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GENERAL OCEAN NEWS

1.a) TRITON IMAGING[®] CELEBRATES 25 YEARS OF INNOVATION– INTRODUCING THE TRITON PERSPECTIVE PRODUCT LINE

Triton Imaging, a technology leader in marine data fusion software, announced recently that it has reached the important milestone of 25 years of business, and are introducing a brand new line of products under the Triton Perspective™ architecture. This architecture capitalizes on an array of advanced software technologies including: multi-core parallel processing, indexed cache files, workflow-oriented wizards, and multi-resolution image management to deliver ease of use, accuracy, quality, and versatility to the end-user.

New Triton Perspective products include: Triton MosaicOne™ - sidescan and backscatter mosaicing package; Triton PerspectiveMap™ - map-based data fusion engine; Triton HarborSuitePD™- underwater port security system; Triton SeaClass™ – sidescan image segmentation; Triton PipeTrack™– pipeline tracking and free-span detection; and an emergent collection of tools for mine-countermeasures, hydrography, habitat mapping, marine archaeology, and commercial survey markets. Images shown were processed with Triton SeaClass, Triton HarborSuitePD and Triton MosaicOne. For more information visit www.tritonimaginginc.com, email sales@tritonimaginginc.com, or call (831) 722-7373.

1.b) NEW HYDROC™ CO² SENSOR FROM CONTROS

CONTROS Systems & Solutions GmbH, Kiel, Germany, has launched a new optical based underwater CO² sensor, "HydroC™", following extensive proving trials. The Titanium housed instrument is rated to 2000m, with a 6000m deepwater option. Analogue and digital outputs enable users to connect the HydroC™ to most proprietary dataloggers, lap-tops, controllers, etc. and interfacing to most existing sub-sea technologies and networks is easily achieved. This instrument is also available with an internal Datalogger. The compact HydroC™, which weighs in at a modest 4.2 kgs (2000m rated), is an ideal sensor for environmental monitoring, oceanographic research and CO² sequestration applications. Detectable gas molecules diffuse through special membranes to a detector chamber where the concentration is optically measured. The optical measuring technology overcomes many of the disadvantages of other existing methods. Please contact product Daniel Esser at d.esser@contros.eu or, for the UK, David Goldsmith at d.goldsmith@rsaqua.co.uk.

1.c) EASYTRAK ORDERS MULTIPLY

Such is the enthusiasm for Applied Acoustics' Easytrak USBL Tracking System, that three organisations have recently added extra systems to their initial investment. The customers involved have been using Easytrak in a variety of applications showing how truly versatile and valuable the product has proved to be.

GSE Rentals in Aberdeen, UK, now have two Easytrak systems in their rental fleet. "We found the one unit we had was in constant demand both to our customers in the North Sea and further afield, so it was an easy decision to double up." said Alan Cameron, Engineering Manager of GSE Rentals.

A similar endorsement was received from Gardline Environmental, based in Great Yarmouth, UK, who found the accuracy and reliability of Easytrak during subsea survey tasks crucial to operational success and cost-effectiveness. Gardline's second and third systems were delivered at the end of 2007.

The third customer ordering again is the Royal Danish Navy, who use Easytrak in their specialist diving and mine counter measure operations. The Navy will take delivery of their third unit during the first quarter of 2008.

"We're particularly pleased that the global customer base for this product continues to expand," said Gavin Willoughby, AAE's Sales Manager, "but what's equally satisfying is the knowledge that Easytrak is fulfilling a number of key roles within individual organisations, which breeds confidence in the system, resulting in a number of repeat orders." For more information please visit www.appliedacoustics.com

1.d) NEW WAVE OVERTOPPING CALCULATION TOOLS LAUNCHED

Projected sea level increases, more intense rainfall and stronger wind speeds are expected to increase flood risk in the future. Understanding the level of risk from waves overtopping seawalls or other structures is a key requirement for effective management of coastal flood defences. Seawalls range from simple earth banks through to vertical concrete walls and more complex composite structures. For each of these structures different methods have been needed to assess overtopping. Now, by applying the latest understanding of overtopping processes acquired from recent European research projects a team led by HR Wallingford, with partners in the Netherlands and Germany, has produced a set of web-based Calculation Tools to help users determine overtopping predictions for each of these structures.

“These tools let users explore overtopping predictions for sea dikes and embankments, rubble mound structures or vertical seawalls and breakwaters” explains HR Wallingford’s Project Manager, Dr Tim Pullen. “By choosing the structure type and entering data for key parameters, overtopping discharges are calculated.”

Developed to accompany the new European Overtopping Manual, published in August 2007, the Calculation Tools are freely available at http://www.overtopping-manual.com/calculation_tool.html. Funding for the development of both the Manual and Calculation Tools was led by the UK’s Environment Agency, with substantial support from operational agencies in the Netherlands and Germany.

1.e) L-3 COMMUNICATIONS KLEIN ASSOCIATES, INC. TO HOLD SIDE SCAN SONAR PRICING FOR 2008

L-3 Communications Klein Associates, Inc. is pleased to announce that it will not raise prices for the Side Scan Sonar products in 2008. While most of the competitors within the Side Scan Sonar market are increasing prices, L-3 Klein through numerous “Continuous Improvement Projects” and by instituting strategic cost savings within our factories, are able to hold our current pricing structure. We are adopting internal changes that are bringing cost savings to fruition. L-3 Klein is passing these savings on to our customers by not increasing prices. Fuel for boats, sea testing has gone up, heating oil is at an all time high, taxes have increased and we continue to reward the performance of our employees with annual raises but factory efficiency savings are offsetting these increases.

Pricing for the following L-3 Klein Systems will be held in 2008; System 3000 Digital Side Scan Sonar, System 3900 Search and Recovery Sonar, System 4000 Port and Harbor Security Side Scan Sonar, and the System 5000 High Resolution, Multi-Beam Side Scan Sonar. For more information, please visit www.L-3Klein.com

1.f) TRIMBLE APPOINTS ESCORT LTD., AS TRIMBLE DISTRIBUTOR FOR THE MARINE PRODUCTS IN POLAND

Escort Ltd., of Szczecin, Poland is Trimble’s new distributor of marine GPS solutions for hydrographic surveys, third party integration on marine vessels, dredging, barge positioning and marine construction in Poland. Established in 1990, Escort Ltd. provides sales and service for a range of communication and monitoring systems, serving principally the marine markets. Escort Ltd. holds ISO9001:2000 quality management certification. The 1.450.000-EUR company has 23 employees and a branch office in Gdansk. Escort Ltd. is organized in three departments: sales and marketing, service, and development and informatics. To reach Escort Ltd., call 091 4310411 or visit www.escort.com.pl.

1.g)SEA WINS CONTRACT FOR THE LOW FREQUENCY SWATH SONAR SYSTEM FOR TOBI

SEA (Group) Ltd recently announced that it has been chosen to develop the deep ocean, low frequency swath survey sonar for UK National Oceanography Centre’s (NOC) Towed Ocean Bottom Instrument (TOBI). The development will provide NOC with the capability to conduct accurate hydrographic survey over wide swaths at the ocean floor, keeping the TOBI vehicle at the forefront of deep ocean research. Commenting on the announcement, Gareth Somerset, SEA’s Offshore Division General Manager said: “We are delighted to have been chosen for this prestigious development.

The sonar represents a new and significant element in our provision of survey systems. It is an exciting and challenging programme and SEA is committed to delivering a high quality product for the TOBI vehicle." For more information, please visit www.sea.co.uk

1.h) VITROVEX GLASS BUOYANCY ORDER FROM NOC, SOUTHAMPTON.

Hampshire, UK based RS Aqua Ltd, report that the National Oceanography Centre, Southampton, has ordered 314 Vitrovex 17" glass buoyancy spheres with hard-hat sets. The buoyancy spheres are crafted from Schott borosilicate glass and are used to support deepwater moorings for the RAPID ocean circulation programme and other NOC projects. This latest contract follows similar orders for 180 sets last year and confirms the complimentary feedback from NOC moorings and instrumentation experts over the quality of the glass spheres.

The Vitrovex range includes several diameter and wall thickness versions which are also ideal for instrument housing applications. During 2007 special, 10,800m rated Vitrovex spheres were also supplied to OceanLab, Aberdeen for a far east, deep ocean project that will be reported in more detail at a later date. RS Aqua acts as UK and Eire representatives for Nautilus Marine GmbH, the German outlet for the Schott manufacturing plant. Amongst the many other UK users of Vitrovex are Proudman Oceanographic Laboratory (Liverpool), CEFAS Laboratories (Lowestoft) and the Scottish Association for Marine Research (Oban). Additional information can be obtained via www.rsaqua.co.uk

1.i) JAGUAR ATTACK

In a direct attack on the hydraulic ROV market, Saab Seaeye has launched an innovative new concept in electric work ROVs. Called the Seaeye Jaguar, it is now the largest in their range and the most advance of its type in the world. Its launch marks the introduction of an entirely new generation of electric underwater vehicles with technological innovations set to maintain the company's lead in the electric ROV market.

The Seaeye Jaguar has the highest payload and thrust in its class, with a clever new simplified control system that makes it easy to pilot. At under half the weight of its hydraulic ROV equivalent, with a smaller footprint, and needing fewer operators, the Seaeye Jaguar can bring significant savings in operating costs. With a power to weight ratio that is by far the best in its class, the Jaguar will bring the precise control associated with Seaeye's ROV technology to an ever wider range of heavy duty work tasks. Operators will also welcome the faster training of new pilots and conversion of experienced pilots that is now possible with the new simplified control system. Its built-in intelligence, with fewer and more intuitive controls, has lightened the burden on the pilot by making it easier to manage the ROV. Pilots will also find fault diagnostics easier. A unique system of self-diagnostics and simple presentation, clearly displays the fault and the necessary remedial action to the pilot.

The accessories offered as standard on the ROV include a pair of Schilling Orion manipulators: the seven function position feedback manipulator, and the four function rate manipulator. The Seaeye Jaguar is unveiled as the company continues to make inroads into a market area dominated by hydraulic work vehicles, but where operators are increasingly turning to electric work ROVs, attracted by lower cost of ownership and ease of handling compared with the hydraulic equivalent. For more information, please visit www.seaeye.com

2. EVENT, TRAINING AND DEMONSTRATION NEWS

2.a) DYE TRACING WORKSHOP ANNOUNCED BY RS AQUA, WARWICK, 17 APRIL

RS Aqua Ltd, Hampshire, UK announces a one day Dye Tracing workshop on Thursday 17 April at the University of Warwick. The event is being organised in collaboration with the Warwick Water Group based within the university's Dept of Engineering and repeats the format of a highly successful workshop held in October 2003 at HR Wallingford. The provisional programme and booking form can be accessed via the following link http://www.rsaqua.co.uk/documents/DyeTracing-AnnouncementFlyerv1_2.pdf Eleven seminar presentations are scheduled plus three parallel group "instruments in action" sessions utilising the superb facilities provided by the Dept of Engineering.

A subsidised delegate charge of £35 (inc VAT) will be levied as a contribution towards costs for lunch, refreshments, car parking etc.

2.b) IMCA TO HOLD ROV SEMINAR AT OI08 – AND TAKING AN ACTIVE ROLE IN EDUCATION PROGRAMME

Developments in ROV technology will come under the seminar spotlight at Oceanology International (OI08) on 12 March, when the International Marine Contractors Association (IMCA) holds its second ROV seminar at the event being held at London's ExCeL

The half-day programme, with speakers from Acergy, the National Centre for Ocean Forecasting, Subsea 7 and Marine Institute Newfoundland, covers robotic convergence, motion forecasting for ROV work; ROV DP: where are we and where are we going?; ROV operator training needs and ends with a panel discussion and networking drinks reception.

"We are delighted to have the opportunity to run a second ROV seminar at OI," says IMCA's chief executive, Hugh Williams. "The first, held in 2006 was extremely well attended, and we are looking forward to a similarly successful and stimulating event this year."

The seminar, which starts at 14.30 with coffee, is free to attend and open to all, for planning reasons attendees are asked to pre-register either online at <http://www.imca-int.com/events/> or by emailing events@imca-int.com

2.c)SIDE SCAN SONAR TRAINING, USA, 26-28 FEBRUARY, PLACES STILL AVAILABLE.

The Side Scan Sonar Training Course, being held on February 26, 27 & 28 has a few slots left. The course will cover basics of side scan sonar, operation of the equipment, various differences of major systems, data acquisition and reduction, software adjuncts sophisticated analysis techniques and final report formats and inputs. Those wishing to attend should contact Moira Patton at International Industries Inc. She can be contacted at (1) 410-249-4080 or at moira.patton@internationalindustries.net.

3.JOB POSTINGS

3.a) SEVERAL OPPORTUNITIES AVAILABLE AT MOBILE & MARINE ROBOTICS RESEARCH CENTRE, LIMERICK IRELAND

The Mobile & Marine Robotics Research Centre (MMRRC) at the University of Limerick, Ireland are seeking an Research & Development Programmer to join the Centre to work on the next generation version of Augmented Reality Support Tools for the marine sector. In particular, the work programme will involve the development of a suite of high-fidelity virtual reality simulation tools in C++ to support near-seabed imaging and survey UUV applications. Minimum qualification required include an Honours Bachelor or University Degree in an Engineering or Computer Science discipline (Electronic, Computer) with at least two years experience in full life cycle C++ application development in a commercial environment. Salary Scale: Analyst Programmer I: €36,947 - €47,529 p.a. - Maximum Starting Salary €39,585 p.a. Information for Applicants and the Job Description details are available at <http://www.ul.ie/web/WWW/Services/Human%20Resources>, Job ID **001323**. The closing date for receipt of completed online applications is Friday, 15th February 2008 at 12h00.

They are also seeking a Research & Development Engineer to join the Centre to work on the next generation version of Augmented Reality Support Tools for the marine sector. The work programme will involve the development of a suite of high-fidelity virtual reality simulation tools for marine education, research, training, and offshore operations support applications where different vehicle systems, sensors, control software, and simulation tools can be implemented, tested, and refined, under realistic conditions, before offshore deployment. The engineer's principal focus will be towards the real world testing and proofing of the developed technology. Minimum qualification required include an Honours Bachelor or University Degree in an Engineering discipline (Electronic, Computer, Control) and at least two years experience in full life cycle Labview application development, with knowledge of Matlab, C++ Sensors/instrumentation/control systems design, integration and development desirable.

SALARY SCALE: Postdoctoral Researcher: €38,623 - €54,774 p.a. – Maximum Starting Salary €40,476 p.a. Information for Applicants and the Job Description details are available at <http://www.ul.ie/web/WWW/Services/Human%20Resources>, Job ID **001324**. The closing date for receipt of completed online applications is Friday, 15th February 2008 at 12h00.

The Centre is currently working on the next generation version of Augmented Reality Support Tools for the marine sector to address specific technology challenges to the deployment of Unmanned Underwater Robots with integrated payload sensor systems (sonar, video, and navigation) for near seabed imaging and survey. An opportunity exists for a Technology Market Analyst to join the Centre to undertake market analysis, to help define strategy and identify new business opportunities for the commercial spinout of the developed technology solutions. This is an excellent opportunity for someone with experience in both an electronic/computer/marine engineering discipline and business that wants to work in a highly driven and commercially focused research and development environment. Candidates for this position will be business or engineering graduates with technology sector experience gained in one or more of the following; marketing, commercial, strategic planning, or finance functions in an engineering/IT-related discipline. Candidates for this position will have demonstrated expertise in a technical subject matter, exceptional analytical abilities, sound commercial acumen, and strong communication skills. SALARY SCALE: Research Fellow: €33,541 - €79,306 p.a. – Maximum Starting Salary €39,711 p.a. Information for Applicants and the Job Description details are available at <http://www.ul.ie/web/WWW/Services/Human%20Resources>, Job ID **001322**. The closing date for receipt of completed online applications is Friday, 15th February 2008 at 12h00.

3.b) QUALITY ENGINEER, MANUFACTURING ENGINEER AND DESIGN ENGINEER REQUIRED BY TRELLEBORG CRP, INC, USA.

Trelleborg CRP Inc. is located in Houston, TX and manufactures buoyancy products that are used to support underwater equipment and pipelines when plunged into deep waters. It also manufactures a thermal insulation system that keeps pipelines warm.

They are seeking a Quality Engineer, whose main responsibilities will include evaluating drawings and routings to develop inspection requirements for each operation; creating characteristics for each print dimension, note and item as well as specifications and routing instructions; selecting the appropriate tools and methods for performing each data collection including SPC as necessary; provides statistical information for quality improvement by determining and applying testing methods and criteria; coordinates and guides technical evaluations, analysis, and related data acquisition processes to ensure division quality objectives are achieved; chair the MRB (Material Review Board) and direct non-conforming material review disposition process; lead failure analysis efforts on systemic material related non-conformances and field returns implementing appropriate corrective action; provide procedural/system training to QA staff and others; facilitate ECO implementation providing analysis, approval, and verification.

They are also seeking a Manufacturing Engineer, whose main responsibilities will include accomplishing manufacturing engineering human resource objectives by recruiting, selecting, orienting, training, assigning, scheduling, coaching, counselling, and disciplining employees; communicating job expectations; planning, monitoring, appraising, and reviewing job contributions; planning and reviewing compensation actions; enforcing policies and procedures. Also achieving manufacturing engineering operational objectives by contributing manufacturing engineering information and recommendations to strategic plans and reviews; preparing and completing action plans; implementing production, productivity, quality, and customer-service standards; resolving problems; completing audits; identifying trends; determining manufacturing engineering system improvements; implementing change. Finally developing and designing ancillary equipment for the Deepwater Oil and Gas Industry in an efficient and timely manner such that products, drawings and procedures fully comply with the client's and Business Unit's requirement. Develop and maintain design and documentation procedures for the Engineering Department.

The final opportunity is for a Design Engineer who will support sales, project engineering, drafting, and tooling functions to specify products that meet client requirements, satisfy the Company's commercial and

technical requirements, and maximize the gross margin generated by each project. Generate product design documentation such as design reports, assembly procedures and test procedures. Arrange for the conduct of engineering design work and the preparation of engineering drawings. Support the design of new products for development within the Product Groups, liaising with purchasing, technical, manufacturing, tooling, and projects in respect of lead times, materials and tooling availability. Identify design methods and techniques required to satisfy the project specifications. Improve and maintain product and mould design procedures.

For more information about any of the roles above please contact crpjobs.us@trelleborg.com