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OCEANBUZZ ISSUE 149 – 11th May 2010

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1. GENERAL OCEAN NEWS

1.a) RBR ANNOUNCES DELIVERY OF THE MS-310 MICRO SALINOMETER TO THE NATIONAL OCEANOGRAPHY CENTRE, SOUTHAMPTON, UK

NOCS chose the MS-310 to continuously monitor the salinity bath at their calibration facility. Furthermore the design of the MS-310 allows the NOC to develop an automation and control system to direct the MS-310 to sample automatically.

The selection of the MS-310 was made because it provides a highly accurate and stable ratio-metric determination of salinity that is temperature independent. The innovative dual cell approach removes the need for highly stable bath temperatures since both cells are surrounded by a well stirred oil bath to ensure thermal uniformity. This ensures that sample properties needn't be changed by warming to match the salinometer, making it ideally suited to NOCS' requirement to calibrate over a range of temperature.

The MS-310 achieves an accuracy of ± 0.002 PSU and uses sample volumes of less than 20 ml. The consumption of expensive standard seawater is greatly reduced through a standardization technique which allows the standard sample to be reused for many measurements. The MS-310 is economical and versatile; it is small and portable and can be used in a laboratory, or in the field.

RBR is excited that the popularity of the MS-310 is growing with recent orders in Europe, Middle East and Asia as the MS-310 provides oceanographers with a reliable shipboard and laboratory method to verify the performance of sophisticated modern CTD instruments.

Further information can be obtained by contacting info@rbr-global.com.

1.b) DEEP UV OPTICS NOW AVAILABLE FOR C3 SUBMERSIBLE FLUOROMETER

Turner Designs now offers a Deep UV Optical Kit for their C3 Submersible Fluorometer which enables detection of Refined Oils and Fuels. Recent developments in LED technology allow for excitation wavelengths down to 260nm. Using BTEX as the standard, the C3 is able to detect as low as 0.1ppm over a dynamic range >2500ppm.

The C3 Submersible Fluorometer is designed to incorporate up to three optical sensors, temperature and depth. Sensors can be selected to detect in vivo Chlorophyll a, blue green algae, rhodamine WT dye, fluorescein dye, crude oil, CDOM, optical brighteners, and now also refined fuels. Turbidity sensors are also available.

For further information please contact Tom Brumett, Sales Engineer on Tel: +1 408 749 0994 x 146 or E-Mail: sales@turnerdesigns.com. www.turnerdesigns.com.

1.c) AXYS SELECTED AS VIATEC AWARD FINALIST

AXYS Technologies, Inc. (AXYS) has announced they have been selected as a finalist for a VIATeC Technology Award for Innovative Excellence. The Innovative Excellence award recognises a company that has researched and designed an innovative service, process or product that is expected to revolutionise a sector, method of business or way of life. Designed and launched in 2009, the innovative WindSentinel™ wind resource assessment buoy is ground-breaking in the offshore wind power industry for four reasons: The WindSentinel™ requires substantially less time to deploy than a standard meteorological mast, it requires no significant licenses or governmental approvals, and it costs one-tenth of the traditional met tower while allowing developers to move and reuse the buoy in multiple locations and projects. The WindSentinel™ also has the ability to support additional sensors, allowing developers to perform wind assessment and comprehensive environmental monitoring, such as current and wave profiling from one buoy.

"We can all agree that innovations that accelerate the speed with which a given renewable energy project can contribute clean energy to the grid is a good thing" said Dennis Stacey, Renewables International Business Development Lead at AXYS. "The WindSentinel does just that and we're very proud of that fact."

Growth in the offshore wind power industry has been rapidly increasing with over 165 new wind farms planned across the globe in the next five years.

The Victoria Advanced Technology Council (VIATeC) 2010 Technology Awards Gala will be held Thursday May 13 at the Victoria Conference Centre, Victoria, BC, Canada.

For further information contact AXYS at info@axys.com or visit www.axystechnologies.com.

1.d) ELASTOPIPE™ GROWTH MET BY INCREASED TRELLEBORG FACTORY CAPACITY

To meet continuing high demand for its innovative ELASTOPIPE™ offshore and marine fire safety prevention system, Trelleborg Offshore Norway AS has invested in increased production capacity. Output volume has been doubled by building a completely new factory and production line inside its existing premises at Krokstadelva, 50 km /30 miles south of Oslo, Norway.

The new 1200 sq.m /12,917 sq ft factory and production line are built to the highest efficiency, automation and safety standards improving output volume, product quality and reducing waste. The new facility took 18 months to build, and was opened in the presence of Trelleborg Group management, local politicians and dignitaries.

The proven advantages of ELASTOPIPE™ over conventional rigid steel pipes have already made it an established solution for seawater-based deluge and sprinkler systems due to its corrosion-free and fire resistant performance with lower installation costs and reduced maintenance. ELASTOPIPE™ achieves 24/7 system availability for seawater fire prevention duties with considerably less need to be offline for testing, and regular planned maintenance. This has a positive impact on safety, reducing down time and improving operating costs.

ELASTOPIPE™ offers significant weight advantages over steel. Its ease and speed of installation make it suitable for fixed and floating platforms, support vessels and onshore oil & gas installations.

For more information about ELASTOPIPE™ Flexible Piping systems contact Jan-Hugo Nilssen, Sales & Marketing Manager – ELASTOPIPE™, Trelleborg Offshore Norway AS, +47 32 23 22 73, E-mail: jan-hugo.nilssen@trelleborg.com and visit: www.clearlyflowassured.com.

1.e) EIVA RELEASES NAVICAT SOFTWARE FOR CATENARY SIMULATION

EIVA A/S has announced the release of NaviCat software featuring catenary simulations related to anchor handling tug operations through integration with EIVA NaviPac including 3D visualization option.

By utilising predefined cable, MLB and anchor libraries NaviCat makes creation, modification and display of catenaries extremely easy and intuitive. Each library allows for maintenance and extension by the user. During catenary simulation cable types, MLB's and anchors can be replaced / exchanged dynamically and the effect is displayed instantly to the user. Defined project files can be stored by the user for later re-use of specific set-ups.

Display of catenaries is supported by tools including a/o zooming, measurement, automatic arranging of catenary profiles, drag-and-drop and dock able windows. In NaviCat each catenary is illustrated as a profile along the catenary in a customisable 2D profile display. Visualisation of catenaries in 3D is handled through integration of NaviPac 3D visualisation module.

During catenary simulations a large number of parameters for the catenary can be displayed, such as TDP, tension and angle at fairlead, tension along catenary, total length, position of anchor and MLB's, estimated anchor position, display tension alarms along the catenary and much more.

NaviCat can operate in three modes, Manual, Calculation and Online mode. In Manual mode NaviCat is used as a planning tool where the impact of different set-ups is easily monitored and visualized. Calculation mode is used for estimation of anchor or TUG positions based on a specified tension or angle at the fairlead. In Online mode NaviCat integrates with NaviPac which provides positions and status information about the catenaries including 3D views.

For further information on the NaviCat software please contact Mr. Palle Herskind on Tel: +45 86282011 or Email ph@eiva.dk. www.eiva.dk.

1.f) EXPANSION OF GLOBAL NETWORK OF CHANNEL PARTNERS FOR WFS TECHNOLOGIES

WFS Technologies, a developer of through-water and through-ground wireless radio frequency (RF) technology for communication, navigation and power transfer announces expansion of the company's global presence with the recruitment of 4 new Channel Partners in Europe across the territories of Italy, Norway, Spain & Portugal and Benelux.

The new partners in the company's Energy & Environment business, include Nautilus Oceanica S.L covering Spain & Portugal (<http://www.nautilusoceanica.com/>), Seabed BV covering Benelux (<http://www.seabed.nl>), API srl covering Italy (<http://www.api-automation.it/>), and Lateral AS covering Norway (<http://www.lateral.no>). These new territory appointments will support WFS Technologies in expanding the reach of through-water and through-ground wireless RF technology across the globe by targeting applications in Environmental Monitoring, Oceanography and Hydrometry.

WFS's disruptive technology is revolutionising control and communications in underwater and underground environments. RF technology has the distinct advantage that it will operate in adverse water conditions, is unaffected by acoustic noise, is free from multipathing problems and that the Doppler effects are minimal. Critically, WFS's products support data transmission across the water/air and ground/air boundaries, penetrating the surf zone, ice, harbour walls, and typically impenetrable materials.

Through the new European channel partners WFS technology and products will benefit to customers in environmental consultancy and engineering, utility companies, government and scientific organisations.

For more information about WFS and its products, visit the company's website at: www.wfs-tech.com.

1.g) COUGAR OFFSHORE IN CANADA

Canada's offshore oil and gas industry has a powerful new resource. Pro-Dive Marine Services has taken delivery of the technologically advanced Cougar-XT remotely operated vehicle (ROV) from top manufacturer Saab Seaeye.

The power of the 2000 metre rated Cougar-XT means it can operate heavy duty tooling and handle a wide range of work tasks including drill support, salvage, survey and IRM, at a much lower cost than using an hydraulic work ROV.

Also different tooling options are easily added and changed, using the ROV's modular interface and bolt-on custom skids. Muscular tooling specified by Pro-Dive for their Cougar-XT includes a dual, five-function heavy duty manipulator. It is also fitted with three cameras including a Kongsberg colour zoom, all of which are mounted on a pan and tilt system.

When flying the ROV, pilots get unrivalled manoeuvrability from four vectored horizontal thrusters and two vertical thrusters, each having velocity feedback for precise control and built with new drive technology that has increased thrust by 70% – giving the Cougar the highest thrust-to-weight ratio in its class.

Each thruster is interfaced to a fast-acting control system and solid-state gyro for enhanced azimuth stability that gives greater control and response than any other ROV on the market, say Saab Seaeye.

The Cougar-XT is deployed from its tether management system (TMS), that itself is launched from an A-frame launch and recovery system (LARS), certified to Zone II specification and fitted with a snubber-rotator to stabilise and rotate the TMS for safe recovery in rough sea states.

The whole system comes with a Zone II certified control cabin and workshop cabin.

For more information please contact Dave Grant, Saab Seaeye Ltd on Tel: +44 (0)1489 898000 or Email dgrant@seaeye.com. www.seaeye.com.

1.h) SEAZONE SUPPORTS EMEC'S WAVE & TIDAL SITE DEVELOPMENTS

Detailed survey data from SeaZone is assisting the European Marine Energy Centre Ltd (EMEC) in expanding the services it offers. EMEC provides developers with the opportunity to test full scale grid connected prototype devices in unrivalled wave and tidal conditions.

EMEC purchased SeaZone's survey and bathymetry data tiles as part of their information-gathering exercise in extending facilities at their grid-connected sites and developing new scale test facilities. The availability of this data saves time and cost by reducing the need to commission survey work, and consequent dependence on weather conditions.

Linda Forbes, EMEC's Project Manager quotes "Having this detailed data readily available, supports the planning and development of EMEC's wave and tidal test facilities".

Digital Survey Bathymetry is an unprecedented solution to obtaining authoritatively sourced, quality controlled, detailed and accurate information of water depth, essential for a wide variety of applications including environmental modelling, site investigation and other forms of detailed analysis.

For further information please contact Alison Smith, Marketing Manager, SeaZone, on Tel: +44 (0) 870 013 0607 or Email: Alison.smith@SeaZone.com. www.SeaZone.com.

2. EVENT, TRAINING & DEMONSTRATION NEWS

2.a) HYDROGRAPHIC SOCIETY UK TO HOST COMMEMORATIVE LONDON EVENING, FRIDAY 25TH JUNE, LONDON, UK

The Hydrographic Society UK is to mark this year's World Hydrography Day and its own 25th anniversary with a commemorative evening reception (THS UK 25) on Friday 25 June aboard HQS Wellington moored on the Thames Embankment, London.

Beginning at 1630 and open to Society members, their partners and non-members alike, ceremonies will feature entertaining presentations by Dr Mark Horton, Reader in Archaeology at Bristol University and lead presenter of BBC TV's popular Coast programmes, and Ola Oskarsson, Managing Director of Marin Matteknik, Sweden. The celebratory evening also includes a drinks reception in HQS Wellington's model room with its priceless collection of antique model ships, followed by a later hot fork supper and opportunities to explore the historic World War 2 vessel which now serves as the Livery Hall of the Honourable Company of Master Mariners.

Co-sponsors of the prestigious event, which will be the only UK-based one to be held in conjunction with World Hydrography Day, include Gardline Hydro, IVS 3D and Seatronics. Wide-ranging options for additional sponsors are still available.

Tickets can be obtained for £60 per head from Helen Atkinson, The Hydrographic Society UK, PO Box 103, Plymouth PL4 7YP or Tel: +44 (0)1752 223512, Email: helen@ths.org.uk. A dedicated event website detailing additional information and further opportunities for sponsorship is at www.ths.org.uk/events.

2.b) AANDERAA JUNE TECHNOLOGY WORKSHOP FINAL PROGRAMME ANNOUNCED, 15TH – 18TH JUNE 2010, BERGEN, NORWAY

A full programme has now been released for the Aanderaa Data Instruments (AADI) workshop announced in OceanBuzz # 147. UK distributors, RS Aqua Ltd, inform us that the programme can now be viewed on their website at www.rsaqua.co.uk via either the "Latest News" or "Events" tags.

The workshop spans the period 15-18 June and the 20 or so presentations will be given by speakers from 6 different countries, offering a varied insight into technological advances in the field of ocean data collection.

Venued at the beautiful Bjørnefjorden guest centre, located some 30 minutes from Bergen city, the workshop also includes a social programme designed to allow participants to relax whilst networking with colleagues.

2.c) ATP OIL AND GAS TO DISCUSS MIRAGE AND TELEMAR FIELDS AT MTS HOUSTON LUNCH MAY 27TH 2010

On May 27 2010, the MTS Houston Section will host a luncheon presentation given by Robert Shivers III, Vice President Projects with ATP Oil and Gas on the Mirage and Telemark Field development in the Gulf of Mexico.

The Mirage & Telemark Fields are located in 4000 – 4500 ft of water in the Gulf of Mexico. The fields are relatively small, short lived oil fields with multiple pay zones. Factors driving development planning include:

- Lack of accessible nearby infrastructure
- Multiple pay horizons & short field life
- Limited availability of MODU's for pre-drilling
- Potential satellite tiebacks in the vicinity
- Parallel vs. sequential development of the nearby Telemark Field
- Functionality & Residual value in floating infrastructure

These fields have two to four pay zones in each well, so a dry tree concept was preferred. Because the floating platform design life is over 20 years versus an estimated field life of only just five to seven years, the development facilities need to be designed for convenient relocation to other deepwater fields in order to maximize residual value.

The MinDOC3 (Minimum Deepwater Operating Concept) hull was selected for field development because of flexibility, functionality and ability to fabricate in the US Gulf Coast. Hull construction required installation of the first graving dock for offshore construction in the US Gulf Coast.

The meeting is open to all professionals interested in oil and gas activities in the Gulf of Mexico. Reservations are requested and can be made through the website <http://www.mtshouston.org>.

2.d) THE PORT OF SAVANNAH TO HOST INTERNATIONAL PORT LEADERS

The Georgia Ports Authority (GPA), USA, will host the 2010 International Association of Ports and Harbors (IAPH) Mid-term Board Meeting June 7 – 9 in Savannah, Georgia. The previous biennial meeting was held in Dunkirk, France, hosted by the Port of Dunkirk Authority.

“It is an honor to bring this internationally renowned meeting to Savannah,” said GPA’s Executive Director Curtis J. Foltz. “The Port of Savannah is the fourth largest volume single-terminal containerport in the U.S. and a U.S. South Atlantic gateway for global commerce.”

The four-day board event includes technical and board meetings and port forum sessions. More than 100 delegates from around the world will be in attendance. The Port Forum Sessions is comprised of four sub-sessions including, “Transportation Forum: Trends and Economic Projections”, “Today’s Trends for U.S. Export/Imports: What’s on the Horizon?”, “Protecting Maritime Trade” and “Greening the Supply Chain”. The registration web site for the meeting is available at www.gaports.com/IAPH.

“The Port Forum session offers an invaluable and significant business experience, and attendees will have an opportunity to be updated on maritime topics around the U.S. and world ports.” said IAPH Secretary Genera Susumu Naruse. “In addition, the Georgia Ports Authority kindly provides diverse social programs, where you can network people in port and maritime industries from the other parts of the world.”

Located on the U.S. Eastern Seaboard, the Port of Savannah is an ideal backdrop for the meeting. Savannah has a rich history as a seaport dating back to its founding in 1733. The port supplied England with Georgia-grown crops including cotton and rice, and provided a thoroughfare for English merchandise sold to colonists. Today, it is home to the fourth largest volume container port in the U.S., which moved more than 2.4 million TEUs during 2009.

3. JOB POSTINGS

3.a) UTEC SURVEY REQUIRE SURVEY PROJECT MANAGER, TX, USA

UTEC Survey are looking for an experienced Survey Project Manager to join the team in Houston, Texas. Prior experience of deep water construction support using Long and Ultra-Short baseline acoustic systems is required.

UTEC offer a highly competitive salary and excellent benefits.

US work authorized individuals are preferred however relocation and immigration assistance may be considered for the right applicant.

Please submit resumes and covering letters to us.recruitment@utecsurvey.com.