

# oceanbuzz!

The weekly ocean technology e'Newsletter everyone's talking about

This FREE OF CHARGE newsletter is brought to you by the organisers of the Ocean Business event [www.oceanbusiness2007.com](http://www.oceanbusiness2007.com). This issue is long overdue but now fully back on track. Send us your news, job postings, info on events and we will help spread the word to the Ocean Technology industry. To add your colleagues to the Oceanbuzz circulation list simply email [info@intelligentexhibitions.com](mailto:info@intelligentexhibitions.com).

## INDEX

### 1. OCEAN BUSINESS 2007

- a) Ocean Business was Buzzing!
- b) Don't Take Our Word For It - Here Is What The Exhibitors Had To Say!

### 2. GENERAL OCEAN NEWS

- a) WHOI To Examine Arctic Changes From Under The Ice
- b) Vessels Available For Charter - Southampton, UK
- c) Sonardyne Makes New Move Into Motion Sensor Technology
- d) Pressure Test Facilities Available in the UK - North And South
- e) Fugro Survey wns a RoSPA Occupational Health and Safety Award
- f) Management Buy-out of Reson in South Africa
- g) Atlas Elektronik Has Selected The Triton Auv-Suite (tm) Software

### 3. TRAINING AND DEMONSTRATION NEWS

- a) GeoSwath Seminar to be held at Center For Coastal & Ocean Mapping, USA

### 4. EVENTS

- a) 40th MMF - Register Now.
- b) All-Energy 07 - Record breaking recipe for success

## 1.OCEAN BUSINESS 2007 NEWS

### 1.a) OCEAN BUSINESS WAS BUZZING!

The ocean technology industry can celebrate once more as there is an event that successfully combines business with a full series of social networking opportunities. Colleagues from 36 countries including Europe, Africa, Australia, the Russian Federation, South America, North America and Asia descended on the National Oceanography Centre, Southampton for 3 days of what can only be described as the best show in town!!

As exhibitors trooped into the halls on opening morning they were shortly followed by a wave of bustling trade visitors eager to get down to business. And that pace was maintained throughout the show, by the close of play more than 1500 attendees had visited Ocean Business which was met with cries of joy from exhibitors now exhausted and overwhelmed by the amount of business that had taken place during the show.

Among the visitors were colleagues from an amazing array of industry backgrounds including acousticians, systems engineers, senior surveyors, application engineers, technicians, diving supervisors, police divers, engineering directors, development directors, coastal scientists, research and development managers, technical directors, business development managers, hydrographic systems managers and other industry professionals.

They travelled from near and far - Australia, Azerbaijan, Belgium, Brazil, Canada, China, Germany, Denmark, Spain, Estonia, France, Greece, India, Ireland, Iceland, Italy, Japan, Korea, Latvia, Malaysia, Netherlands, Norway, New Zealand, Poland, Korea, Portugal, Russian Federation, Singapore, Slovenia, Sweden, Turkey, Taiwan, United States, South Africa, UK and United Arab Emirates.

But Ocean Business 2007 action was not limited to the halls. Attendees took full advantage of the hands-on demonstration opportunities. Opening morning saw queues of attendees as they quickly registered to attend the training and demonstration sessions - a draw that enabled both new entrants to the field and those more seasoned operators to take full advantage of over 150 hours of training and demonstration sessions. The dockside demo area overflowed - vessels were full to capacity and many classroom sessions sold out!

The Offshore Survey Conference that ran alongside attracted almost 100 delegates from 16 countries. John Westwood delivered a very positive key note address which reviewed prospects in the global energy industry. The current severe shortage of skilled personnel was addressed by Tim Jackson of BP and continued as the topic of conversation during most breaks. Initiatives to help raise awareness with students were debated with a number of ideas already being developed for the 2009 event.

The ever important networking side of the event kept delegates and exhibitors together throughout the week. Oxford Street was a mass with people and the Grapes Bar literally ran out of beer! As best summed up by Kevin Edwards from Valeport ' The buzz was back!'

Not only did the Ocean Business team welcome the Mayor of Southampton (who also serves as Admiral of the Port) but they also opened their doors to an array of press including BBC Breakfast reporter Robert Hall who interviewed a number of exhibitors for the unprecedented report on ocean technology which was broadcast throughout the UK and was also picked up by BBC worldwide!

Plans are already underway for Ocean Business 2009 which will take place at the National Oceanography Centre, Southampton once more from 31st March - 2nd April 2009.

### 1.b) DON'T TAKE OUR WORD FOR IT - HERE IS WHAT THE EXHIBITORS HAD TO SAY!

Excellent exhibiton, venue and organisation, achieving the intimacy and networking sometimes lost at the larger format exhibitions. Contacts and prospects as good as any exhibition, achieved within a reasonable cost.

***Peter Bennett, Hydrography Sales Manager, Kongsberg Maritime Ltd, UK***

Probably the best exhibition pound for pound in return I've ever experienced at a trade show. The often forgotten attention to the social side of the show was first rate.

***Roger Scrivens, Managing Director, RS Aqua, UK***

No matter what I say about there being too many conferences and Exhibitions ... from the quality of the folks that attended you obviously hit the mark, and we will certainly be back in 2009.

***Lindsay Gee, General Manager, IVS 3D, USA***

Ac-cess can confirm 2 ROV sales from the show and All Oceans can confirm significant interest in new build cars, TMS and winches. Excellent return for a new exhibition.

**Brian Abel, Managing Director, All Oceans / Ac-cess, UK**

We got more leads at this show that we have at any show in years.

**Rob Balloch, Strategic Development Director, Sonardyne International, UK**

It was by far the most cost effective show that Chelsea has exhibited at for many years and the format of training lectures and sea time was ideal. We will certainly re book for 2009.

**Richard Burt, Sales & Marketing Director, Chelsea Technologies Group, UK**

This was a very focused event - not to be missed. Reminiscent of days gone by with great social interaction meeting old friends and new faces alike.

**Andy Smerdon, Managing Director, Aquatec, UK**

A brilliant show for Atlantas, great venue, good visitors. We are convinced that we will get some substantial orders from this event and look forward to 2009.

**Ruth Foll, Commercial Director, Atlantas Marine, UK**

## 2. GENERAL OCEAN NEWS

### 2.a) WHOI TO EXAMINE ARCTIC CHANGES FROM UNDER THE ICE

Researchers from the Woods Hole Oceanographic Institution, USA are venturing this month to the North Pole to deploy instruments that will make year-round observations of the water beneath the Arctic ice cap. Scientists will investigate how the waters in the upper layers of the Arctic Ocean - which insulate surface ice from warmer, deeper waters - are changing from season to season and year to year as global climate fluctuates. The Arctic expedition is part of a multi-year institutional programme to establish a real-time, autonomous Arctic Observing Network. Two autonomous ice-based observatories between 88 and 90 degrees North will be anchored to the ice and will slowly drift with the natural movement of the ice while observing water properties in the top 800 metres of the Arctic Ocean. The buoys are designed to last three years, about the same lifespan as the ice floes that support them.

A key element to the observing systems is the ice-tethered profiler (ITP) that climbs up and down a mooring string each day, detecting the temperature, salinity and oxygen content at various points in the water column. The instrument sends data through the mooring wire to the surface buoy on the ice, which relays the data by satellite phone back to researchers in Woods Hole. That data is made available to the science community and public within hours via the internet.

After installing observatories in April 2007, WHOI researchers plan to deploy 11 more this summer in collaboration with scientists from the US, France, Germany, Japan, Russia and Canada. [www.whoi.edu](http://www.whoi.edu)

### 2.b) VESSELS AVAILABLE FOR CHARTER - SOUTHAMPTON, UK

Looking for a vessel to charter? The National Oceanography Centre's RV Callista and the Bill Conway vessels are available for charter on a daily basis. Where else can you combine the charter of vessels with the rental of an onsite classroom space and affordable but excellent catering facilities? For further details regarding rates and availability of the vessels contact Gary Fisher [gjf@noc.soton.ac.uk](mailto:gjf@noc.soton.ac.uk). For details on renting fully equipped classrooms contact Keith Birch at [kjb@noc.soton.ac.uk](mailto:kjb@noc.soton.ac.uk). The web pages show technical details of the full range of the vessel within the NOCS small boat fleet <http://www.noc.soton.ac.uk/soes/resources/boats/>

### 2.c) SONARDYNE MAKES NEW MOVE INTO MOTION SENSOR TECHNOLOGY

Sonardyne International Ltd., UK has announced the launch of its new Lodestar marine Attitude Heading and Reference System (AHRS). Making its worldwide debut at the Ocean Business exhibition in Southampton, Lodestar has been developed to overcome the problems associated with conventional sensor platforms and is said to set a new standard of inertial sensor technology for a wide range of motion compensation, vessel and subsea vehicle navigation applications.

The new Lodestar AHRS is a natural extension of the Sonardyne product range and has been developed for seamless integration with the company's widely used LBL (Long BaseLine) and USBL (Ultra-Short BaseLine) acoustic positioning systems. It will also be welcomed by users with a requirement for motion compensation to support operations in any sea conditions. These are likely to include platform stabilisation, dynamic positioning, buoy monitoring, subsea construction and towfish and ROV/AUV operations. Available in surface or subsea configurations rated up to 7,000 metres, Lodestar is a solid state AHRS incorporating six sensing elements, three ring laser gyros (RLG) and three linear accelerometers.

The unit has been designed to include features that have been identified as offering valuable benefits to users. These include: 4GB of internal memory, internal power from a back-up battery, an ethernet interface to provide fast update rates and multiple output strings that make it suitable for a wide range of applications. The introduction of Lodestar is likely to mark a significant opportunity for Sonardyne as it enables them to move into new markets and continue the steady growth of the company. [www.sonardyne.com](http://www.sonardyne.com)

#### **2.d) PRESSURE TEST FACILITIES AVAILABLE - NORTH AND SOUTH**

During the recent Ocean Business event, many visitors expressed interest in the pressure test capability which is available, at the National Oceanography Centre, Southampton in support of commercial projects. This 10,000 psi rated tank (equivalent to an ocean depth 6000m) and other smaller tank details can be found on web page [http://www.noc.soton.ac.uk/nmf/usl\\_index.php?page=pt](http://www.noc.soton.ac.uk/nmf/usl_index.php?page=pt) The contact point for further details, bookings etc should be to Andy Staszkiwicz email [arst@soc.soton.ac.uk](mailto:arst@soc.soton.ac.uk)

Meanwhile, the National Hyperbaric Centre has installed an 800 bar pressure test vessel creating what is understood to be the deepest commercial subsea testing facility in the country. 'Our pressure testing facilities are already extensive' said Managing Director, David Smith, 'but we have recently been asked for deeper testing equipment in the region of 4,500m. Our aim is to develop the National Hyperbaric Centre to be the leading pressure testing facility for underwater equipment and as we are customer led, it was a priority to respond to the demand. Although this is designed primarily for electronic housings and camera testing we are also looking at larger vessels to test some of the deeper subsea control modules.' Ultimately, the National Hyperbaric Centre is planning to expand its facilities to include a deep testing chamber, similar to their current 100 bar chamber which accommodates equipment to a maximum 8m length. To inquire about our range of testing facilities please contact the National Hyperbaric Centre on t: +44 (0)1224 698 895. Further information can also be found on w: [www.nationalhyperbariccentre.com](http://www.nationalhyperbariccentre.com)

#### **2.e) FUGRO SURVEY WINS THE RoSPA OCCUPATIONAL HEALTH AND SAFETY AWARDS**

Fugro Survey Limited has won one of the most prestigious RoSPA Occupational Health and Safety Awards for 2007. David Rawlins, RoSPA Awards Manager, said "Fugro Survey Limited has demonstrated how seriously it takes health and safety management and is a fine example to many other companies. We would like to see more organisations following its lead".

Ali Sutherland, Fugro Survey Limited's QHSE Manager said: "Receiving a Gold Award for ten consecutive years resulting in the President's Award is a great honour for the company and is testament to the hard work and attitude displayed by all members of staff when it comes to health and safety. Nothing is more important than the health and safety of our employees". The RoSPA awards are not just about reducing the number of accidents and cases of ill-health at work; they help to ensure that organisations have good health and safety management systems in place. Entering the awards scheme reinforces the message that good health and safety is good business and clearly demonstrates an organisation's commitment to the achievement of high levels of performance in this crucial area. Email Chris Mott for more info [infoabz@fugro.com](mailto:infoabz@fugro.com)  
[www.fugrosurvey.co.uk](http://www.fugrosurvey.co.uk)

#### **2.f) MANAGEMENT BUY-OUT OF RESON SA (PTY) LTD IN SOUTH AFRICA**

As of March 19, 2007, Mr. Ephan Potgieter has acquired all shares of RESON SA (Pty) Ltd. in South Africa. The company has changed its name to Underwater Surveys (Pty) Ltd.

RESON SA (Pty) Ltd. was established in 2001 as a subsidiary of RESON A/S with Ephan Potgieter as the local Director based in Cape Town. The company was responsible for sales of RESON products in Sub-Saharan Africa, and has been the preferred supplier for a number of key accounts in the region.

The many years of brilliant collaboration will continue as Ephan and the former RESON SA (Pty) Ltd.'s South African staff will continue to support the company. Underwater Surveys (Pty) Ltd. will be RESON's agent in South Africa. In addition to sales and service of RESON products, Underwater Surveys (Pty) Ltd. will represent a number of key product manufacturers and will offer rental of survey equipment, provision of on the job survey training, Capacity building within the African region and specialized survey services.

#### **2.g) ATLAS ELEKTRONIK HAS SELECTED THE TRITON AUV-SUITE (tm) SOFTWARE**

ATLAS Elektronik has selected the Triton AUV-Suite™ software for use with their SeaOtter MkII autonomous underwater vehicle demonstrator. The MkII is an advanced version of the SeaOtter Maridan AUV designed for military applications such as mine detection and countermeasures, covert intelligence, surveillance and reconnaissance, and rapid environmental assessment.

The Triton AUV-Suite, purchased through Triton Imaging's agent in Germany, J. Bornhoeft Industriegeraete GmbH, will be used for post-mission analysis of the commercial sensor suite such as multibeam, sidescan, and in some configurations, sub-bottom profiler. The Triton AUV-Suite, which has been recommended by the U.S. COMINWARCOM for use on "any shipboard U.S. UUV system," includes a broad range of applications for the display, processing, and interpretation of sonar data collected from AUV platforms. This software provides a proven COTS solution into which advanced processing technologies such as CAD/CAC, SAS, and change detection are easily integrated. [www.tritonimaginginc.com](http://www.tritonimaginginc.com)

### 3. TRAINING AND DEMONSTRATION NEWS

#### 3.a) GEOSWATH SEMINAR TO BE HELD AT CENTER FOR COASTAL & OCEAN MAPPING, USA

GeoAcoustics Ltd. (Great Yarmouth, UK) will run a one-day seminar on the GeoSwath swath bathymetry sonar on Thursday May 24th 2007 at the Center for Coastal & Ocean Mapping - Joint Hydrographic Center (CCOM/JHC), University of New Hampshire.

The GeoSwath is a phase measuring bathymetric sonar (PMBS), or interferometer, designed to collect co-registered side-scan and bathymetry data from small vessels of opportunity in shallow waters, with swath widths up to 12 times water depth. Since its launch in 2003, the GeoSwath Plus has been deployed for navigational charting, engineering and habitat mapping surveys worldwide.

This Seminar will be chaired by Dr. Tom Hiller, Advanced Products Manager at GeoAcoustics Ltd. Talks will cover an introduction to the GeoSwath technology and survey practice, and guest speakers from USACE and SAIC will be describing their experiences using the GeoSwath. A session will also cover recent GeoSwath deployments on Remotely Operated Vehicles (ROVs) and Autonomous Underwater Vehicles (AUVs).

All are welcome to attend the seminar - pre-registration is required prior to May 18th. For more info [www.geoacoustics.com](http://www.geoacoustics.com) or call Keith Vickery in the U.S. GeoAcoustics office at +1 281-894-5570.

### 4. EVENTS

#### 4.a) 40th MMF - REGISTER NOW

The 40th MMF will be hosted by Fugro GEOS and held at the Shillingford Bridge Hotel (near Wallingford), Oxfordshire, UK on 16 May 2007. Registration information is available from Maria Silva at Fugro GEOS, cost of attendance is £37.50 (+VAT) per person. Contact [m.silva@geos.com](mailto:m.silva@geos.com)

#### 4.b) ALL-ENERGY '07 A RECORD-BREAKING RECIPE FOR SUCCESS

Take conference sessions on every form of renewable energy source and the challenges and opportunities facing the industry; mix liberally with a major exhibition reflecting activity in this rapidly expanding industry; and add in networking opportunities in plenty and you have the recipe for All-Energy '07, the UK's largest renewable energy exhibition and conference held every May in Aberdeen.

This year is the seventh – and largest - in the annual series being held 23-24 May at Aberdeen Exhibition and Conference Centre is a true 'milestone event'. There are well over 300 exhibiting companies from home and overseas and a conference programme involving over 180 speakers; and there is every expectation that the 2006 record of 2850 participants will be comfortably passed. Nothing could mirror better the growth of business interest globally in renewable energy, brought about by the well publicised mixture of concerns over climate change; security of supply and need for indigenous power.

Admission to the exhibition, conference and Giant Networking Evening is free of charge to all with a professional interest in renewable energy [www.all-energy.co.uk](http://www.all-energy.co.uk) and [info@all-energy.co.uk](mailto:info@all-energy.co.uk)

If you wish to be removed from this e-newsletter simply respond with 'REMOVE from Oceanbuzz' in the subject line.

Legal disclaimer: Intelligent Exhibitions Ltd does not accept responsibility for the accuracy of any items printed in Oceanbuzz or for the opinions expressed in such items. The copyright of the newsletter is retained by the author(s) unless stated. No part of this publication may be copied without the prior permission of Intelligent Exhibitions Ltd. For more information contact: Intelligent Exhibitions Ltd, Ilex House, Lower Newmarket Road, Nailsworth, GLOS, GL6 0RW, UK