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OCEANBUZZ ISSUE 488 - 21st March 2017

1. OCEAN BUSINESS 2017 NEWS

- 1.a) Looking for volunteers to inspire the next generation - 1.5 hours of your time!
- 1.b) Aquatec Group launch new advanced turbidity logger at Ocean Business
- 1.c) Kongsberg GeoAcoustics on-water demonstrations of latest USV GeoSwath system at Ocean Business
- 1.d) Hydrosphere launch latest version of the Mobilis DB500 at Ocean Business
- 1.e) 2G Robotics launch cutting-edge ULS-500 PRO at Ocean Business
- 1.f) Idronaut present new low power high performance CTD at Ocean Business
- 1.g) All Oceans to showcase the new MAC-ROV and SHUTTLE systems at Ocean Business
- 1.h) Geosoft to showcase Oasis montaj at Ocean Business

2. GENERAL OCEAN NEWS

- 2.a) Survey Equipment Services orders Sonardyne acoustic tracking technology on the spot
- 2.b) MBARI collaborates with 3D at Depth on next generation high resolution bathymetry system
- 2.c) CGG completes processing of Carabao regional multi-client study in the Philippines
- 2.d) Fugro hunts for more hydrocarbon seeps in US Gulf of Mexico
- 2.e) TES Survey Equipment Services as QPS reseller
- 2.f) Kraken and Fraunhofer sign Technology Licensing Agreement for underwater robotics
- 2.g) Martek Marine Named on world's biggest ever €67M maritime drone contract
- 2.h) OSIL vibrocorer for Exploration Electronics
- 2.i) Subsea Tech designs a USV for harbour and coastal surveillance
- 2.j) Exocetus selects Greensea for navigation and control
- 2.k) Are you prepared? New IMCA safety videos and pocket cards launched

3. EVENTS, TRAINING & DEMONSTRATIONS

- 3.a) WFS and Seatronics demonstrate drone-to-ROV wireless communications
- 3.b) SBG Systems announce new generation of the Ekinox Series inertial sensors at US Hydro, Texas, USA, 20 - 23 March
- 3.c) AXYS Technologies at Seanergy 2017, Le Havre, France, 22 - 23 March
- 3.d) Booking for SMI's annual conference ends on 28 March 2017
- 3.e) Hypack upcoming events in April
- 3.f) Scotland's first minister to speak at All-Energy, Glasgow, UK, 10 - 11 May 2017
- 3.g) Keynote speaker announced for Decom Offshore 2017, Aberdeen, UK, Wednesday 24 May

4. WHO'S ON THE MOVE?

- 4.a) Hypack opens office in Europe
- 4.b) Greensea appoints new quality control engineer

5. JOB POSTINGS

5.a) Geophysical engineer required at Fugro GB Marine, Portchester, Hampshire, UK

1. OCEAN BUSINESS 2017 NEWS

1.a) LOOKING FOR VOLUNTEERS TO INSPIRE THE NEXT GENERATION – 1.5 HOURS OF YOUR TIME!

If you can spare an hour and a half on Tuesday 4 or Thursday 6 April, we are looking for industry professionals to participate in the face-to-face meetings with students looking to find out more about working in the ocean technology industry.

The students can sign up for private 10 minute meetings and ask a range of questions ranging from: what they need to be successful; what is it like working in the industry; how much are they likely going to get paid; what are the job prospects etc. The time slots are 1400 – 1530 hours so still plenty of time to get around the show. If you want to be part of inspiring that next generation then please contact aclark@divcom.co.uk

For more information on all aspects relating to the show visit www.Oceanbusiness.com

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) AQUATEC GROUP LAUNCH NEW ADVANCED TURBIDITY LOGGER AT OCEAN BUSINESS

Aquatec Group are launching the latest addition to their sediment solved range, the AQUAlogger 310TY advanced turbidity logger, and will give a live demonstration on Tuesday 4 April at 12.30. Contact inquiry@aquatecgroup.com to reserve a place or book a meeting.

This instrument has new sensing capabilities, user friendly features and subsea data access. The compact logger measures turbidity to 10,000FTU (typical), with optional integral temperature and pressure sensors. It can be used in freshwater and ocean environments, with models for shallow and deep water. It also features a tool to convert turbidity to suspended sediment concentration using in situ samples.

New user friendly features include a 'Quick start' function that allows you to deploy the logger with the swipe of a magnet, and a 'Shake to show' feature that visually shows the current status of the logger with a light. With increasingly stringent lithium battery shipping regulations, the AQUAlogger 310TY overcomes potential transit issues by using standard user-replaceable batteries available across the world. Users can choose the type of battery most suitable for each deployment, whether alkaline, lithium or rechargeable.

Aquatec exhibiting at Ocean Business on stand R13.

For more information visit www.aquatecgroup.com

Follow on Twitter @aquatecgroup

1.c) KONGSBERG GEOACOUSTICS ON-WATER DEMONSTRATIONS OF LATEST USV GEOSWATH SYSTEM AT OCEAN BUSINESS

Kongsberg GeoAcoustics will present live demonstrations of their latest USV GeoSwath system on the dockside at Ocean Business each during the course of the show. This specialist shallow water mapping system is ideal for use in difficult to reach waterways and its wide coverage angle and real time sidescan acquisition parameters can all be set up and monitored from the operator's remote console.

Their dockside demos are on: Tuesday 4 at 14.00; Wednesday 5 at 15.00, and Thursday 6 at 10.00. Please sign up at the show or beforehand by contacting

geoacoustics.sales@kongsberg.km.com

In addition Kongsberg GeoAcoustics' new PulSAR wideband side scan sonar will be on show on board the RV Callista, along with Chesapeake's Sonarwiz acquisition software. This demo is on Wednesday 5 at 13.30. To sign up for this one contact sales@chesapeaketech.com Kongsberg Maritime are exhibiting at Ocean Business on stands N1 & P2 For more information visit www.kongsberg.com Follow on Twitter @kongsbergasa

1.d) HYDROSPHERE LAUNCH LATEST VERSION OF THE MOBILIS DB500 AT OCEAN BUSINESS 17

Hydrosphere are launching the latest version of the Mobilis DB500 on their stand and sharing more information about the DB14000, which you'll be able to see at the entrance to the exhibition. These data buoys can be fitted with a variety of meteorological sensors, including wind speed, direction and wave sensors that measure wave height, direction and period, ADCP with current, speed and depth, and CTD for temperature, salinity and conductivity, the data buoy platforms lead the way in the marine and maritime industry.

Hydrosphere are also showing the WITT energy electricity generator which converts motion into electricity. WITT has developed a unique, scalable energy harvesting technology prototype that creates electricity from all six degrees of motion.

Hydrosphere are exhibiting at Ocean Business on stand W42 For more information visit www.hydrosphere.co.uk Follow on Twitter @HydrosphereUK

1.e) 2G ROBOTICS LAUNCH CUTTING-EDGE ULS-500 PRO AT OCEAN BUSINESS

After several months of intensive development and testing, 2G Robotics are publicly launching the ULS-500 PRO at Ocean Business in April. The ULS-500 PRO improves upon 2G Robotics' proven dynamic underwater laser scanning solution by increasing the ease with which surveys can be performed.

The ULS-500 PRO boasts industry leading sample rates facilitating faster vehicle speeds while providing higher density point clouds. The system's higher sensitivity sensor provides more accurate data capture and has achieved results up to 20m in range. The addition of the SeaShot Imager Stills Camera and the SeaShot LED provides synchronized laser and stills camera operation for an even higher degree of detail during survey campaigns. Additionally, the ULS-500 PRO comes standard with a 4000m depth rating. With the best accuracy in the industry and real-time data acquisition, the ULS-500 PRO will replace the ULS-500 as the accepted technological norm for high resolution subsea survey.

2g Robotics are exhibiting at Ocean Business on stand F13. For more information visit www.2grobotics.com Follow on Twitter @2grobotics

1.f) IDRONAUT PRESENT NEW LOW POWER HIGH PERFORMANCE CTD AT OCEAN BUSINESS

Idronaut is showcasing its new low power high performance CTD, the OS310, at Ocean Business next month. Due to the adoption of state of the art technologies, the OS310 can be interfaced with up to 14 analogue sensors and two digital sensors. In addition to Idronaut's full suite of sensors, including the unique Idronaut pH sensor (used by most of the world CTD manufacturers), the OS310 can be equipped with UV antifouling and an innovative optical dissolved oxygen sensor. Sampling rates are user configurable from 1Hz to 28Hz to suite the most demanding monitoring activities.

The very flexible OS310 can be used as a stand-alone data logger or for full ocean profiling with standard oceanographic coaxial cables up to 12 Km long.

Idronaut are exhibiting at Ocean Business on stand G6
For more information visit www.idronaut.it

1.g) ALL OCEANS TO SHOWCASE THE NEW MAC-ROV AND SHUTTLE SYSTEMS AT OCEAN BUSINESS

All Oceans are showcasing their new work class ROV with capability to 6000m at a fraction of the weight, power and cost. Features include: Tow & Throw systems to 1,000m, Fly-Out systems to 6000m and flexible mission specific Shuttle systems to 6000m.

This opens new opportunities for smaller boats and smaller budgets to accessing, surveying, sampling cinematography in the underwater world, taking ROVs to new depths, enabling the Blue Economy with 4K visualisation discovery and recovery.

All Oceans are exhibiting at Ocean Business on stand A18
For more information visit www.alloceans.co.uk

1.h) GEOSOFT TO SHOWCASE OASIS MONTAJ AT OCEAN BUSINESS

The Geosoft team are showcasing their Oasis montaj and its application to offshore site investigations. This presentation will highlight the versatility of Oasis montaj in geophysical analysis by showcasing several client success stories in offshore oil & gas, oceanic studies and UXO (unexploded ordnance).

The demonstration will also illustrate the workflow and powerful range of tools dedicated to locating cables and pipelines, unexploded ordnance (UXO) and other marine hazards. To register visit http://ww2.geosoft.com/SPE-2017-04-06-Ocean-Business-Seminar_Registration-Page.html

Visit the Geosoft team throughout Ocean Business 2017 to discuss your technical questions and see how they can assist with your upcoming marine geophysical survey projects. While in Southampton, the team will be conducting Oasis montaj/UXO Marine training - a two day course that focuses on the tools and workflows specific to a single magnetometer system. Starting with the import of raw data, the course will progress through quality assurance, processing, and corrections and finish with picking and managing targets.

Geosoft are exhibiting at Ocean Business on stand G8.
For more information visit www.geosoft.com
Follow on Twitter @Geosoft

2. GENERAL OCEAN NEWS

2.a) SURVEY EQUIPMENT SERVICES ORDERS SONARDYNE ACOUSTIC TRACKING TECHNOLOGY ON THE SPOT

Like many organisations, subsea technology company Sonardyne uses trade shows to launch new products, speak to users about their requirements and identify industry trends. And whilst conversations first held at events regularly lead to a purchase decision, it can be weeks or months later before an order is actually placed.

But that wasn't the case during the recent Underwater Intervention show in New Orleans when equipment rental company Survey Equipment Services (SES) of Houston, placed an order during the show for a Sonardyne Mini-Ranger 2 USBL tracking system and multiple Nano transponders.

At the show, the team from SES were particularly interested in the benefits of Nano – Sonardyne's smallest ever USBL beacon. Measuring just 155mm long and weighing 200 grams in water, Nano is designed to be easily fitted to a diver or small ROV/AUV. It uses contactless charging and incorporates Sonardyne's 6G Wideband 2 acoustic signal architecture, delivering fast and robust positioning performance, especially in shallow water.

See Nano for yourself at Sonardyne's next show, Ocean Business, next month.

For more information visit www.sonardyne.com

Follow on Twitter @sonardyne

2.b) MBARI COLLABORATES WITH 3D AT DEPTH ON NEXT GENERATION HIGH RESOLUTION BATHYMETRY SYSTEM

The Monterey Bay Aquarium Research Institute (MBARI), a private, non-profit centre for ocean research and technology development, is working with 3D at Depth, a leader in subsea optical systems and solutions, on a next generation subsea LiDAR system optimised for autonomous seafloor mapping.

MBARI began testing the 3D at Depth SL1 subsea LiDAR system in 2013, incorporating the sensor into an ROV-mounted low altitude survey system that also includes stereo cameras, strobe lights, multibeam sonar, Doppler velocity log sonar, and an inertial navigation system. Using this system on both ROV Doc Ricketts and ROV Ventana, MBARI has achieved 1-cm resolution topography collocated with colour photographic imagery over 80m by 80m areas in single ROV dives. Early tests focused on a chemosynthetic clam community at 2850-m depth in Monterey Canyon, demonstrating that the LiDAR bathymetry could resolve individual animals and the trails left by their movements (as shown in the attached figure). More recently, the low altitude survey system has been used to map sponge communities on the summit of Sur Ridge and to monitor fine scale seafloor change in Monterey Canyon as part of a large experiment studying sediment transport down this very active canyon system.

One of MBARI's highest priorities is to measure and understand change in the oceans, including through seafloor mapping. The success of the prototype low altitude survey system has allowed MBARI and 3D at Depth to define the requirements for efficient 1-cm-scale swath mapping in the deep ocean, and to proceed with the development of a subsea LiDAR system that meets these requirements. The initial testing and use of the new LiDAR will be as part of the ROV-mounted survey system, but ultimately MBARI plans to field the low altitude survey capability on autonomous platforms.

For more information visit www.3DatDepth.com

Follow on Twitter @3DatDepth

2.c) CGG COMPLETES PROCESSING OF CARABAO REGIONAL MULTI-CLIENT STUDY IN THE PHILIPPINES

CGG has announced that the final geoscience data for its Carabao multi-client study, acquired offshore the Philippines, is now ready for delivery. The study integrates over 8,500km of new broadband prestack time-migrated 2D BroadSeis™ data and complementary marine gravity and magnetic data acquired with the seismic.

Map showing location of CGG's Carabao regional multi-client study offshore Philippines.

The BroadSeis data were acquired from May to August 2016 and processed in CGG's Singapore imaging centre, using the latest broadband imaging technology. The survey connects diverse sedimentary basins across the Philippines from West Palawan (the only currently-producing basin in the country), across the Sulu Sea, to the Philippines Mobile Belt. The survey area is characterised by extensional and compressional tectonic elements and displays positive indications of active petroleum systems.

The marine gravity and magnetic data were acquired and processed in parallel with the seismic survey by CGG Multi-Physics. This potential field data will aid interpretation by providing an overview of the basement-controlled structural trends in the area. By considering different physical properties of the same geological section, the potential field data can also discriminate between volcanics, intrusives, carbonates and salt, where present, further de-risking and enhancing interpretation of the seismic data.

For more information visit www.cgg.com
Follow on Twitter @CGGcompany

2.d) FUGRO HUNTS FOR MORE HYDROCARBON SEEPS IN US GULF OF MEXICO

In collaboration with multi-client geoscience data company, TGS, Fugro continues to map the seafloor in the Gulf of Mexico to pull together a complete picture of geological features, including hydrocarbon seeps.

This latest survey, "Otos", follows the successful completion of another TGS industry-funded "Gigante" survey in 2016, on the Mexican side of the 1,500-kilometre wide Gulf. Fugro has deployed two state-of-the-art geophysical survey vessels to acquire multibeam echo sounder (MBES) and sub-bottom profile data over the western, central and eastern regions of the United States' continental slope.

In water depths ranging from 750 metres to more than 4,000 metres, geoscientists on board Fugro Gauss and Fugro Brasilis will analyse seafloor bathymetry, its acoustic reflectivity, and shallow subsurface structures to identify hydrocarbon seep features on the seafloor and throughout the water column. Both vessels are equipped with hull-mounted MBES systems and the data collected will aid a subsequent geochemical coring campaign.

The final results of the Otos survey will provide novel insight into the regional-scale distribution of hydrocarbon seeps throughout the entire deepwater area of the northern Gulf of Mexico. TGS will license the data to exploration and production companies to support development activities in this prolific region.

For more information visit www.fugro.com
Follow on Twitter @fugro

2.e) TES SURVEY EQUIPMENT SERVICES AS QPS RESELLER

QPS and TES Survey Equipment Services (TES) have teamed up for the Middle East region. The partnership significantly broadens the portfolio of software products offered by TES.

Established in 2007 by Susan Murray, TES Survey Equipment Services (a member of the Ashtead Technology Group) sells and rents a range of environmental, geophysical, survey and ROV equipment. Tomas Hjelmberg, managing director of QPS said: "TES is a quality business with a strong client service ethos which is a great fit for QPS, and as a result of this agreement we strengthen our service offering to clients in the region".

TES serves a wide client base throughout the Middle East region, maintains a comprehensive subsea equipment rental fleet and holds a number of distributor agreements with leading equipment manufacturers, all backed by local technical support capability.

For more information visit www.qps.nl

Follow on Twitter @QPSofficial

2.f) KRAKEN AND FRAUNHOFER SIGN TECHNOLOGY LICENSING AGREEMENT FOR UNDERWATER ROBOTICS

Kraken Sonar have announced that in a strategic move to further strengthen its IP portfolio, it has signed an exclusive licensing agreement for underwater robotics technology with Germany's Fraunhofer Institute for Optronics, System Technologies and Image Exploitation (IOSB).

Fraunhofer is the largest organisation for applied research in Europe with 69 institutes, over 24,500 employees and a €2.1 billion annual budget. Since 2012, Fraunhofer has been developing intellectual property and technology related to underwater robotics. Over C\$6 million has been invested in Fraunhofer's underwater sensor robotics programs, culminating in the development of the DEDAVE Autonomous Underwater Vehicle (AUV).

Kraken plans to upgrade the DEDAVE vehicle with larger sensors, including Kraken's MINSAS 120 sonar with Real Time SAS Processor. The vehicle size will be increased by about 30% to support the larger payload capacity. The addition of tunnel thrusters will also provide a hovering capability for target inspection and precision manoeuvring.

For more information visit www.krakensonar.com

Follow on Twitter @KrakenSonar

2.g) MARTEK MARINE NAMED ON WORLD'S BIGGEST EVER €67M MARITIME DRONE CONTRACT

Martek Marine (Martek) has been awarded a ground breaking two-year Remotely Piloted Aircraft Services (RPAS) contract from the European Maritime Safety Agency (EMSA). The services offered will fulfil part of the world's largest ever maritime drone contract.

Part of a five-year EMSA strategy of improving coastguard monitoring and surveillance of maritime activity valued at EUR 67 million, the service provision from Martek not only includes the RPAS, commonly known as drones, but also the pilots, long-range antennae, mission control vehicles and ground crew. Video and drone sensor data will be streamed live to a control centre, to allow EU Member States to make prompt decisions on intervention actions.

RPAS will be used to perform beyond visual line of sight (BVLOS) operations and will assist with border control activities, search & rescue operations and monitoring of pollution, as well as the detection of illegal fishing and drug and people trafficking.

For more information visit www.martek-marine.com

2.h) OSIL VIBROCORER FOR EXPLORATION ELECTRONICS

Ocean Scientific International Ltd (OSIL) have recently supplied Exploration Electronics with a custom built 10m Vibrocorer system for use in their rental pool. Exploration Electronics specialise in the rental and operation of marine seismic systems for oil and gas exploration, hazardous site surveys and engineering investigations.

The Vibrocorer purchased by Exploration Electronics comes in easy to assemble 2m barrel and frame sections to allow different corer configurations/heights to be built up depending on the

requirements of the end user. The system can be used in dense or compacted sediments in depths of up to 600m.

The purchase of this system adds to Exploration Electronics' existing rental pool of seabed sampling equipment, which includes CPTs, Vibrocorers, Piston Corers, OSIL Box Corers, Grabs and Multi (Multiple) Corers.

OSIL adapted the vibrocorer system to meet Exploration Electronics' exact requirements, maintaining their reputation for working closely with customers to deliver high quality reliable equipment.

For more information visit www.osil.co.uk
Follow on Twitter @Oceanscientific

2.i) SUBSEA TECH DESIGNS A USV FOR HARBOUR AND COASTAL SURVEILLANCE

Developed in 2014, Subsea Tech's CAT-Surveyor was initially designed under a Research & Development contract with the French Ministry of Defence to carry out the detection and classification of UXOs (Unexploded Ordnances) and underwater mines in harbour environment. For that purpose, it was equipped with a Teledyne Blueview M900 imaging sonar and a Tritech Starfish side scan sonar combined to an onboard mini-ROV (Remote Operated Vehicle or underwater drone - The Observer from Subsea Tech). The sonars allow to detect suspicious targets while the mini-ROV will do real time visual identification of the targets.

Besides its autonomous navigation system, CAT-Surveyor also hosts an automatic target detection and classification software, using the Blueview imaging sonar, which allows selecting targets of interest and guiding automatically the mini-ROV to them.

Since then, CAT-Surveyor has now also been involved in several surveys such as dam bathymetry, bridge footers inspection in ultra-shallow waters and harbour dredging works monitoring using the Norbit WBMS multibeam echosounder and its associated INS and GPS RTK delivered by our partners SEABED from The Netherlands.

For more information visit www.subsea-tech.com
Follow on Twitter @SubseaTech_

2.j) EXOCETUS SELECTS GREENSEA FOR NAVIGATION AND CONTROL

Another Greensea system is entering the market – this time with the versatile, long duration, Exocetus Coastal Glider. Greensea is providing their commercially available navigation, control, and automation product based on their patent-pending OPENSEATM operating platform – the first operating platform for the marine industry – for the command and control of the Exocetus vehicle and sensors. The Exocetus AUV carries more payload and is faster than competing gliders. It also operates well in changing salinity conditions common along the coast.

For more information visit www.greensea.inc.com and www.exocetussystems.com,

2.k) ARE YOU PREPARED? NEW IMCA SAFETY VIDEOS AND POCKET CARDS LAUNCHED

Effective promotion of safe working practices is high on the workplace agenda, and keeping safety material fresh and accessible remains vital to putting over the message. This has led to the International Marine Contractors Association (IMCA) launching a new series of mini safety videos, each with a supporting pocket safety card.

The series launches with ten videos with 'Be Prepared to Work Safely' as part of the title. The first is 'Be Prepared to Work Safely – Working at Height' and there are nine others dealing with preventing slips and trips; toolbox talks; manual handling; permit to work; watch your hands; lifting

operations; line of fire; lifting equipment; and confined spaces – the dangers. A further five videos (and accompanying pocket cards) will be available later in 2017.

The videos are available in Arabic, Brazilian Portuguese, French, Indonesian, Italian, Latin American Spanish, Malay, Russian and Tagalog as well as in English, and are designed to appeal to a wide range of cultural backgrounds. The English language version of the videos is streamable from the IMCA website. IMCA member companies can download all other language versions.

For more information visit www.imca-int.com

Follow on Twitter @IMCAint

3. EVENTS, TRAINING & DEMONSTRATIONS

3.a) WFS AND SEATRONICS DEMONSTRATE DRONE-TO-ROV WIRELESS COMMUNICATIONS

Subsea wireless automation provider WFS Technologies and marine rental equipment specialist Seatronics demonstrated Drone-to-ROV wireless communications at a Subsea Internet of Things® event in Houston.

The demonstration in February at Delta SubSea (DSS) test tank facility in Houston, Texas was attended by representatives from Shell, ExxonMobil, Chevron and BP. Seatooth® wireless controllers were integrated with a Seatronics Predator II Inspection Class ROV and a DJI Inspire drone. 2-way data communications between the ROV and the drone were demonstrated while the ROV was submerged in a test tank and the drone flew overhead.

For more information visit www.wfs-tech.com and www.seatronics-group.com

Follow on Twitter @WFSTechnologies and @Seatronics

3.b) SBG SYSTEMS ANNOUNCE NEW GENERATION OF THE EKINOX SERIES INERTIAL SENSORS AT US HYDRO, TEXAS, USA, 20 - 23 MARCH

SBG Systems are presenting the new Ekinox 2 Series during the US Hydro Show, in Galveston, Texas. Ekinox 2 Series is a new generation of the SBG' advanced and compact inertial navigation systems. With new accelerometers and gyroscopes, Ekinox 2 attitude accuracy has been enhanced by a factor of two while improving resistance to vibrations and integrating the Beidou constellation.

For more information visit www.sbg-systems.com/products/high-end-inertial-systems-overview

3.c) AXYS TECHNOLOGIES AT SEANERGY 2017, LE HAVRE, FRANCE, 22 - 23 MARCH

AXYS Technologies are showcasing their leading offshore renewable energy technology and will be ready for all visitors at their booth located at section G3. Account Manager, Francois Berry, will be representing AXYS and can be reached at fberry@axys.com for any bookings or questions.

For more information visit www.axystechnologies.com

Follow on Twitter @AXYStechinc

3.d) BOOKING FOR SMI'S ANNUAL CONFERENCE ENDS ON 28 MARCH 2017

Booking for the Society of Maritime Industries (SMI) 2017 Annual Conference closes on Tuesday 28 March! Don't miss out on this rare opportunity to hear from speakers across the UK maritime industries and Royal Navy discussing their very close and important partnership.

Entitled 'Partners in the Maritime Enterprise: The Royal Navy and the UK Maritime Industries' the two day Conference will be held on 26-27 April at the world renowned Britannia Royal Naval College in Dartmouth. Both days will offer an insight in to this diverse relationship as well as explore new business opportunities which support the UK maritime enterprise. The first day will end with a networking reception on the famed College Quarterdeck followed by dinner in the Senior Gunroom.

The full programme and details on booking can be viewed here: www.maritimeindustries.org/SMI-Annual-Conference. The deadline to book is 28 March 2017.

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

3.e) HYPACK UPCOMING EVENTS IN APRIL

Hypack have a the following upcoming training opportunities: DREDGEPACK/Volumes Training in Baltimore, MD on 18 - 21 April; HYPACK Workshop in the UK on 19 - 21 April and HYPACK Single Beam Training in San Diego, CA on 25 – 26 April.

For more information visit their training page at <http://www.hypack.com/new/Training/Conferences,TradeShows,andTrainingSeminars/tabid/76/Default.aspx>

3.f) SCOTLAND'S FIRST MINISTER TO SPEAK AT ALL-ENERGY, GLASGOW EVENT CAMPUS, UK, 10 - 11 MAY 2017

Registration for All-Energy, the UK's renewable and low carbon energy exhibition and conference, opens online with the news that Scotland's First Minister, Nicola Sturgeon, will speak in the opening plenary conference session on Wednesday 10 May.

Held at the Glasgow Event Campus on 10 and 11 May, it brings together 7,000 participants; 400 exhibitors from 16 countries, and a multi-stream conference and seminar programme. All elements of All-Energy are free to attend for all with relevant professional/business interests.

Online registration is open at www.all-energy.co.uk

3.g) KEYNOTE SPEAKER ANNOUNCED FOR DECOM OFFSHORE 2017, ABERDEEN, UK, WEDNESDAY 24 MAY

Decom North Sea, the membership organisation for the oil and gas decommissioning sector, has announced Chris Cox, managing director of Centrica's Exploration & Production business, as keynote speaker for its flagship conference and exhibition, Decom Offshore 2017.

This year's annual conference, entitled "Challenging the Norm", is principally sponsored by Bureau Veritas UK and takes place on 24 May at Aberdeen Exhibition and Conference Centre.

With over 30 years extensive experience in global oil and gas upstream activities, Chris has also held a number of senior roles at BG Group plc and a variety of international technical, commercial and management roles with both Amerada Hess and Chevron Corporation.

Outlining his vision for North Sea decommissioning, his keynote address will explore a number of themes, including: risk-based and total cost approach to optimal timing; collaboration between regulators; industry bodies and operators to establish fit-for-purpose work scopes, and the urgent need for the supply chain to focus on solutions and delivery models that can support and collaborate with operators to manage their decommissioning activities and costs.

For further information on both, please visit www.decomnorthsea.com

4. WHO'S ON THE MOVE?

4.a) HYPACK OPENS OFFICE IN EUROPE

HYPACK have announced its expansion into Europe with the opening of their office in Germany, and the appointment of Boris Schulze as Manager, EMEA. This is their commitment to establishing a European core team that will be committed to the values and culture that made their company successful by providing excellent service and support to their agents and customers in the region.

Boris brings over 20 years of industry experience and extensive knowledge in hydrographic surveying. Boris holds a Masters degree in Geophysics from the University of Kiel, Germany. Prior to HYPACK, he worked for ELAC Nautik for 17 years with responsibilities in equipment installation and calibration, customer training and sales support. Boris' responsibilities will include sales support to existing customers and agents, promoting HYPACK® and Xylem synergies through demonstrations and seminars, collaboration with the European Xylem team, and expansion of their partnerships and business opportunities in the region.

For more information visit www.xyleminc.com or email Boris at boris.schulze@xyleminc.com

4.b) GREENSEA APPOINTS NEW QUALITY CONTROL ENGINEER

Greensea, creator of OPENSEATM, the universal marine industry operating platform, has announced the appointment of Kevin Wingart as Quality Control Engineer. Prior to joining Greensea, Kevin worked as a principal engineer for ERIN Engineering and Research where he performed probabilistic risk assessment for nuclear power plants.

Kevin served four years in the United States Air Force as an Information Technology Specialist and one year in the Peace Corps as a renewable energy technology transfer volunteer. He earned his B.S. degree in Electrical and Electronic Engineering from California State University. In his free time, Kevin enjoys ice hockey and medieval reenactments.

Kevin will lead the quality control department at Greensea and is primarily responsible for designing and implementing methods for process control and quality assurance.

For more information visit www.greenseainc.com

5. JOB POSTINGS

5.a) GEOPHYSICAL ENGINEER REQUIRED AT FUGRO GB MARINE, PORTCHESTER, HAMPSHIRE, UK

Fugro is one of the world's leading hydrographic and geophysical survey companies employing approximately 13,500 people in over seventy countries. An exciting opportunity has arisen for an experienced Geophysical Engineer to join their team. The role will be based offshore on their fleet of nearshore vessels and will include a mixture operational duties for a range of clients operating in the coastal and offshore marine markets worldwide.

Roles and Responsibilities but not limited to change to including: To collect and QC geophysical data from sites throughout UK waters and overseas; Collection of seismic data using boomer, pinger, chirp and sparker and seismic multichannel systems Maintenance of the geophysics workshop and storage facilities; Collection of seabed data using sidescan sonar and magnetometer; Repair and maintain geophysical equipment on-board to minimise downtime; Provide fault reports and inventories to the engineering manager.

You will work with a strong and talented team in a challenging environment and your attributes will include: Proven experience in an offshore online geophysical or geophysical engineering role; A degree or equivalent in Engineering (Electrical/Mechanical) or Geophysics; Benefits for this role include a competitive salary accompanied by contributory pension scheme and investment in training.

Please apply by submitting a CV and covering letter explaining how you can fulfil all aspects of this role at <https://www.fugro.com/careers/search-for-vacancies/apply/view?vacancyId=2407>

Fugro GB Marine Limited is an Equal Opportunities employer. All applications are judged on the relevant skills and experience of the candidate, and not by gender, sexual orientation, marital status, religion, belief, age, nationality (other than where work permits may be required), or ethnicity. No agencies please. This is a permanent, full-time contract. Closing date is 24 March 2017.

For more information visit www.fugro.com/careers