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## 1. OCEAN BUSINESS 2017 NEWS

### 1.a) HAVE YOU THOUGHT ABOUT THE MARINE ELECTROMAGNETIC MARKET?

With the need to diversify your business at its highest, have you thought about engaging with the Marine Electromagnetic market? The Ocean Business team also organise the world's only conference and exhibition dedicated solely to the marine electromagnetic Industry. The next MARELEC event is taking place in Liverpool, UK from 27 – 30 June 2017.

The world's leading experts on the MARELEC conference committee have highlighted the autonomous / remotely operated vehicle market as one they would like to engage with. To encourage this they would like to dedicate a whole session in the conference to unmanned vehicles and invite companies to showcase their AUV / ROV Systems within the exhibition. Our marine electromagnetic technical committee feel there are applications within the marine electromagnetic market that haven't yet been tapped into so it would be a great opportunity for you to make new connections and enter new markets.

The conference call for papers deadline has passed but there is still time to submit. The committee are particularly keen to hear your experiences / case studies within the below categories:

- Mine sweeping/clearance
- Novel Equipment and Techniques
- Platform Noise, Instrumentation, Detection and Communications
- Geophysical Surveying

MARELEC is a very niche event but for those that are looking to diversify into new markets, taking a day out of your schedule might be an investment really well spent.

**The deadline to submit an abstract for the call for papers is Friday 17<sup>th</sup> February, to submit please visit <http://www.marelec.co.uk/conference/call-for-papers/>.** Or find out how you can showcase your technologies at the upcoming MARELEC please email [carvonio@divcom.co.uk](mailto:carvonio@divcom.co.uk) or tel: +44 (0)1453 836363. [www.marelec.co.uk](http://www.marelec.co.uk).

### 1.b) CUTTING EDGE SCIENTIFIC RESEARCH AND TECHNOLOGY DEVELOPMENT TO BE SHOWCASED AT OB17!

The National Oceanography Centre (NOC) will be showcasing how its cutting edge scientific research, technology development and world-class facilities can be used to underpin the global ocean industry by helping to solve the many challenges faced as our economies become increasingly reliant on our oceans.

Throughout the three days of Ocean Business, the NOC will be hosting workshops and seminars highlighting how the work of the NOC can help with such issues as the decommissioning of the 475 oil and gas installations in UK seas, enable developing nations to conduct scientific research in their oceans and coastlines in an affordable way to support their economies and conduct surveys of deep ocean installation sites prior to construction.

Of particular interest is a presentation by Professor Matt Mowlen, Head of NOC's Ocean Technology and Engineering Group will be presenting NOC's Sensor & Instrumentation Development and future roadmap. We are also delighted to announce that a presentation given by Professor Ed Hill, Executive Director of the National Oceanography Centre and recent member of the Partnership for Observation of the Global Ocean (POGO) Executive Committee will afford you the opportunity to hear about the strategic priorities of POGO.

As well as these workshop and seminar sessions the NOC will be opening its doors for tours of the key testing facilities that are available for commercial hire, so that visitors can speak with the teams that run these facilities and discuss the potential for their use.

The full exciting programme can be found at <http://www.oceanbusiness.com/conferences-seminars/noc-workshops-seminars/>

### **1.c) 17 US BLUETECH COMPANIES TO WATCH IN 2017 – PRESENTATIONS AT OB17!**

The Maritime Alliance (TMA) will host a series of 15-minute presentations from companies selected for the first-ever U.S. Maritime Technology Export Initiative and recognised among the “17 U.S. BlueTech Companies to Watch in 2017.”

These small innovative U.S. BlueTech companies will provide case studies, technical details of their technologies and discuss opportunities for collaborating in an open session that promotes networking and international collaboration. Sector areas of focus include aerial drones, ballast water, remotely operated vehicles, unmanned surface and underwater vehicles, vertical profilers and more.

For more information visit <http://www.oceanbusiness.com/conferences-seminars/the-maritime-alliance-presentations/>

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## **2. GENERAL OCEAN NEWS**

### **2.a) MODUS UNVEILS NEXT GENERATION SURVEY AND INSPECTION CAPABILITY**

Modus Seabed Intervention has completed system integration and trialling of one of the subsea industries first commercially available hybrid unmanned underwater vehicles; driving high performance, quality and cost-effective delivery of survey and inspection projects in the offshore, defence and oceanographic sectors.

The Modus hybrid is one of the first Autonomous Underwater Vehicles (AUV) to feature the capabilities and characteristics of a Remotely Operated Vehicle (ROV). Working in partnership with Saab Dynamics for over three years, global subsea service provider Modus has developed the Saab Sabretooth specification for greater endurance and speed, and is also developing advanced sensor payload packages and operating methodologies.

Having completed a programme of integration tests and trialling both in Sweden and in the UK, the company is preparing the advanced spread for its first commercial deployment. The system will be used in survey and inspection projects in the oil & gas, interconnector and offshore renewables sectors to support pre-engineering, construction support and life-of-field condition monitoring requirements. The company is also working on a number of applications in the oceanographic and defence sectors.

For more information visit [www.modus-ltd.com](http://www.modus-ltd.com)

### **2.b) CLS ACQUIRES THE AMERICAN COMPANY WOODS HOLE GROUP**

CLS, a leading French satellite-services specialist, has announced the acquisition of Woods Hole Group, an American company specialised in sustainable and resilient solutions for coastal sciences and engineering, applied ecology, oceanography and measurement systems.

By acquiring Woods Hole Group, CLS can now offer complete solutions including field equipment and services, data analysis, modelling, environmental assessment and related expertise to its customers.

For more information visit [www.cls.fr](http://www.cls.fr)

## **2.c) PNG GLIDER SURVEY DELIVERS RESULTS**

Following Ecoscope's announcement late last year, Blue Ocean Monitoring has now recovered its Slocum glider from the Gulf of Papua and in collaboration with Gardline Marine Sciences is currently processing and interpreting the oceanographic data for environmental and geochemical requirements.

Ben Hollings, Chief Technical Officer for BOM explained that data received from the glider's satellite transmissions showed some very promising results which helped maximise the MV Duke's geochemical seep hunting operations along the shelf, for Searcher Seismic.

Ben Hunt, Marine Science Manager for Gardline said: "The field campaign went flawlessly and the data presented through BOM's web interface was great to visualise. BOM's team were extremely professional and piloted the glider 24-7 via their branches in Perth, W.A. and Houma, Louisiana".

Data processing and reporting will continue into next month with final results available for review through Ecoscope and Searcher Seismic.

For more information visit [www.gardlinemarinesciences.com](http://www.gardlinemarinesciences.com)

## **2.d) INNOVA NORWAY SELECTS SONARDYNE SPRINT-NAV FOR RESIDENT ROVS**

Innova, a specialist subsea engineering and technology company based in Norway, has selected acoustic and inertial navigation technology from Sonardyne International, for two new in-field resident ROVs (Remotely Operated Vehicles) being built in the country.

Each ROV will be installed with a co-housed Sonardyne SPRINT Inertial Navigation System (INS) and Syrinx Doppler Velocity Log (DVLs) to provide tightly coupled navigation data that will support a wide variety of survey and inspection missions in water depths up to 4,000 metres.

The two ROVs are being built by IKM Technology, this time for delivery to IKM Subsea, who has contracted Innova to supply various on-board sensors, including the navigation system, as part of the vehicle's development programme.

The all-in-one design of SPRINT-Nav makes installation on AUVs and ROVs straightforward, saves payload space and importantly, improves subsea navigation integrity. The design also features a high accuracy pressure sensor which can be removed in the field for re-calibration and still allow the SPRINT-Nav unit to be deployed.

For more information visit [www.sonardyne.com](http://www.sonardyne.com)

Follow on Twitter @sonardyne

## **2.e) RTSYS IS LISTENING IN ON THE BRETON SABELLA D10 TIDAL TURBINE**

RTsys, the French-based company, has been selected to provide a sensor system for the Breton Sabella D10 tidal turbine. Having been tested over the course of a year, between 2015 and 2016, Sabella D10 will be submerged once again in spring 2017 for further testing in the Fromveur Passage, off the coast of Brittany.

The system offered by RTsys enables the simple, reliable, remote use of a set of sensors for measurements such as current and wave measurements in addition to underwater video cameras and hydrophones.

The objective is to better understand the parameters of the underwater environment to help optimise tidal turbine operation by assessing the way that it interacts with its environment as well as any impacts. For example, the hydrophones record different sounds: those of the underwater fauna, demonstrating its activity, but also those made by the tidal turbine, in order to better understand and manage it. The sensors are placed on and around the tidal turbine and the data is sent by a cable data acquisition station on the mainland, which enables the tidal turbine's environment and production to be monitored continuously, in real time.

For more information visit [www.rtsys.eu](http://www.rtsys.eu)  
Follow on Twitter @r\_tsys

## **2.f) STATE-OF-THE-ART KONGSBERG MOTION COMPENSATED, INTEGRATED 'WALK-TO-WORK' SYSTEM TO BE INSTALLED ON OLYMPIC ORION MPSV**

Olympic Shipping has chosen Kongsberg Maritime's new K-Walk integrated vessel gangway solution for installation aboard the Multipurpose Offshore Vessel (MPSV), Olympic Orion.

Designed to significantly increase efficiency and safety for Walk-to-Work duties, K-Walk will be integrated with the advanced Kongsberg Information Management System (K-IMS) and the existing K-Pos Dynamic Positioning system on board Olympic Orion, which will be upgraded as part of the installation in the latter half of 2017.

Olympic Orion will utilise the innovative K-Walk solution following its launch as part of KONGSBERG's new Integration Strategy in Fall 2016. The system takes a new approach to increasing productivity and efficiency for Walk-to-Work vessels by improving operability of key systems on board. In addition to full integration with K-IMS to enable mission and route planning for increased service capability within a wind farm, the system interconnects with the DP and a planning station. The system extends vessel availability by increasing the operational weather window.

For more information visit [www.kongsberg.com](http://www.kongsberg.com)  
Follow on Twitter @kongsbergasa

## **2.g) AXYS TO PARTICIPATE IN FIRST STAGE OF WIND DEVELOPMENT IN PORT-LA NOUVELLE FRANCE**

AXYS Technologies will participate in French EoIMed wind development initiatives in the zone between Port-La Nouvelle and Gruissan. An AXYS WatchKeeper buoy will be deployed by French company Créocéan on the behalf of QUADRAN, at the location over the next year to gather comprehensive metocean data. This marks the first stage of floating offshore wind development in that area and will gather essential preliminary environmental data to support future design and financing decisions.

The WatchKeeper buoy is equipped to provide wind speed and direction, air temperature, relative humidity, barometric pressure and directional waves. The buoy also uses an AIS Aid to Navigation device, which broadcasts buoy position and weather information to local vessel traffic. This protects the buoy from collision by notifying vessels of its location.

For more information visit [www.axystechnologies.com](http://www.axystechnologies.com)  
Follow on Twitter @AXYSTechinc

## **2.h) CGG DELIVERS FINAL PRESTM DATA FOR HOBO MULTI-CLIENT SURVEY IN MIDLAND BASIN**

CGG have announced that the final processed time volumes (Orthorhombic Kirchhoff PreSTM) from its recent Hobo 3D multi-client survey in the highly prospective Midland Basin are now available for license.

This Howard County, Texas, USA project delivers 342 square miles of wide-azimuth seismic data with ultra-low-frequency content down to 3Hz for optimal reservoir characterisation. The seismic data is available now and will be complemented by a full reservoir optimization package that will be available in July 2017 and includes petrophysics, quantitative interpretation, RoqScan™ quantitative mineralogy, and also geochemistry and geomechanics. This package will deliver a comprehensive reservoir study of elastic rock properties, fracture information and lithological volumes that will assist with effective borehole location and completion planning.

For more information visit [www.cgg.com](http://www.cgg.com)  
Follow on Twitter @CGGcompany

## **2.i) TRIMBLE ANNOUNCE BUSINESS CENTER - HCE FOR MARINE**

Trimble has announced its software Business Center office software, for marine applications including hydrographic surveying processing, dredging surveys and volumes, multi-beam data set management and marine and land construction design.

The software takes data from hydrographic surveying software such as Trimble HYDROpro or other industry standard systems. The software can design engineering projects and/or import designs. It's possible to manage marine point cloud data to check for errors in the data set, to view models in 3D to check validity of marine and land topography, then determine volumes prior to dredging and report progress volumes. The software is also used to merge terrestrial and hydrographic data to manage the surf zone, plot colour coded waterway bed contours and cross sections. It's also used to evaluate different channel or breakwater alignments to quickly find the ideal design

For more information visit <http://construction.trimble.com/>  
Follow on Twitter @TrimbleCorpNews

## **2.j) TDI-BROOKS INTERNATIONAL ACQUIRES ENGINEERING FIRM CERTIFICATION**

TDI-Brooks International have acquired Engineering Firm certification with the State of Texas due to extensive experience in the area of offshore environmental, geotechnical, and geological site investigations, and expands offerings to include seafloor and subsurface soil engineering services. Headquartered in College Station, TX, TDI-Brooks strives to provide a professional service to support each client and project by incorporating industry resources, relationships, technology, and safe practices. TDI-Brooks has a staff of nearly one-hundred individuals including fourteen Ph.D. level oceanographers, geochemists, biologists and geologists. TDI-Brook's mission is to safely deliver high-quality oceanographic services, including acquisition, sampling, analysis and scientific interpretation, to the marine environmental, geochemical, geotechnical and survey marketplace.

For more information visit [www.tdi-bi.com](http://www.tdi-bi.com)

## **3. EVENTS, TRAINING & DEMONSTRATIONS**

### **3.a) CARBON CAPTURE AND STORAGE – MEASURING, MONITORING AND VERIFICATION TRIALS**

This year sees the culmination of the Energy Technologies Institute funded programme to develop a system for monitoring the integrity of marine storage sites for Carbon Capture and Storage. This

has been led by a consortium of Fugro and Sonardyne with support from the NOC, BGS, Plymouth Marine Laboratory and the University of Southampton. This system has a high focus on the application of autonomous surveying and the trials will look to prove the design against live CO2 leaks.

Harbour trials will be conducted in Portland Harbour, with an engagement week commencing 3rd April. Sea trials will be held over the summer in the North Sea.

To register an interest or arrange attendance please contact Robert Hines, [r.hines@fugro.com](mailto:r.hines@fugro.com)

For more information visit [www.fugro.com](http://www.fugro.com)

Follow on Twitter @fugror

### **3.b) QINETIQ TO HOLD FIRST YEAR OF AUTONOMY EVENT ON TUESDAY 28 FEBRUARY**

QinetiQ are a founder member of the South Coast Marine Cluster, a network of institutions working together to stimulate greater marine-related economic growth and productivity across the south coast of the UK. The cluster have launched a programme of events, under the banner 2017 - Year of Autonomy. The aim is to bring together innovators and users from across marine, land and air autonomy to address key challenges and share learning with the aim of developing cross sector collaboration to address these challenges.

Taking place at Portsdown Technology Park on Tuesday 28 February, the first event is focused on Collaborative Autonomy, the operation of multiple autonomous systems operating as a squad or swarm, including across environmental boundaries, to deliver an integrated effect. Attendees will hear from industry, academia and customers on recent successes and priorities and have an opportunity to discuss how we unlock the potential of this exciting technology. Further events are planned at other cluster member's sites during 2017.

For more information visit Event Brite <https://ktn-uk.co.uk/events/collaborative-autonomy-workshop>

Follow on Twitter @QinetiQ

## **4. WHO'S ON THE MOVE?**

### **4.a) ATLAS PROFESSIONALS TO ESTABLISH NEW TEAM IN HOUSTON**

Specialist recruiter Atlas Professionals is opening a new office across the pond in the "Energy Capital of the World", Houston, Texas, USA. The move is in line with the company's goal to create a presence in North America and become a local point of contact for Atlas' existing clients and professionals. Atlas Business Manager for Renewables Laura Smith will be taking on the exciting challenge of managing a new specialist team who will focus on expanding their services into new markets in the region.

Initially, the team will focus on Atlas' specialist markets including drilling & well services, engineering & project controls and special competencies such as offshore survey, management & QC and seismic. Once established, the team aims to break into offshore wind, a developing market on the east coast.

For more information visit [www.atlasprofessional.com](http://www.atlasprofessional.com)

Follow on Twitter @Atlas4Jobs

## **5. JOB POSTINGS**

### **5.a) EIVA IS LOOKING FOR AN OFFSHORE TECHNICIAN/ENGINEER, DENMARK**

Would you like to take your service technician/engineer experience to sea? EIVA are on the lookout for a service technician/engineer for a full-time position to work in close collaboration with their team of engineers, technicians and surveyors.

Please note that this is not a freelance position, as they are looking for a full-time employee. EIVA is an engineering company operating in the international maritime industry. They offer hardware, software and services such as rentals, maintenance and training to customers specialising in offshore wind, oil and gas, and construction, just to name a few. Consequently, there is a lot of specialised equipment in play – and specialised skills.

As an offshore technician at EIVA your tasks will include: onsite mobilisation of survey equipment and electronics; hands-on training for those customers who might not have experience with the equipment themselves; harbour acceptance tests and the like in collaboration with customers; maintenance of the equipment when you're not travelling, together with other miscellaneous workshop tasks; production/assembly of EIVA-manufactured equipment.

Candidates familiar with instruments for operation above and below the water surface in interaction with sensors and sonar equipment will get a big plus in the margin. Especially if you have all the necessary offshore certificates.

You'll be working out of our headquarters in Stilling, Denmark (just one minute away from E45 and 15 minutes away from Aarhus), when you're not travelling the world to assist customers on site. Consequently, you will need to live in Denmark or be prepared to move here.

Please send your application and CV to [eiva@eiva.com](mailto:eiva@eiva.com) and include 'Offshore technician' in the subject line of your email.

### **5.b) KLEIN MARINE SYSTEMS SEEK REGIONAL SONAR SALES MANAGER**

At Klein, their regional sales managers work "one on one" with customers and distributors to promote their products and capture business by providing effective system solutions. The regional sales manager works in concert with the company's marketing, engineering, and manufacturing departments to ensure that the products offered meet the needs of the customers. This position requires a strong technical understanding of their product's performance, key features and applications and the ability to couple this understanding with customer needs to define optimal system solutions. Candidates who do not show evidence of listed requirements will not be considered.

**Duties and Responsibilities:** Manage and interpret customer requirements – work with customers to understand, anticipate and meet their needs; Work with independent domestic and international sales representatives in pursuit of sales; Independently prepare quotes, proposals, and position papers based on customer specifications; Close and grow sales through professional communication with existing and potential customers; Provide support in advertising, exhibitions, conferences and other promotional activities; Participate in creating, implementing and executing strategic and tactical sales strategies across a broad spectrum of markets; Ability to travel within the United States and internationally (approximately 25% of time).

**Requirements:** Knowledge or familiarity with SONAR systems, acoustics, signal processing, etc; Five + years experience in a technical sales role; Strong technical skills: able to present technical concepts and provide customers with hands-on demonstration of our products (marine technology experience a plus); Bachelor's degree, preferably in a science or related field; Self-starter; motivated, team focused and results driven; Strong presentation and time management skills with outstanding communication proficiency; Demonstrated track record of consistently exceeding company's goals as well as strong negotiation and closing ability; Previous operational experience in the Navy will be favourably considered.



For more information email [Paul.Gardner@kleinmarinesystems.com](mailto:Paul.Gardner@kleinmarinesystems.com) or visit [www.kleinmarinesystems.com](http://www.kleinmarinesystems.com)

### **5.c) ATLAS PROFESSIONALS SEEK ACCOUNT MANAGER – SURVEY, NEWQUAY, UK**

Do you have the experience, the knowledge and the drive to take on the role of an Account Manager? Their goal to invest in people works both ways; they strongly believe in the training and the development of their staff to prepare them for the daily challenges within Atlas.

Atlas' Account Managers are at the heart of their organisation and ensure that the needs and expectations of their clients and professionals are fully satisfied. Their Account Managers are the first point of contact for their professionals and clients for whatever situation. Their main responsibilities include the daily operations, sales and services provided to their allocated accounts. The Account Manager is supported by the Personnel Coordinators, in the recruitment, administrative, logistics and HR aspects of professionals that are deployed on the order of their clients.

The ideal candidate will be commercially focused, with a proven track record in sales, preferably within the recruitment or offshore / construction industries. You will have a good attention to detail whilst being able to review and amend complex contractual and operational documents. The preferred candidate will pride themselves on providing excellent customer service, and be fully competent at negotiating and communicating with a high level of professionalism. All applicants should be educated to degree level, or have the ability to perform at this level by experience.

Should you be interested in the position of Account Manager, please send your application via the link below. For more information, please contact Laura Thomas, HR Executive.

Please find the vacancy (with all of the relevant contact details) listed here

<http://jobs.atlasprofessionals.com/job/account-manager-offshore-survey-construction-newquay-cornwall-LT-057734/>