

Meet the Hydro International Team at Oceanology International (G-P)

In the third week of March, the entire marine world will be gathering in London, as this is where the biannual Oceanology International event is taking place. The exhibition and the conference bring together technological and scientific developments. With over 550 exhibitors and a state of the art conference programme OI12 is definitely the place to be. OI12 will be held from 13 to 15 March at the ExCel Exhibition and Conference Centre in London's Docklands. The organisers are expecting at least 7,000 visitors to attend. Hydro international will of course be present. We not only have a stand (No. A325), but we will also have a team present at the exhibition and conference. Furthermore, our team will be publishing the OI Show Daily on Tuesday, Wednesday and Thursday. We will be at OI to serve all your needs, as Oceanology offers us the perfect opportunity to talk face to face with our readers and advertisers, certainly a welcome thing in this digital age! Our team at OI will be comprised of: Durk Haarsma (publishing director), Meine van der Bijl (financial director), Victor van Essen (sales manager), Wim van Wegen (editorial manager), Mark Pronk (technical editor), Joost Boers (content manager) and Trea Fledderus (marketing assistant). We look forward to meeting you to discuss our editorial opportunities and interesting advertising options. Visit our stand to share your comments and suggestions with us. See you in London!

[OI 2012 Preview A-F](#) - [OI 2012 Preview R-Y](#)

GEM Elettronica

GEM Elettronica is exhibiting at OI for the first time with its Polaris fibre optic gyrocompasses FOG-100 and FOG-200. These highly accurate AHRS (attitude and heading reference system) sensors, designed and produced entirely by GEM Elettronica, are being used in a number of roles such as in hydrographic survey vessels where roll, pitch and heave corrections need to be applied to MBES (multi-beam echo sounder) readings. GEM Elettronica, a privately-owned company situated in central Italy, also produces radar and other electronic systems for ship navigation.

www.gemrad.com

Stand number: M650B

GEMS

GEMS is pleased to announce the recent formation of GEMS Marine, a division of GEMS International Group of Companies. The purpose of GEMS Marine is to provide centralised management of the company's vessels and assets.

The Division is based at GEMS' head office in Darlington in the North East of the UK and runs a maintenance and logistics facility at its quayside Marine Base in Middlesbrough.

Core to the division's service and support to business operations is:

- Vessel management of the companies' owned and chartered vessels
- Asset management of the companies' owned assets and 3rd party supplied equipment
- Project management of specific internal projects, i.e. mobilisations, dry docking, equipment fielding and modifications

In establishing GEMS Marine, GEMS is further reinforcing a culture and approach to achieving consistency, efficiency and best practise in its business operations. Recent examples include a safe and successfully executed mobilisation of AMR 600 heave compensated drill rig on to the DP2 PSV Highland Eagle which is on long-term charter to GEMS, as well as two intensive special survey dry dockings of two of the company's fleet.

www.gems-group.com

Stand number: K400

Geo Plus

With pride Geo Plus is introducing her newest flagship of the fleet, the *Geo Focus*. Our 7th multipurpose survey vessel will be available from mid May 2012. This new 35m survey and ROV support vessel is built under Lloyds' regulations. Due to diesel/electric propulsion, the *Geo Focus* gets a Green Passport. Sailing in hybrid mode, the vessel reaches a maximum speed of 9 knots (diesel: 18 knots), which results in a fuel saving of approximately 75%.

The *Geo Focus* (DP-1 class) is fully equipped with, among other, the newest multi-beam echo sounder Kongsberg EM2040 (hull-mounted transducers) and a retractable HiPap 501 for USBL-positioning. Furthermore, the survey room has a panorama view of the deck and its environment. On board, high standard accommodation for 18 persons is provided. The vessel is designed to operate worldwide in both tropical and arctic circumstances.

www.geoplus.nl

Stand number: H555

Geomarine

Geomarine Ltd is a subsea geotechnical specialist providing a range of ROV deployed geotechnical survey tools and engineering services. Geomarine will be demonstrating one of their unique "geoROV" CPT systems. This tool turns almost any ROV of opportunity into a geotechnical testing vehicle. See attached photograph. In its short history, the geoROV has already developed a strong following and track record. Geomarine will also be sharing recent experiences with 'ROVDrill' sea floor drilling machines and showcasing their engineering software and services capability.

www.geomarine.co.uk

Stand number: A315

Geometrics

Geometrics, a world-leading manufacturer of rugged, innovative, and easy-to-use geophysical instruments, recently entered into a joint venture with P-Cable Seismic of Oslo, Norway to create an ultra high-resolution 3D seismic system for marine subsurface exploration. Based on the Geometrics GeoEel Solid streamer, the P-Cable system provides exceptional results at relatively low cost. Last December, the P-Cable system was used to map the Shoreline Fault off the coast of California to evaluate the safety of the Diablo Canyon nuclear power plant prior to the renewal of the plant's operating licences.

www.geometrics.com

Stand number: C250

G Travel

G Travel is an innovative and modern travel agency specialising in maritime and offshore travel. Our employees consist of experienced travel consultants with extensive knowledge of the airline and travel industry and are familiar in handling complex and time sensitive operations.

We are a fast growing company and are constantly monitoring and keeping our focus on the service quality in all areas of our operations on a 24/7 basis. Our global network consists of offices in Norway, UK, Brazil, Philippines, Singapore and China. At G Travel we are always trying to raise our standards and 'setting new goals' in customer service. Let us help your business find a new way!

www.gtravel.no

Stand number: N345

Hemisphere GPS

As the world leader in GNSS compass technology, Hemisphere GPS will be featuring its all-new line of Vector Series GNSS compasses. Hemisphere GPS will introduce: V103 all-in-one GPS compass for commercial marine applications; VS131 professional compass and H320 dual-frequency OEM module for professional heading and positioning. In addition, Hemisphere GPS will be featuring its complete portfolio of GNSS antennas, receivers and OEM modules. Visit us at OI to see the latest in marine technology.

www.hemispheregps.com

Stand number: I500

Horizon

We are proud to be exhibiting at Oceanology 2012 and look forward to welcoming you at stand N700. Horizon is continually expanding our portfolio of specialist services and geographical representation in order to provide our clients with comprehensive turnkey survey and geotechnical solutions.

Horizon's emphasis is on providing a superior service coupled with continual innovation and quality deliverables to surpass our client's expectations.

We are fully committed to operating and maintaining a safe and environmentally friendly working atmosphere as defined by international HSE and QA standards.

www.horizonsurvey.ae

Stand number: N700

Hydrographic Society UK

An official supporter of OI12, the Hydrographic Society UK represents its parent organisation, the International Federation of Hydrographic Societies (IFHS) comprising other member organisations in Australasia, Benelux, Denmark, Germany and Italy. On display will be extensive ranges of literature available for individuals, institutes and companies with an interest in hydrographic surveying and associated disciplines. Also available are full details on Hydro12, the IFHS's 17th European conference in Rotterdam from 13-15 November. Organised by Hydrographic Society Benelux, proceedings will also feature a major exhibition of equipment and services in addition to practical demonstrations and technical workshops.

www.ths.org.uk

Stand number: H720

Hydro-Lek

On stand M100 at OI 2012, Hydro-Lek will be showcasing their new range of work class manipulators – the 5 function HLK 40400 and the 7 function HLK 40500R. These complementary hydraulic arms have been designed for applications which require simplicity, strength and low cost. Hydro-Lek will also be showing HLK 14000 series of new compact hydraulic cylinders which have been designed to be extremely lightweight, compact and highly versatile. Manufactured out of hard anodised aluminium, the cylinders are ideally suited for subsea applications where weight and durability are of paramount importance.

www.hydro-lek.com

Stand number: M100

IDRONAUT

IDRONAUT presents at OI2012 the Ocean Seven 305Plus CTD provided with:

- Lightweight POM shock-resistant 200 bar housing (Ø 75mm, 3.3kg).
- Two titanium wet-pluggable bulkhead connectors MCBH (WB) 6 MP T W/12". Internal NiMH rechargeable battery pack with 60 hours of continuous CTD data acquisition.
- Big double o-rings on covers to avoid any trapped wire possibility.
- Long-distance telemetry on coaxial cable (2000m), RS232C (200m) and RS422 (1000m) interfaces.
- Wireless Bluetooth ON/OFF triggered by conductivity.
- Non-volatile data memory: up to 8.000.000 data sets.
- Very high pH input impedance: $10^{13} \div 10^{14}$ ohm.
- Conductivity and Temperature preamplifiers with negligible temperature drift over the years because of the very advanced ICs and 3ppm reference resistors.
- Conductivity software selectable measuring range: 0..70mS/cm and 0..7000 µs/cm.
- Installation of bulkhead three-channel Fluorometer and Turbidity meter.

Stand number: S600

Ifremer

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Ifremer, the French research institute for exploitation of the sea, will be exhibiting again at the Oceanology International in the French Pavilion.

This year, we shall be presenting Ifremer's:

- deep-sea and coastal research vessels, deep-sea vehicles (ROV, AUVs,...) and underwater equipment available for surveys, as well as tools developed for underwater systems,
- activities in the offshore sector and environmental monitoring,
- testing facilities (in the framework of EU-funded programme MaRINET, Marine Renewables Infrastructures Network for Emerging Energy Technologies),
- software available for sale, including two new products: CHARLIE, a seafloor mapping software, and MIMOSA2, a mission management software for subsea autonomous vehicle.

This year, Oceanology will host *Haliotis*, Ifremer's recent oceanographic launch, length 10 metres, dedicated to acoustic imagery/bathymetry. This vessel is specially designed to map the nature and morphology of the seabed in very shallow waters (water depth between 1 and 20 metres). Thanks to a semi-articulated truck equipped with a mounted crane, it is easy to deploy *Haliotis* everywhere (sea, estuary, lake, river). The vessel will be alongside ExCel for the 3 days and will carry out demonstrations. For visits and demonstrations of *Haliotis* book at the Ifremer stand.

www.ifremer.fr

Stand number: A300

IMarEST

Careers at Oceanology International

On Thursday 15 March, Oceanology International will be welcoming students, graduates and postgraduates to Careers day at the show. In recognition of the commitment of these early career marine professionals and their imminent entry to the Marine Industry in the current challenging economic climate, Reed Exhibitions are hosting a careers orientated session and networking sponsored by the Institute of Marine Engineering, Science & Technology (IMarEST) and the International Marine Contractors Association (IMCA). This session will aim to promote the array of career paths open in the industry; the value of belonging to a professional membership body such as IMarEST in the crucial early career stages and to provide an insight to working in industry from real-life experiences of early career Marine Professionals. Further details are available from the IMarEST stand.

www.imarest.org

Stand number: M655

Instrument Concepts

Simplify your broadband acoustic listening with the icListen HF, debuting at Oceanology 2012. The icListen HF is a compact all-in-one smart hydrophone with a bandwidth of 10-200,000Hz with 24-bit resolution. No additional hardware, software or technical expertise required. Plug it into your computer and get calibrated waveforms, spectral, or event data. This smart hydrophone contains 32GB of storage and can be used as a stand-alone data logger and/or streaming digital hydrophone. Use an external battery for extended projects. Come see us at Atlantic Canada Booth F300 or speak with our U.K Distributor Planet Ocean at booth J500.

Stand number: F300/J500.

ISE

ISE Ltd. was formed in 1974 to design and build underwater vehicles for commercial, scientific and defence applications. Since then we have delivered more than 230 systems to more than 20 countries around the world. Our current range of products includes the HYSUB class of ROVs, the EXPLORER family of AUVs, plus the DORADO semi-submersible and AURORA towfish. We also build manned submersibles for scientific, personal or commercial operations and robotic manipulators.

Since our inception, ISE vehicles have set many records and 'firsts'. We have won many awards and been recognised for our technical and commercial successes. We are based just outside Vancouver in beautiful British Columbia, Canada.

www.ise.bc.ca

Stand number: P300

ITIC

ITIC is the world's leading specialist professional indemnity insurer for companies who provide services to the hydrographic and offshore industry. ITIC has wide experience in assisting assureds by minimising the financial impact arising from mistakes such as errors in data sets and producing charts without the correct information. Throughout Oceanology, ITIC will be hosting a car racing event, come visit us at stand M555 for your chance to win a prize. We also look forward to meeting you at our drinks event on Wednesday 14 March at 5:00 pm.

www.itic-insure.com

Stand number: M555

Kongsberg

Kongsberg Maritime will focus on the core product areas of underwater sensors, positioning and remote and autonomous vehicles at Oceanology. The leading subsea technology company will also present how these systems will form the foundation of a sophisticated new Integrated Environmental Monitoring System it is developing for Statoil with partners IBM, DNV and Kongsberg Oil & Gas Technologies.

Outside ExCeL, the multi-purpose vessel *Geo Motion* will be running Kongsberg Maritime equipment demos from the Royal Docks. Systems on board include the Kongsberg EM 2040 0.4 by 0.7 degree Dual Rx Multi-beam, Kongsberg Seafloor Information System (SIS) – real-time operator software, Kongsberg EA 440 Single Beam Echo Sounder with combined side-scan and the Kongsberg Seatex Seapath 330+ positioning, heading and attitude sensor. Spaces on board are limited so visitors are invited to select a time slot through the booking system on Kongsberg Maritime's stand.

www.kongsberg.com

Stand number: E600

L-3 Klein

L-3 Klein Associates is excited to announce the launch of the all-new UUV-3500 Side-Scan Sonar (SSS) for all Unmanned Underwater Vehicles at Oceanology International 2012. The UUV-3500 is a true gamechanger for UUV SSS, effectively doubling traditional range scales while maintaining the highest possible resolution. Klein will also be debuting the extremely portable and powerful new HydroScan Search and Recovery (SAR) SSS. The HydroScan is the most powerful dual frequency (455/900kHz, simultaneous) shallow-water SSS available. Also on display will be the ground-breaking HydroChart 5000 Bathymetry System complete with Multi-beam SSS and the famed Klein 5000 v2 Multi-beam SSS.

www.l-3klein.com

Stand number: G500

Marine Electronics

Marine Electronics Limited will be introducing an advanced new tool for hydrographic surveyors at Oceanology with the launch of its WideView 3D interferometric side-scan sonar. This compact new system provides cutting edge technology that will prove invaluable to surveyors using AUVs, towfish and surface remote controlled vehicles to obtain precise bathymetric data in difficult shallow-water conditions. 3D interferometry is at the forefront of sonar technology and has the potential to offer significant operational cost savings by obtaining a wide swath of data in a single pass. This is particularly valuable for potentially dangerous shallow-water inshore surveys where accurate data can be difficult and slow to obtain. It also offers benefits to users working in locations where a restricted weather window may limit the survey time available and demand the use of a faster data collection method.

www.marine-electronics.co.uk

Stand number: E525

Marine Sampling Holland

Marine Sampling Holland is a worldwide operating company specialised in geotechnical and environmental site investigation and advice. It has a wide range of drilling and sampling equipment and a Mini-CPT with maximum 12 m penetration below sea bed available. The combined geo-technical and geological knowledge of MSH, together with state of the art equipment makes MSH the right partner for investigations in a wide range of offshore projects.

www.marinesamplingholland.nl

Stand number: G600

MARIS

MARIS is a partner in the EU funded Geo-Seas project developing online services for discovery and access to marine and ocean geological and geophysical data sets. In addition, new associated services are being developed for virtual browsing and viewing of distributed data sets, in particular seismic surveys and lithological logs. In order to raise awareness of these tools and services and also to obtain feedback for their fine-tuning from potential users, Geo-Seas is organising a User Workshop during OI2012 on Wednesday, 14 March 2012 from 1:30 to 5:00 pm at the Excel centre.

Users interested in attending are invited to fill in the contact form at www.geo-seas.eu and to attend the Workshop.

www.maris.nl

Stand number: G600

Maritech Consultants

Maritech Consultants Ltd was established in 1989 to provide high quality geophysical and survey consultancy services to the offshore oil, gas and civil engineering industries worldwide. Since then, Maritech has been a leading provider of professional consultants to the wider offshore survey industry having provided personnel to support assignments for major oil, construction and survey companies in more than 30 countries. This spread of experience includes operations in Europe, West Africa, North and South America, the Middle East, Southeast Asia and Australasia. Come and visit us on stand D720 and demonstrate your skills on a Maritech collector's edition Yo-Yo.

www.maritech.co.uk

Stand number: D720

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MCS

MCS is a leader in the areas of underwater inspection data acquisition and management services for the oil and gas companies. MCS has been involved in many projects and has developed software solutions covering the following areas:

- ROV Pipeline inspection surveys.
- As-laid/ As-built inspection surveys.
- ROV Platform inspection surveys.
- Web-based Geographical information systems implementation for offshore operating companies.
- Drilling Data Management for drilling operations.

We take over turnkey data processing jobs in pipeline and platform inspection data acquisition and management projects, achieving an extensive track-record in the market surveying over 15,500km of pipeline and more than 400 subsea structures.

We supply the software, hardware and our highly qualified personnel handle all the data acquisition, processing and reporting tasks.

www.mcsoil.com

Stand number: J655

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MTCS

MTCS Ltd, delivers a range of experienced and professional, industry-leading training courses to the subsea industry. All delegates are trained in the use of underwater technology, to meet the demands of the offshore industry - whether it is in oil & gas, or the renewables industry.

MTCS Ltd is also a recognised and accredited certifying body for Personnel Competence within the ROV Industry and it is with this in mind that MTCS will be talking to visitors to their stand (number S500), about the safety issues surrounding the offshore industry.

Visitors will find out how they go about getting competence certification and can discuss which training method is most appropriate for them. The MTCS Ltd competence programme is very flexible, where candidates can be assessed in their workplace using distance learning methods, whether it be through the internet or the office intranet.

www.mtcs.info

Stand number: S500

Nautilus Marine Service

Nautilus Marine Service has gained international reputation by its VITROVEX high quality glass pressure housings along with associated

services and accessories. Different sizes of glass spheres and even cylinders provide high-pressure flotation and instrument housings options to meet design requirements up to full ocean depth. In addition to the well-known spheres with 13-inch and 17-inch diameter a 10-inch sphere that can withstand pressure at 6,000m has now become available.

The use of glass spheres in ocean research is attractive in many ways. Glass qualities such as the immense strength–weight ratio, corrosion resistance, and low cost make glass spheres ideal for both flotation and instrument housings. The high-quality VITROVEX glass may even have been polished for high-resolution digital cameras or sensors utilising light.

www.nautilus-gmbh.com

Stand number: H300

No Limit Ships

No Limit Ships has operated in the market since 1996 building workboats up to 35 metres. For the last ten years the yard designs, builds and delivers purpose-designed vessels for hydrographic survey. They are semi-custom built and recognised for their superior performance and capabilities, they are proven to be highly efficient and cost-saving. The No Limit vessels are used worldwide by dredging and pipe-laying companies, port-authorities, government bodies and private (hydrographic) survey companies.

The No Limit concept is characterised by a high level of safety, substantial seaworthiness thanks to the hull shape, limited rolling owing to the tube, high stability because of the low centre of gravity, protectively positioned rudders and propellers, outstanding manoeuvrability and highly representative. They have a large sailing area due to the shallow draft. The vessels are built under various classifications, including Lloyds.

www.nolimitships.nl

Stand number: G600

Norcom Technology

Norcom Technology, a Norwich (UK) based company specialising in marine navigation software, celebrated its 25th Birthday on 9 December 2011.

Norcom provides systems to companies working in the oil and gas industry as well as the offshore renewable energy market and is currently working on a project monitoring anchor catenaries on a barge laying a 48" gas pipeline in the Baltic from Russia to Germany.

Norcom works closely with International Hydrographic Offices and other organisations to provide up to date electronic navigational information including, charts, wrecks, pipelines and subsea cables.

Over the years Norcom has been involved in projects such as positioning the Second Severn River Crossing, laying subsea telephone cables, installing offshore wind farms, moving oil rigs, laying pipelines, hydrographic surveys and controlling remote operated vehicles (ROVs).

www.norcom-technology.co.uk

Stand number: A335

Nortek BV

Nortek is a scientific instrumentation company that develops and distributes acoustic doppler current profilers (ADCP) and water velocity instruments. Our products are based on the acoustic Doppler principle and span from single point turbulence sensors to long range current profilers. The instruments are sold globally with a worldwide support. We install instruments and perform measurement campaigns of currents, waves and water quality. For dredging projects, we provide data buoys. Our customers are scientists, research institutions, and consulting engineers, all with demanding applications requiring state of the art instrumentation that is reliable and easy to use. Visit our booth at the Dutch Ocean Group combined stand G600 and learn about new deep water instruments and special system integration for sensors.

www.nortek-bv.nl

Stand number: G600

Nortek UK

Nortek have launched a Scour Monitor for offshore wind farms, jack-up rigs, jetty walls and underwater pier foundations.

The instrument comprises four downward looking narrow acoustic beams, which continuously monitor the seabed profile. User selectable, time series datasets are collected and recorded internally and/or can be output in real-time, using RS 232 or RS 422 formats.

The four beams fan out in a single axial plane, normally orientated perpendicular to the face of the structure. Changes in seabed levels adjacent to the structure are measured and can be relayed back from the field in real-time. Scour and subsequent refill events which might happen during storm periods, can thus be identified and fully quantified.

The Nortek Scour Monitor is manufactured in two frequencies 2MHz and 1MHz, offering vertical ranges of 10m and 30m respectively. Depending on beam slant angle, the measurement accuracy of these instruments is around 20cm.

www.nortek-as.com

Stand number: K20

Novacavi

Novacavi is an independent privately owned company with more than 35 years of experience in designing and manufacturing special cables that 15 years ago decided to focus also on subsea.

On our stand at Oceanology International 2012 we will be particularly featuring armoured, coaxial, fibre optic underwater cables, instrumentation and composite underwater cables, neutrally buoyant cables, ROV and umbilical cables, geomatics cables and specially designed underwater cables even for small scale production.

We will be also pleased to explain how we develop, manufacture prototypes, test them and finally deliver the right cable in the right quantity suiting each customer's requirements.

www.novacavi.it

Stand number: D530

National Physical Laboratory

NPL provides standards for underwater acoustics, and offers services that include testing of sonars, transducers and hydrophones in laboratory tanks, acoustic pressure vessel and open water test facility located on reservoir. NPL also provides training in underwater acoustic calibration and testing. NPL also offers a service for the assessment of the impact of underwater noise, providing the acoustics expertise required to satisfy requirements of regulators. Services include in-situ measurement of noise, noise prediction and mapping, and the evaluation of the impact on marine life.

www.npl.co.uk

Stand number: L555

N-Sea Survey

N- Sea Survey BV is an international contractor specialised in asset integrity management by conducting and reporting high-resolution geophysical and geotechnical surveys.

Our skilled personnel and modern fleet is capable of delivering a comprehensive range of survey activities including high accuracy positioning, pipeline route surveys and seabed mapping. Also subsea activities such as pipeline/cable inspections, construction support, ROV based IMR and unique subsea intervention solutions belong to the package of N-Sea Survey activities.

N-Sea owns and operates a large range of mobile assets, which include diving systems, ROVs and ROTVs and other survey equipment.

All projects are undertaken following our group philosophy of maximising the value to our client by being safe, sound and swift.

www.noordhoek.net

Stand number: H600

Observer Instruments

Observer Instruments BV is a Dutch company dedicated to the measurement of hydrological and meteorological parameters. We provide our customers with complete measurement solutions, ranging from a simple sensor to a complete system containing multiple sensors at multiple locations with telemetry, autonomous power supply and advanced visualisation software. Observer's popular OMC-7006 data buoy is often used by dredging companies all over the world to monitor conductivity, turbidity, pH and more. The buoy is solar powered and contains a data logger with integrated GPRS modem. Its bigger brother, the OMC-7012, will be available in the third quarter of 2012.

www.observer.com

Stand number: I655

Ocean Business

Ocean Business is an international ocean technology exhibition and training forum expecting to attract 4000+ visitors from over 50 countries. Held at the National Oceanography Centre, Southampton from 9 - 11 April 2013. An exhibition of over 300 companies representing the world's leading ocean technology suppliers and service providers runs alongside a three-day programme of hands-on

training and demonstration workshops, both dockside and at sea, enabling buyers to test drive equipment before buying. In addition, Ocean Business offers Offshore Survey, a two day conference addressing the technical and business issues facing the global field of offshore surveying and Ocean Careers, a three day event providing advice on career opportunities within the ocean technology, marine science and offshore industries.

www.oceanbusiness.com

Stand number: A265

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Oceanscience Group

The Oceanscience Group will showcase their revolutionary sensor deployment systems, the UnderwaySV and UnderwayCTD, which offer highly-accurate and repeatable CTD and sound velocity profiling on vessels of opportunity while underway at over 10kts. Instead of stopping the vessel for a lengthy CTD or sound velocity (SV) cast, Oceanscience customers can obtain these critical profiles without any survey disruption at all. With over 50 systems in use worldwide, customers are benefiting from the latest in underway profiling by not stopping or slowing the ship, saving valuable time and resources, and not leaving any waste upon the sea floor.

Stop by booth J350 and find out how the UnderwayCTD and UnderwaySV can give you better data and more efficient surveys.

www.oceanscience.com

Stand number: J350

Optech

Optech pioneered airborne laser bathymetry and, nearly four decades later, continues to advance Lidar by integrating complementary technologies. Optech marine systems specialise in the rapid and safe collection of georeferenced position/elevation and environmental data for a multitude of disciplines in mapping and hydrography. High area coverage rates, seamless data acquisition across the land/sea interface, ease of operation and rapid deployment make Optech systems the cost-effective solution for coastal mapping.

CZMIL (Coastal Zone Mapping & Imaging Lidar)

Three sensors—Lidar, hyperspectral and RGB—in one breakthrough survey system. Plus, a software suite that automatically generates physical and environmental information products such as water depth, water bottom characteristics and water column characterisation—all seamlessly processed in one package.

AQUARIUS

The compact solution for mapping coastal and inland waterways. Aquarius collects land and water depth measurements simultaneously, delivering complete datasets spanning the land/water interface.

www.optech.com

Stand number: D500

OSIL

OSIL will be releasing the new 1.2m Tern buoy platform, designed for harsh coastal environments, at Oceanology International 2012. The Tern buoy has approximately 600kg buoyancy, and can be equipped with any of the OSIL Data to Web solutions, or the Iridium data link. The OSIL MiniBAT will be on display, with its new ruggedised splash proof control box, accompanied by the new Dredge Monitor, a compact and lightweight solution. There will also be an example of the OSIL Mega Multiple Corer, capable of retrieving 12 undisturbed sediment samples (including the sediment/water interface), on the stand.

www.osil.co.uk

Stand number: H100

Osiris Projects

Osiris Projects are market leaders in ultra-high-resolution hydrographic and geophysical survey, specialising in the provision of bespoke, high quality solutions to all types of shallow- water survey requirements. The company will be showcasing their capabilities at Oceanology, and subject to work schedules, presenting their specialist 27.5m survey vessel, *Bibby Tethra* in the vessel demonstration area. Launched in 2011, *Bibby Tethra* provides an exceptionally stable working platform due to her advanced hull design and ultra-quiet, extremely economical operating profile. *Tethra* offers a number of unique features for a vessel of this size, including Dynamic Positioning (DP1), dual propulsion systems and comfortable air-conditioned accommodation for up to sixteen.

Osiris Projects are positioned close to the vessel demonstration area on stand P600.

www.osirisprojects.co.uk

Stand number: P600

Panolin

Water contamination in excess of 1000ppm will reduce the life of a lubricant and alter the fluids viscosity characteristics. Left unchecked, there is the potential for cavitation, corrosion, and damage to the system components. Reaction with the lubricant can also form harmful chemical by-products which will destroy essential additives. Again, left unchecked water contamination will increase the risk of microbiological growth within the system.

Panolin will be demonstrating a water control package incorporating the use of a Cardev subsea filter unit to remove water and a portable contamination monitoring unit for hydraulic oils. This package is an efficient, reliable and cost effective method of reducing the damage caused by water contamination.

Experienced technicians from UK distributor Environmental Technologies will be available to demonstrate and advise on the use of these products.

www.panolin.co.uk

Stand number: C140

Pelydryn

With teams currently in the US, the Middle East, Australasia and Europe, Pelydryn is delighted to be at Oceanology International and invites you to call and see us on stand A313.

Pelydryn provides a global hydrographic survey service, specialising in shallow and coastal waters.

The company's cutting edge Lidar technology enables clients to obtain rich, high quality data which uniquely collects both bathymetric and topographic imagery in a fraction of the time and cost of more traditional methods.

Founded by some of the world's most renowned experts in hydrographic Lidar, our experts can offer a myriad of services, according to your needs, whether it is helping you plan, manage and execute your surveys or simply assisting you to grow and increase your own hydrographic capability.

We are now in our third year of trading and our highly qualified experts and IHO Cat A surveyors, are ready to assist you with advice and support in the planning and execution of your hydrographic surveys and capability designed specifically to suit your needs and represent excellent value for money.

www.pelydryn.co.uk

Stand number: A313

Planet Ocean

Planet Ocean represents some of the world's leading manufacturers of oceanographic and meteorological instrumentation; ASL, AXYS, Instrument Concepts, Satlantic, Star-Oddi, WET Labs to name but a few, will all be in attendance and available for one to one discussions with current and prospective users. Planet Ocean will be available to discuss instruments and systems from any of their principals, along with their own in-house technology.

Featuring this year will be the new Minibuoy; for sheltered and inland waters deployments. The 0.61m diameter platform, the smallest in the range which extends to 3.6m has recently undergone a complete mechanical overhaul with an all polyethylene equipment housing replacing the original stainless steel version. An additional mooring point has been added that provides improved stability in higher currents, and a choice of 7 different buoyancy modules are offered to cover a huge range of environmental conditions.

www.planet-ocean.co.uk

Stand number: J500

Pôle Mer PACA

Pôle Mer PACA (Sea Innovation and Business Cluster) has become a key actor in sustainable development and maritime security and safety in the Mediterranean. Our ambition is to respond, through innovation, to growing demands for security and sustainable development, a source of new forms of economic activity.

The efficiency of our cluster is due to its strong operation governance in which all of its actors, project leader and partners are involved.

Our two strategic fields of activity are safety and sustainable development divided into 5 areas:

- Maritime safety and security
- Ship and nautical industry
- Ocean energy resources
- Marine biological resources
- Environment and coastal engineering

Visitors are welcome to visit ACSA at the French Pavillon-UBI France B300

www.polemerpaca.com

Stand number: B300/C300

Prevco

Prevco have sold more than 3000 of their 'Titanium Dual Seal Pressure Relief Valves' in less than a year and the product has become one of its fastest selling accessory items. The valve is typically fitted to subsea housings where internal components may cause off-gassing, i.e. batteries/electronics or where high external temperatures may cause pressures to increase to dangerous levels. The valves can be fabricated from Anodised Aluminium (100 metres rated) or Titanium (6000 + metres) treated with a dielectric coating which helps to prevent galling and corrosion from dissimilar metals. The valves typically crack at either 5psi or 10psi and make removal of endcaps completely safe. The product is available from both the USA and UK branches.

www.prevco.com

Stand number: H20

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