshore environments.

Reporting to the Directors, you will be responsible for providing HSE/QA support and advice across the business. You should be fully conversant with ISO9001, ISO14001, OHSAS18001 auditing standards and have demonstrable experience in a HSE role. Along with excellent HSE knowledge and practical application, you should possess CMIOSH/GradIOSH or similar qualifications.

Your work will involve the preparation of written reports following site visits, inspections, audits and investigations as required. You will also be instrumental in the delivery of training and advisory sessions to personnel and contractors when required. You will be primarily office based (though some site work will be required), possess a dynamic approach to work, with the ability to work well under pressure and in a team environment. All applicants must be eligible to work in the UK and possess a full UK driving licence.

Please send your CV and covering letter to: The HR Manager, EGS International Ltd, Unit 27 Woolmer Way, Bordon, Hants GU35 9QE or email: humanresources@egssurvey.co.uk

5.c) OFFSHORE MANAGER AT BIBBY HYDROMAP, UK

Reporting to the Operations Manager, overall responsibility for managing the technical aspects on offshore projects, ensuring safe operations whilst meeting company and client expectations in accordance with the scope of work and specifications.

Key responsibilities include: Lead by example to promote an environment and culture onboard where safety is at the forefront of all evolutions carried out and where observations (positive & negative) are encouraged; Coordinate and oversee all onsite HSE activities following policies and procedures ;Overall responsibility for the prompt completion and documentation of all mobilisation requirements; Provide technical and logistical support and resolutions across the Bibby HydroMap fleet to assure all assets are functioning to their best ability and systems are maintained to a high standard; Work closely with the Operations Manager to ensure the efficient start-up of projects and transition between them; Ensure that agreed project deadlines and specifications are met during acquisition whilst maximising productivity and efficiency; Overall responsibility on site for the quality and completeness of data, as well as ensuring that operations are complete and within the requirements of the scope; Line management of technical staff, conducting appraisals and providing regular feedback.

Minimum Requirements: University Degree in survey/ marine / geosciences related discipline; Previous experience of team management either in an onshore or offshore environment; Strong commercial, cost analysis and HSE awareness; Ability to manage teams and strong leadership skills. Excellent motivator and highly organised; Excellent communication skills at all levels; Calm under pressure; Assertive and confident

For full details on the job description please contact lynne.ashton@bibbyhydromap.com
Deadlines for applications must be submitted by the Friday 10 February. Please note offers to all new starters of the company will be subject to pre-employment checks.

For more information visit www.bibbyhydromap.com

5.d) SALES CO-ORDINATOR AT SUBSEA TECHNOLOGY & RENTALS (STR)

An exciting opportunity has arisen at Subsea Technology & Rentals (STR) for an Internal Sales Co-Ordinator to join the Great Yarmouth Sales team. The successful candidate will report directly to the Sales and Operations Manager with main responsibilities including; interpreting customer enquiries with support from company technical departments, generating quotations and proposals, processing orders through to client delivery and supporting marketing campaigns. Other duties include general department administration.

The ideal applicant will need to demonstrate a confident “can do” attitude in an often fast paced environment and must be a team player. The applicant will need to be an excellent communicator, offering exceptional attention to detail and be competent with all Microsoft Office programmes, with the capability to master the company’s commercial and asset database systems.

Interested applicants should forward their CV’s to: recruitment@str-subsea.com