

CMID WORKSHOPS GO INTERNATIONAL

Latest update on the CMID database and our workshops in The Netherlands and Singapore



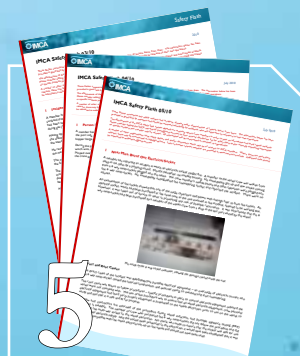
PLUS

- ◆ IMCA MEMBERSHIP TOPS 700
- ◆ THE LATEST UPDATE FROM IMO
- ◆ NEW PUBLICATIONS & DVDS
- ◆ 2011 SAFETY SEMINAR IN VENICE



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From the President

Johan Rasmussen, Acergy
IMCA President, 2010



In my last forward I discussed 'risk', and I want to continue with that theme as it is so important to us all.

The word 'risk' pops up regularly in *Making Waves* and publications alongside: analysis, assessment, capital, insurance, management, mitigation, reduction, transfer etc. Our publication *Identifying and assessing risk in construction contracts* discusses the fact that a contractor is engaged because a client wants to have construction works performed and the contractor is established as having the skills, personnel, equipment, time and desire to perform such works. We all know that performing construction works offshore, often in remote locations and in areas lacking infrastructure, involves risks associated with the weather, seabed, local and national regulations, political changes, tax regimes, currency exchange and currency export. Other risks relate to the performance of the work regardless of external risks, for example the ability of the contractor to obtain the right tools and use them in the right way.

The aim of the document is to promote dialogue and create clarity for the parties to allocate the risks in the contract at the outset, both fairly and clearly, and then to manage them.

The incident in the Gulf of Mexico has focused the minds of many parties on risk. The consequences may include pressures to change, for example in legislation, contracts and insurance. IMCA will continue to play its part, including being a forum for dialogue and a means to share ideas across the industry as they apply to the marine contracting sector. This is a positive action, but every action also has a 'cost' assigned to it. Risk allocation and management are not free but the cost of dealing with it is fundamentally worthwhile.

The IMCA annual seminar *Delivering value in marine operations* on 23-24 November in Dubai, UAE is both a huge opportunity for dialogue and sharing, as well as a means to show that delivering value is the best demonstration of successfully managing risk. Experience shows that a significant cross section of our industry will be there. Put the date in your diary!

IMCA CMID Inspection Report Database and e-CMID Workshops



To assist members and others with the IMCA CMID inspection report database and the e-CMID application, IMCA has organised a series of workshops on the subject. There are two workshops – one aimed at vessel owners and operators and the other at CMID inspectors.

So far two workshops have been held for vessel owners and operators, one in London and the other in Den Helder in The Netherlands, with further workshops in London and in Singapore to follow. Similarly a workshop for inspectors has been held

in London and will also be followed by more in London and Singapore.

Their purpose is to support vessel owners, operators and inspectors in implementing the use of the CMID inspection report database.

The workshops cover the adding of vessels and their details to the database, the commissioning and approving of CMID inspection reports and managing access to these reports. Inspectors' workshops address downloading the e-CMID application, carrying out the CMID inspection and the completion and processing of the inspection report.

The significance of a primary contact, administrator, user and read only user are also outlined and discussed. Furthermore there is a session on common problems and their solutions.

These are workshops in which interaction and the sharing

of information and ideas are important, so the IMCA personnel involved usually go away with suggestions for improvements to consider and implement as appropriate. The workshops also outline the changes – none of which are to the body of the document – that have been made so far. These include the introduction of a new read only user for internal use with a vessel owner or operator, where some people need to look at CMID inspection reports, and a new industry organisation user category, which applies to bodies such as class societies whom vessel owners and operators may wish to grant access to the CMID inspection reports for their vessels.

It is the intention to review the CMID in November, after the database has been in operation for one year.

At that point amendments and improvements can be made and a new version of the CMID inspection report will appear on the database. CMID inspectors will then be prompted to download the new version and all will be advised of its existence.

It is hoped that the CMID will continue to fulfil the useful and important role within vessel assurance it has over recent years. Further details on the CMID inspection report database can be found at www.imcacmid.com IG





Midsummer Charity Ball

The 2010 IMCA midsummer charity ball, in aid of the International Committee on Seafarers' Welfare (ICSW), took place on Friday 4 June at the Ardoe House Hotel in Aberdeen, UK. This was the first themed IMCA ball, based on the classic Disney movie and musical theatre *The Lion King*. Over 200 guests enjoyed the music of the *Bankhead Academy Steel Band* and *Hazel Mair and the Jungle Singers* in the safari atmosphere, before *The Red Square Dance Band* set the dancers in motion with a selection of traditional Scottish and modern music. The main entertainment of the evening was provided by

Uthingo and Bantu, a traditional South African drumming and dance act. Their finalé was tribal dancing and acrobatics, set to the rhythm of the *djembe*.

This year the charity game was *Timon and Pumbaa*, based on two characters from *The Lion King*, led by Hugh Williams and assisted by our guests from the ICSW. The charity coffers were swelled further by a casino organised by *The Ellon & District Round Table*. Altogether IMCA raised £3,300 for the ICSW and was delighted to present a cheque for the amount to Roger Harris, Executive Director. CB

Here We Grow Again



Sayeeda joined IMCA in May as a new member of our document production team, with a focus on issuing many of our member communications including minutes, information notes and safety flashes, as well as assisting in other varied administrative tasks.

Having graduated in law, Sayeeda has a varied background working in both the private and public sector within the area of document production. She is enthusiastic to be part of an organisation that has grown remarkably in the past few years.



Michelle joined in June as our new receptionist and office administrator. Michelle assists the Support Services team – in particular with publications sales – as well as being the first point of contact on the telephone and for visitors.

Michelle has over three years experience in customer service; her previous role was as a customer service executive for a leading conference producing company.



Sara joined in July as an events administrator, providing maternity cover for Claudine Bleza. Her focus is divided between working on the organisation of our social events and on co-ordinating the Association's participation in industry events. Sara also works with Parul on seminar and meeting administration.

Sara moved to London five years ago to begin her career in events, working in such fields as award ceremonies, conferences and exhibitions.



Paul joined at the beginning of August as a new technical adviser specialising in marine construction. He has previously worked for CTC Marine Projects and Saipem on their subsea equipment and has a great deal of experience in offshore engineering. KG & ABu

Online Publications Ordering Coming Soon

IMCA has published over 200 documents promoting good practice and industry awareness, which are available for purchase to both members and non-members. Up until now, our ordering system has been a manual process with order and payment forms needing to be either faxed or emailed through to the secretariat for processing.

In a bid to make the process more efficient, convenient and secure for customers, the Association is in the process of creating an online ordering system for members and non-members to use for all publication orders. This new website will enable users to place their order and make a secure online payment using a credit or debit card all in one easy step.

Please keep your eye on our website <http://www.imca-int.com/documents/publications/> for the launch of our new system. KG



Revised IMO STCW Convention

In June the International Maritime Organization (IMO) adopted major amendments to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (the STCW Convention and Code), which are due to enter into force on 1 January 2012.

As the first major update since the 1995 STCW amendments, there are a number of significant changes which could have implications for offshore contractors involved in training or managing marine personnel. These include:

- ♦ New guidance on dynamic positioning operators (DPOs). The new guidance on the training and experience of DPOs was developed with assistance from IMCA and reflects current industry practice. The Nautical Institute DPO route will still be valid, and it is anticipated that many administrations will recognise this. However, governments could decide to use the new STCW guidance as the basis for developing their own national DPO schemes.
- ♦ New competence standards for electro-technical personnel. Personnel working within the marine crew as electro-technical officers or electro-technical ratings will need to meet the new mandatory training and competence standards. However, IMCA helped ensure that appropriately qualified personnel from non-marine backgrounds will still be able to perform certain electro-technical functions without having to have the full STCW certification.
- ♦ New work hour rules. The minimum weekly rest hours have been increased, and there have been changes to the exemption clause that allows deviations from the work hour limits.
- ♦ New security training. All seafarers will require basic security training, and there will be additional competence requirements for personnel with designated security duties.
- ♦ New guidance on OSVs. There will be new guidance on the training and experience of offshore supply vessel personnel, including specific guidance on training for anchor handling operations.
- ♦ Maintaining competency in basic training. Seafarers will have to complete additional refresher training, as part of their five yearly STCW revalidation.

For seafarers who started their training or seagoing service before 1 July 2013, the existing STCW arrangements will apply until 1 January 2017.

Companies should start thinking about whether they will need to adjust their training and competence requirements for marine personnel, to take account of the changes.

A summary of the amendments is available from the IMO website www.imo.org but for any further information please contact Emily.Comyn@imca-int.com

Energise Your Future

Following a meeting of the Competence & Training Committee and representatives of the OPITO Oil and Gas Academy, IMCA will be supporting OPITO's next careers event *Energise your future* on Wednesday 24 November in Aberdeen, and providing a stand with promotional careers material. NH

Membership Tops 700

Less than a year ago IMCA passed the 600 members mark and, bearing in mind the recent economic situation and consequent industry downturn, it is indeed a major achievement to see membership continue to grow so dramatically.

When the International Association of Offshore Diving Contractors (AODC) and the DP Vessel Owners Association (DPVOA) merged to form IMCA in 1995 membership was around 100 and by 2002 there were 200 members. It took four more years to reach 300 member companies in 2006, but since then the Association has seen dramatic growth with 400 members reached in 2007, 500 in 2008, 600 in 2009 and now over 700 member companies from over 50 countries.

Globally, our members continue to realise the benefits of sharing information and profiting from the IMCA 'knowledge base'.

The geographic spread has generated growth across all membership categories from contractors to corresponding members. Ensuring safe and efficient operations whilst offering value to clients around the globe remains at the heart of the IMCA ethos.

Russia and China are two geographical areas that are opening up for the Association. We are addressing diving issues in China with new members there, and we are also seeing a growing interest from Russia. This was evident at this year's Oceanology International where visitors, some speaking through interpreters, came to our stand wanting to work with and join IMCA.

The growth of membership sees an ever-busier work programme for the Association and a further increase in size of the secretariat, with a team of 19 now working at the IMCA headquarters in London. HW

Annual Seminar

Plans for this year's annual seminar have now been finalised and the seminar programme and online registration are now available. With the theme of *delivering value in marine operations*, the event aims to repeat the successes of recent events in Brazil, Malaysia and France.

A packed programme has been assembled, with a keynote presentation on contracting issues followed by themed sessions for marine, diving and offshore survey/ROV topics. Various workshops will cover a broad range of technical issues, following on from earlier presentations.

As usual an exhibition of IMCA supplier members' latest products and services will take place alongside the seminar, with both regular and new exhibitors taking part.

Social events are always an important part of the seminar, allowing networking and the chance to see old friends and colleagues. For full details on the seminar and to register, please visit www.imca-int.com/events JB



core activities

Safety Flashes



IMCA safety flashes and systems for incident reporting and analysis help share vital information. By publishing them, IMCA helps its members around the world identify potential hazards, share lessons learnt and avoid repetition. Any member can submit material to incidentreports@imca-int.com and all submissions are handled in the strictest confidence, with information anonymised,

checked before issue and published only with permission from the originator. Safety flashes should be succinct, specific, factually correct and written in clear language, and the secretariat will always carefully format and check the material submitted. Members can help by following a number of pointers:

- ◆ The title should be concise and focus on the main issue;
- ◆ The focus should be on lessons learnt and how to prevent a recurrence, rather than on the incident itself;
- ◆ The content should be succinct, specific and, as far as possible, a common theme or pattern should be followed:
 - What happened? An incident or an issue will be described;
 - Why? What were the immediate causes and, if appropriate, the root causes;
 - Learning: what can members learn from this?
 - Action: what are the recommendations for members?
- ◆ Ideally there should be photographs or illustrations.

A safety flash should provide sufficient detail and communicate risks, precautions and necessary actions effectively without releasing information about the people or organisations involved.

Further information on incident reporting can be found in the factsheet *Avoiding Incidents*, available from www.imca-int.com/documents/factsheets NH

Call for Papers for 2011 Safety Seminar

The safety seminar will take place on Thursday 24 and Friday 25 February 2011 in Venice, Italy. Submissions of abstracts are invited on the seminar theme *HSE practices – which route to take?* as well as suggestions for the group discussion topics. The event will feature a mix of presentations and discussions, bringing together safety professionals and managers, offshore personnel, clients and consultants to discuss a variety of issues, share lessons learnt and identify areas for future IMCA work. JB

New SEL Committee Chairman

As a result of the recent biennial SEL Committee election Dave Forsyth of Bibby Offshore has taken over as Chairman with Jim Knight of Heerema Marine Contractors taking on the role of Vice-Chairman. Wallace Robertson of Helix ESG has stood down after four years at the helm but will remain on the committee. Our thanks go to Wallace for all his hard work, to all those who served on the committee for the previous two years and to everyone who participated in the election. JB

Step Change C&T Case Study

In recent years IMCA has been an exhibitor at the annual safety share fairs held by Step Change in Aberdeen for safety representatives and other safety professionals. This year IMCA was asked to make a presentation on competence. Nicholas Hough addressed delegates on the IMCA competence framework as a primary tool in the 'safety toolkit'. NH

The C&T Committee has developed a case study about the experience of one of IMCA's leading contractor members in developing its own competence assurance and assessment programme using the IMCA competence framework. The case study covers the importance of competence assurance, how the programme was set up and some of the main principles involved. NH



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Toolbox Talk DVD

Toolbox talks – a group talking over the key points involved in a job before it begins – can bring huge benefits, from avoidance of accidents, disruptions and delays, to improving working methods and using equipment more effectively.

IMCA has developed a DVD to help, describing the process. To maximise their effectiveness, toolbox talks should be organised around four basic requirements – timing, attendance, observation and knowledge – which the DVD considers in turn. It sets out when a toolbox talk should be held: before

the work, to ensure that everyone involved is focused on achieving the task safely; following any significant change in plan; and also on a regular basis, for example at shift change. It also identifies that in some circumstances personnel other than those directly involved in the task may also take part, e.g. client representatives, health and

safety representatives or line managers, with the emphasis on toolbox talks being relevant, brief and focused on the task ahead. While there is no limit to the topics that might be covered in a series of talks, in most cases they take a detailed look at tasks to be undertaken by the team members attending. It is important the supervisors are satisfied that all team members understand what is

happening and there is no better way to do this than by discussing issues directly with them, addressing any concerns before they lead to real difficulties.

The DVD will be available in PAL and NTSC formats, and includes ten language versions to enable wide use with the offshore workforce. JB

Safety Statistics

In June IMCA published the report on 2009 safety statistics for IMCA members. Data was contributed by

152 contractor members – over 50% of the contractor membership at the start of last year.

As the number of contributors has grown, so the number of larger companies taking part has increased. 18 companies reported more than 10 million man-hours worked, up from 15 in 2008 and 9 in 2007.

The safety statistics are an important tool providing a snapshot of safety performance in our industry. IMCA is grateful to all those who have contributed but encourages even greater participation in the future.

This twelfth annual report shows a slight fall in the overall lost time injury frequency rate (LTIFR), but a small increase in the overall total recordable injury rate (TRIR).

IMCA is pleased to note that the worrying year-on-year increase in LTIFR for smaller companies has not continued; with the figure improving and bettering the 2007 figure.

Once again a deeper analysis of the immediate causes

of lost time injuries (LTIs) has been carried out using an agreed list of common categories. The most common causes were 'falls on the same level (including slips and trips)' and 'struck by moving or falling objects'. Together with 'struck against' these three categories accounted for over half of all reported LTIs. The SEL committee intends to identify new areas for its safety promotional materials to address, focusing its efforts in the areas that will make the biggest difference in the future.

IMCA has published a short, high-impact summary of the safety stats, available as IMCA SEL 17/10 and a longer and more detailed report available as IMCA SEL 18/10. NH

Confined Spaces

The SEL committee intends to develop a short and informative DVD on confined space entry targeted at vessel crews. A small workgroup will take forward the development of a script. Anyone interested in assisting with this project should contact Nick.Hough@imca-int.com



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regional news

Europe & Africa

IMCA is organising a one-day workshop on renewables, which will follow on from the next regional section meeting on 7 October 2010 in Amsterdam, The Netherlands. Speakers will include Renewables UK, HSE's Emerging Energy Technologies Group, Visser & Smit and Subsea 7. The aim is to get interested parties – installation contractors, regulators, clients, and trade associations – together to discuss the issues and challenges in renewable developments.

Middle East & India

The next meeting of the Middle East & India section will take place on Monday 20 September 2010 in Jebel Ali. Guy Odell of Fugro Survey (Middle East) has been elected as the new Vice-Chairman, following Kris Chambers' move from Global Industries. Guy is his company's Vessel Manager of subsea services in the Middle East.

IMCA will also be holding an India briefing seminar in Mumbai on 21 September. This will provide an update on IMCA activities for members and is also aimed at introducing the association to potential members and organisations who could benefit from IMCA's work.

The following section meeting is scheduled to take place the day before the IMCA annual seminar, on 22 November 2010 in Dubai, UAE.

North America

IMCA has signed a memorandum of understanding with the Marine Technology Society Dynamic Positioning Committee. The MOU demonstrates recognition and endorsement of each others' activities in DP safety and reliability, and mutual support for the IMCA annual seminar and MTS DP conference, which takes place on 12-13 October with a supplier exhibition alongside. Further details of the conference can be found at www.dynamic-positioning.com/pdfs/advanceprogram2010.pdf

The 3rd Annual Canadian Underwater Conference and Exhibition is to be held in Toronto, Canada, 24-26 October 2010 (www.underwaterconference.ca). Paul Evans will be presenting a paper on *Dive system assurance audits* which will describe how IMCA's current suite of diving system inspection guidance notes has evolved over the years, and the work of the Diving Division in revising its publications with the aim of providing international guidance on the management of annual diving system audits.

Central & South America

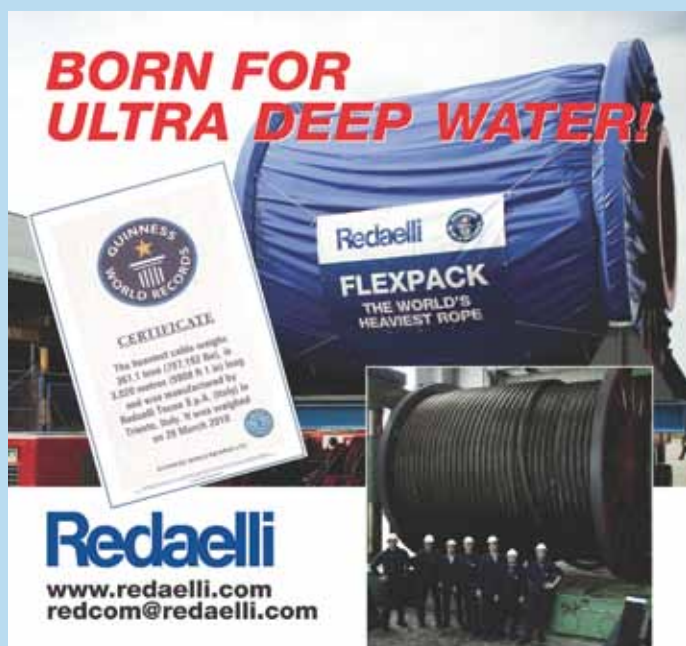
IMCA was delighted when Instituto Brasileiro de Petróleo, Gás e Biocombustíveis (IBP) agreed to endorse IMCA's 2009 annual seminar in Rio de Janeiro, Brazil. This started a relationship which has now culminated in a reciprocal membership arrangement with the aim of facilitating communication and supporting each other as appropriate. This has already led to IMCA members contributing at the IBP Safety Event in Macaé (see below) and IMCA becoming an Institutional Supporter for Rio Oil & Gas, 13-16 September 2010.

Macaé was host to the *Protection Offshore*, organised by IBP on 20-22 July 2010. The event theme was *The importance of HSE in offshore operations* with three days of technical presentations and networking events. IMCA was invited to hold a technical session on the afternoon of 20 July, chaired by Giorgio Martelli of Saipem, Chairman of the IMCA Central & South America section. After a general introduction to IMCA there were two well received presentations and a lively Q&A.

The next section meeting will take place in Rio on 14 September 2010.

Asia-Pacific

As we go to press, the next meeting of the Asia-Pacific section is about to take place on 26 August 2010 in Ho Chi Minh City, Vietnam. The meeting is expected to include the usual mix of presentations and workshop sessions, including a presentation from Jumbo Offshore on deepwater subsea deployment.



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Update of AODC 014 – Minimum quantities of gas required offshore

The AODC guidance for the minimum quantities of gas required to be held offshore before diving operations can commence is currently being updated by the Safety, Medical, Technical and Training sub-committee of the Diving Division Management Committee.

An issue which has been discussed is the breathing

rate to be used for gas consumption calculations. IMCA guidance currently quotes a standard breathing rate of 35 l/m and an elevated rate of 40 l/m. Other common rates used in company procedures, dive manuals and local regulations include 42.5 l/m, 62.5 l/m and 70 l/m.

As so many different rates are widely used, the issue of

which breathing rate to use when calculating the minimum quantity of gas required is not a straightforward one.

The UK HSE is also looking into this and has asked IMCA and industry experts for input. Members' feedback on their own company procedures and breathing rates used for calculations is welcome. *PE*

Safe Use of Electricity

The *Code of practice for the safe use of electricity underwater*, first published in 1985, is now updated and will be reissued as IMCA D 045. It has been prepared by a workgroup made up of IMCA members and technical experts, including three of the workgroup involved in the development of the original code who were able to provide advice on background issues.

The code deals with the hazards that may arise from the use of electricity underwater, the most obvious being electric shock, and their prevention. It covers all types of electrical equipment used by a diver or employed for his benefit, either under his control or the support team's. It also covers any electrical equipment or supply that the diver may work on, or which is in the vicinity while gaining access to the work site. The code considers the risks arising from the various environments encountered and makes recommendations for the selection, installation and maintenance of electrical apparatus used to enable an adequate level of safety to be achieved. *JB*

Certification Scheme Statistics

Over the past three months 130 applications for IMCA offshore diving supervisor and life support technician (LST) exams have been approved. Figures remain high and comparable to those for the same period in 2008 and 2009.

The majority have been for air diving supervisor exams (64%), with the recent surge in LST applications noticeably tailing off, down 10% on last year to 19%. By region, statistics show an increase in applications from companies based in the Middle East and India, with these making up around half of all incoming applications. *GdCH*

IMCA D 011 Update

Annual audit of diving systems (for the UK continental shelf)

An IMCA workgroup established by the Diving Division Management Committee has been updating IMCA D 011 as an international document for the management of dive system assurance audits, using the suite of IMCA DESIGN documents.

The updated guidance aims to include the following:

- ◆ Details on the levels of system audits and descriptions of what each should consist of; how they should be carried out and by whom, i.e. baseline audit, annual third party audit, assurance/verification audit;
- ◆ Auditor training and competence; including an update of the current information note IMCA D18/01 as an appendix;
- ◆ DESIGN documentation ownership both onshore and offshore and how the documents should be managed and worked.

The draft revision is currently under final review and is hoped to be issued early in Q3 of this year. *PE*



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STCW review

The revised STCW Convention was signed off in June, and is expected to enter into force on 1 January 2012. There are a number of significant changes, which are summarised in the separate STCW article on page 5.

Lifeboat hooks

IMO has been continuing work to address incidents involving lifeboat on-load release hooks. However, there is still not enough information available about the root causes of hook failures, and IMO has now agreed to hold a separate

working group on lifeboat issues in October to make progress on the technical details for evaluating hook designs.

Enclosed space entry

IMCA has been participating in the correspondence group looking at the IMO recommendations for entering enclosed spaces aboard ships and will be following the debate on introducing mandatory monthly on board drills for confined space entry.

Cargo blending ban

IMCA has also been looking into concerns that an IMO cargo blending ban could have

unintended consequences for well intervention operations. The ban was originally aimed at tankers blending bio-fuels at sea, but could possibly be misinterpreted as applying to the type of offshore blending carried out by well stimulation vessels. IMCA will be urging IMO to make clear that the ban was not intended to apply to offshore operations.

A.673 review

IMO has agreed to a review of the *Guidelines for the transport and handling of limited amounts of hazardous noxious liquid substances in bulk on offshore support vessels (A.673 – the LHNS Guidelines)*. This should be a useful opportunity to bring the guidelines up to date and to resolve a number of compliance issues and IMCA members will have the chance to comment on any proposals when work starts in 2011.

For more details on IMO issues, please contact Emily.Comyn@imca-int.com

New Rope Forum

By the time this newsletter goes to press the first meeting of the IMCA Rope Forum will have been held.

So why has the Rope Forum been set up? As members are aware, exploitation of oil and gas pushes contractors to move into new areas, which means deeper waters and more challenges from the environment. Lifting operations are an inevitable part of this and have become more complex. Ropes of all types are common to lifting operations and are a vital component.

As was highlighted at the Winch Drum Workshop and Heave Compensation Workshop in Schiphol, The Netherlands, it seems that manufacturers are not always aware of the ways their products are used; neither are academics involved in developing formulae and regulatory requirements. This can result in some problematic issues.

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to establish an international industry forum where these and other related issues could be addressed. The main purpose is to establish a Rope Forum where:

- ◆ communications are improved between rope, crane and winch manufacturers and end users;
- ◆ information is more freely shared without adversely affecting commercial issues.

The agenda for the first meeting focuses on some key issues to start things moving.

The other workshops attracted people and organisations from outside the IMCA membership, with many joining IMCA as a result. It has become clear that there is significant synergy in the aims of manufacturers, regulators, classification societies, contractors, their clients, relevant organisations and trade associations. However, without meeting at the IMCA workgroups, they would not have realised how close those

aims were and how glad they were of each other's experience and contribution to their desired targets.

The Rope Forum aims to take this concept a stage further, attracting even more manufacturers and suppliers who are not yet IMCA members, but who have an enthusiastic interest in being involved. As with all experiments, we hold our breath, but in the next issue we hope to report back favourably. *PW*

SPS Code & Australia

A group of IMCA contractor members based in Australia has been looking into issues arising from Australia's implementation of the IMO Special Purpose Ships (SPS) Code. The Australian Maritime Safety Authority (AMSA) is enforcing SPS Code compliance for all offshore industry vessels operating in Australian waters, and this will apply to any vessel carrying more than 12 non-marine personnel (i.e.

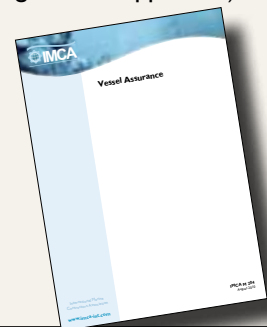
project personnel).

The previous version of the SPS Code was rarely implemented by flag states in respect of offshore vessels, and there are possible practical problems with designing new offshore construction support vessels to the 2008 Code, which it is hoped will be addressed in due course through interpretations being developed by the International Association of Classification Societies (IACS). IMCA has therefore been discussing with AMSA how to resolve possible non-compliances. AMSA has confirmed that it does have the ability to exempt vessels, if it can be demonstrated that equivalent measures have been put in place to mitigate any non-compliances with the SPS Code. Companies with non-compliant vessels should forward requests for a letter of acceptance with the relevant documentation to AMSA as soon as possible. *EC*

Vessel Assurance

IMCA has produced new guidance on vessel assurance, aimed at providing a systematic approach that encourages self-audit, promotes good record keeping and provides a means to demonstrate capability/status of compliance with identified requirements.

IMCA M 204 has been published in IMCA's normal format but is also available for downloading from the IMCA members-only website as a blank Excel file for vessel owners/operators to use, adapt and expand into an electronic record for their specific requirements. Additional printed copies, including the Excel version on CD, are available at £5.00 plus VAT for members and £10.00 plus VAT for non-members (plus delivery charge where applicable). *ABU*



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Guidance on DPO Training

Over recent years there have been significant developments in DPO training. Foremost was the consideration of guidance on the training and experience for personnel operating dynamic positioning systems at the IMO Standards of Training & Watchkeeping sub-committee meetings and its inclusion in the revisions to the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (the STCW Convention and Code). These are due to enter into force on 1 January 2012 and are fully covered in the STCW Review article on page 5).

The guidance on DPO training and experience will be included in Part B of the Code, which is not mandatory, and outlines the training and experience a DPO should

receive. It also mentions that others on board, such as electro-technical and engineer officers, may also require training and experience in DP. It is hoped that maritime administrations, if they do anything in this area, will recognise the Nautical Institute DPO training, experience and certification scheme. However the STCW revision does afford maritime administrations the opportunity to develop their own schemes.

The Nautical Institute has issued some documentation on the changes it intends to make to its DPO training, experience and certification scheme. From January 2011 an updated online system will be available on its website for DPOs to record relevant information online, track the status of their application and to pay for courier services for their logbooks and

certificates.

The Institute also proposes a minimum entry requirement to the DPO scheme of an Officer of the Watch (OOV) deck level and that no DP time gained prior to attending the induction/basic course will count towards the amount necessary for certification. These proposals are out for consultation before consideration at the next DP Training Executive Group meeting in November this year.

The implementation date for both would be the beginning of 2011.

Finally, the United States Coast Guard (USCG) has also been addressing the subject of DP. It is working on a supplemental notice of proposed rule making (SNPRM) and has tasked the National Offshore Safety Advisory Committee (NOSAC) with providing recommendations for DP

system design as well as engineering, operation and training standards. This work has been carried out by three small workgroups, which have included some IMCA members, and the recommendations are now in the hands of the USCG for further consideration and consultation. IG



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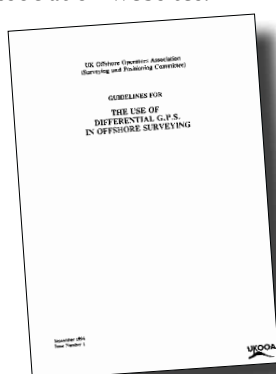


Discovering Digital Video Published

IMCA has published IMCA R 014/S 014 – *Discovering digital video – an introduction to digital video and its benefits*, a short companion document to IMCA's existing digital video document IMCA R 012/S 008 – *Digital video – a review of current and future technology*. This document was developed by a workgroup consisting of IMCA members and industry experts and is aimed at users of digital video within the wider marine contracting community – not only the oil and gas industry but also in the cable laying and renewable energy industries. The document provides a non-technical introduction to digital video with some basic concepts explained. It includes some useful feedback from users, in the form of case studies, to highlight the benefits of digital video. The document is available as a free download from the IMCA website www.imca-int.com/documents/divisions/survey/docs/IMCAS014.pdf. Paper copies of the document are available to purchase from IMCA in the usual way. NH

OGP/IMCA DGNSS Review Workgroup

In late 2008 a workgroup was formed comprising three members from IMCA and three from the International Association of Oil & Gas Producers (OGP), with further representatives from marine seismic contractors. The aim was to take forward a review of the 1994 *Guidelines for the use of differential GPS in offshore surveying*. A revision is considered necessary due to the tremendous pace of technological change since its publication and the document has been brought up to date to reflect modern satellite positioning practice. A completed draft document is scheduled for review by the Offshore Survey Division Management Committee and the OGP's Survey and Positioning Committee during the autumn. It is intended that the published document will be available to IMCA members and OGP members as a free download from both association websites. NH

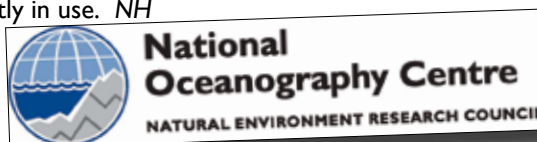


Committee Elections

The 2010 biennial election of the Offshore Survey Division Management Committee saw the re-election of Will Primavesi of Specialist Subsea Services as Chairman and Walter Steedman, Veripos, as Vice-Chairman. The Offshore Survey Division has grown considerably in size since it was set up in 1998 and our thanks go to the committee that has overseen its expansion, both in terms of the technical work programme and membership, reflecting the increased profile of the division. NH

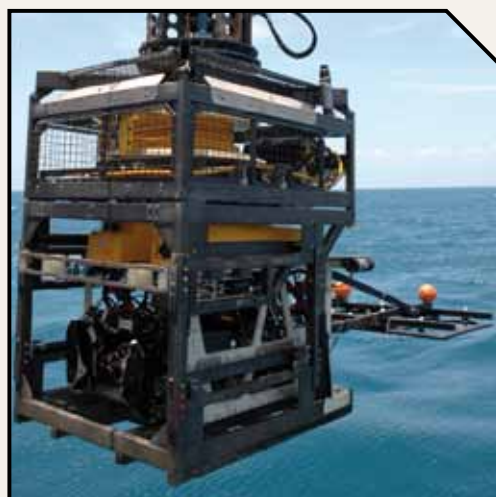
Unmanned Underwater Vehicle Showcase

Representatives from the secretariat will be attending the Unmanned Underwater Vehicle Showcase at the National Oceanography Centre in Southampton, UK, on 21-22 September. The event will include a workshop on interfacing equipment to AUVs and ROVs, which is of great interest to the ROV Committee, which is considering guidance on the varying types of interface currently in use. NH



ROV Installation Workshop

Following the successful workshop held during Oceanology International in March, the ROV Committee considered the development of guidelines on the installation of ROVs on rigs and vessels, designed to inform and educate vessel owners and operators on the requirements for safe and timely installation of ROVs. The Committee will be holding a further workshop on ROV installation issues, which is designed to take forward this work and draw out further information on the technical and managerial challenges which need to be addressed. The workshop will take place in Aberdeen on Wednesday 27 October 2010, following on from the next meeting of the Remote Systems & ROV Committee. NH





SPOTLIGHT ON ROY DONALDSON

Roy Donaldson is Chief Operating Officer for Topaz Marine and also serves as the Chairman of the IMCA Middle East & India Regional Section. In this article, he discusses his 'day job' and provides a personal insight into the work currently being undertaken by members in his region.



Please tell us about your company and what it does

I work for Topaz Marine, the offshore support vessel operating division of Topaz Energy and Marine. Topaz Marine is a leading vessel owner and operator with operations stretching across the Middle East, Caspian, North Africa and South East Asia. It operates around 100 vessels and supports blue-chip clients in the offshore energy industry.

Topaz Marine operates a fleet comprising anchor handling tugs, platform supply vessels, emergency recovery and response vessels, cable lay vessels, crew boats, ice breakers and specialised barges among others. Enjoying an award-winning reputation for safety and quality, Topaz Marine recorded zero LTIs (lost time incidents) for 2009 – a laudable achievement that serves as the benchmark for safety performance in the years to come.

Topaz Energy and Marine is one of the world's foremost marine services and oil and gas engineering companies with more than 35 years of experience in the Middle East. Topaz is a wholly owned subsidiary of Renaissance Services SAOG, a publicly traded company on the Muscat Securities Market.

What is your current job?

I'm Chief Operating Officer, based in Dubai and responsible for a fleet of 102 vessels with general managers reporting in from Doha, Azerbaijan, Kazakhstan and Turkmenistan.

How did you get to where you are in your career today?

I started as a deck boy, then I became a cadet with Blue Funnel. I worked with 'Blue Flue' through the 70s and 80s before joining the offshore subsidiary of OIL as Master on offshore supply vessels operating worldwide. In 1995 I joined Care Offshore as Superintendent before it was acquired by Seabulk Offshore in 1998, at which time I was Marketing Manager for West Africa. I was promoted to MD of operations in Nigeria – a challenging but extremely enjoyable position. In 2003 I moved to Switzerland to head up Global Operations but in 2004 I was offered a position by BUE to become GM in Baku, Azerbaijan. I remained there during the acquisition by Topaz and was promoted to COO for the Marine Division in 2008.

What do you see as the key areas affecting the industry at the moment?

This changes almost weekly, with one of the key issues now being the GOM disaster. However prior to that the recession, weak dollar and low oil

prices were all affecting oil companies in their ability to maintain field developments, which is a key factor in vessel occupancy. Topaz is quite fortunate in that 68% of our activities are long term contracts of seven to ten years, so we have not been affected as much as some of our colleagues with falling rates. However that is still very much an issue within our Middle East and North Africa regions.

The good news on this front is that field developments, as a rule, are only deferred and not cancelled. Other issues we have within the regions are as follows. One, several countries have national companies that are usually given preference through indiginisation/ cabotage requirements and are probably quite rightly awarded the lion's share of opportunities. Two, the standards which were accepted by some clients in the past were below the norm. Three, there is a great deal more older tonnage to compete against. Four, there is over tonnage of certain classes of vessel in certain areas.

“ The IMCA logo stands for quality ”

How can these issues be taken forward?

Firstly, Saudi Aramco – one of the major players in the region – is, amongst others,

setting high operating standards and hopefully more will follow suit. Secondly, the shipowners themselves should also be driving what is and is not acceptable in today's technologically advanced O&G industry. Finally, the shipowners have to bite the bullet and scrap old tonnage which will automatically raise standards.

“ We are a cyclical industry and the busy times will return ”

How do you think IMCA makes a difference?

IMCA has and continues to make a significant contribution with the introduction of the CMID and other common approaches across the industry. IMCA guidelines are and always will be an issue. We are not a policing Association – neither do we want to be – but we need to promote the idea that the IMCA logo stands for quality and common requirements which all members should strive to achieve.

How do you see the future?

Common requirements throughout the industry and a much more modern and capable fleet. The recession is affecting the oil and gas companies quite badly, however we are a cyclical industry and the busy times will return.



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makingwaves

The views expressed on these pages are those of their respective authors and do not necessarily reflect the policies or positions of IMCA itself.

Editing, design, artwork and build: Andy Butler



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Welcome to the IMCA Directory!

The following pages contain details of IMCA's recent publications, safety flashes and information notes, as well as the members of IMCA's various management committees and a list of current members.

More details and links to the websites of some of our members can be found at www.imca-int.com/members

The directory is compiled in advance of *Making Waves* going to print and is correct as at the date stated.

The below summary of recent IMCA documentation keeps all members updated on activities throughout IMCA.

If you would like a copy of any document, or for further information, please contact the secretariat.

NEW PUBLICATIONS

- ◆ **Vessel Assurance**
(IMCA M 204)
- ◆ **Discovering digital video: An introduction to digital video and its benefits**
(IMCA S 014, IMCA R 014)

SAFETY FLASHES

- ◆ **Safety flash 03/10** – covering four incidents: Incident during entry to diving bell; Uncontrolled ascent – loss of lift bag to surface; Gangway failure; Missing dangerous goods declaration
- ◆ **Safety flash 04/10** – covering six incidents: Person injured by mooring lines; Falling object; Serious shortcomings with hydrostatic release units; Failure of life rafts during servicing; CO₂ systems safety pins; Failure of fixed high expansion foam
- ◆ **Safety flash 05/10** – covering five incidents: Near miss: burnt out electrical socket; Water ingress to bow thruster space; Diver injury during air cylinder recharging; Near miss: crane wire grease and headache ball; Oxy-arc umbilical handling winch – fire on deck

INFORMATION NOTES

COMPETENCE & TRAINING

- IMCA C&T 03/10 ISM Code Amendments – 1 July 2010
- 04/10 IMCA Competence Framework: Recognition of Competence of Personnel between Contractors
- 05/10 Revised Standards of Training, Certification and Watchkeeping (STCW) for Seafarers Convention and Code

SAFETY, ENVIRONMENT & LEGISLATION

- IMCA SEL 15/10 New IMO Energy Efficiency Requirements for Ships: Feedback Required
- 16/10 ISM Code Amendments – 1 July 2010
- 17/10 Summary of 2009 Safety Statistics for Members
- 18/10 Safety Statistics for IMCA Members: Report for the Period 1 January-31 December 2009
- 19/10 Safety Flashes and Alerts – Advice for Members
- 20/10 Revised Standards of Training, Certification and Watchkeeping (STCW) for Seafarers Convention and Code
- 21/10 Election Results: SEL Core Committee
- 22/10 Draft for Issue 6 of the United Kingdom Offshore Operations Association (UKOOA) Guidelines for Management of Offshore Helideck Operations

DIVING DIVISION

- IMCA D 05/10 Diver and Diving Supervisor Certification
- 06/10 Means to Demonstrate Compliance to IMCA Guidelines: For Contractor Members of the Diving Division
- 07/10 World-Wide Diving Statistics for IMCA Members: Statistics for 2009

MARINE DIVISION

- IMCA M 15/10 Dynamic Positioning Training Executive Group (DPTEG)
- 16/10 New IMO Energy Efficiency Requirements for Ships: Feedback Required
- 17/10 ISM Code Amendments – 1 July 2010
- 18/10 Dynamic Positioning Training Executive Group (DPTEG)
- 19/10 Common Marine Inspection Document (CMID) Database
- 20/10 Revised Standards of Training, Certification and Watchkeeping (STCW for Seafarers Convention and Code)
- 21/10 Draft for Issue 6 of the United Kingdom Offshore Operations Association (UKOOA) Guidelines for Management of Offshore Helideck Operations

OFFSHORE SURVEY DIVISION

- IMCA S 02/10 Election Results: Offshore Survey Division Management Committee

REMOTE SYSTEMS & ROV DIVISION

- IMCA R 02/10 World-wide ROV Personnel and Vehicles – Statistics for 2009

COMMITTEE MEMBERS

To achieve its objectives and deliver its work programme, IMCA relies on elected member representatives who serve on the committees listed below as well as various individuals active on workgroups around the world.

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IMCA Tech. Director: Jane Bugler

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Jim Knight, Heerema Marine Contractors

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Pete Fougere, Transocean

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George Robertson, Fugro-Rovtech

Hilary Cliffe/Julian Nelson, Fugro Survey

David Moxey, Northern Marine Management

David Foster, Saipem

Paul Gleisner, Schilling Robotics

Gavin Smith, Subsea 7

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Middle East & India: Mohamed Omar, INW

North America: Tony Greenwood, Cal Dive International

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Andrew Culwell, Acergy

Raffaele Mascia, Allseas

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Joe McWilliam, Hallin Marine

Wallace Robertson, Helix ESG

Sal Ruffino, Saipem

Alan Forsyth, Subsea 7

John Greensmyth, Technip

Asia-Pacific: Des Power, Subsea 7 Asia Pacific

Middle East & India: Mohamed Osman, Maridive

North America: Greg Payne, Heerema Marine Contractors

IMCA MEMBERS LIST

as at 19 August 2010

IMCA WELCOMES THE FOLLOWING NEW MEMBERS

◆ ABB AS, Marine Division

◆ Adsun Offshore Diving Contractors Pvt Ltd

◆ Beerenberg Inc

◆ Cescor srl

An engineering company providing expert personnel and instrumentation for the inspection of oil and gas infrastructures, and reports including risk assessment studies and design of new and retrofit cathodic protection systems.

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Tel: +39 02 26 41 25 38

◆ Compass Personnel Services Inc

A worldwide personnel agency certified to ISO 9001, headquartered in Houston, supplying consultants and contractors to the ROV, diving, survey & hydrographic, geophysical and offshore construction sectors. Offices are also based in the UK, Canada and Singapore.

Web: www.compassoffshore.com

Tel: +1 28 13 95 50 76 (USA Office)

◆ Divetechservice Ltd

A company serving the diving equipment market for 19 years specialising in providing engineering, expertise and the most modern equipment available in carrying out complex underwater projects.

Web: www.diveservice.ru

Tel: +7 812 323 90 34

◆ Egyptian Company for Oil Services (ECOS)

Founded in 1971, ECOS conducts offshore survey services, from the provision of experienced personnel and equipment to support others maintaining their quality assurance to turnkey solutions for positioning and/or survey requirements.

Web: www.ecosur.com

Tel: +20 35 82 60 06

◆ HydroDive Nigeria Ltd

◆ HydroDive Offshore International Ltd

◆ IHC Offshore & Marine BV

A specialised shipbuilding and design company, based in the Netherlands, utilising modern facilities, in-house engineering, fabrication and project management, economic ship design and modern planning tools.

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◆ Instituto Brasileiro de Petróleo, Gás e Biocombustíveis (IBP)

A non-profit organisation whose objective is to promote the development of a competitive, sustainable, ethical and socially responsible industry. The IBP's activities and products are supported by 60 committees, relying on the voluntary work of about 1,000 industry professionals.

Web: www.ibp.org.br

Tel: +55 21 21 12 90 00

◆ Italian Maritime Academy Technologies

◆ Maritime State University named after G.I. Nevelskoy (MSU)

Training specialists of all levels required for the maritime industry, the MSU pays a great attention to international relations development, and has concluded more than thirty agreements with Australia, North America and Asia.

Web: www.msun.ru

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◆ Nippon Steel Engineering Co Ltd

A marine construction company with services including EPC contracting, engineering, project management, fabrication, installation, hook-up, commissioning and maintenance; laying of submarine pipelines; engineering, fabrication and installation of platforms.

Web: www.nsc-eng.co.jp/english

Tel: +65 62 78 83 12

◆ NSW Technology Ltd

◆ Oceaneering Marine Production Systems do Brasil

A global oilfield provider of engineered services and products with a focus on deepwater applications. Key offerings in Brazil include ROVs and services, umbilicals and services (Multiflex), deepwater technology solutions and inspection services.

Web: www.oceaneering.com.br

Tel: +55 21 27 29 89 00

◆ ODS-Petrodata Pte Ltd

Providing market intelligence to the upstream offshore oil and gas industry since 1973 and committed to delivering high-quality market intelligence, data, publications and analysis tools to the energy sector.

Web: www.ods-petrodata.com

Tel: +65 68 90 16 16

◆ Overseas AST Co LLC

◆ PBJV Group Sdn Bhd

◆ Project Maritime Training

◆ PT Rigspek Perkasa

◆ Shanye Marine Services Co Ltd

Specialising in underwater NDT inspection, installation, maintenance & disassembly, cleaning and engineering for offshore structures. Shanye Marine holds in-water survey certificates from CCS, ABS, DNV, BV & NK, and provides high quality services with strict HSE standards.

Web: www.shanye.com.cn

◆ STAT Marine SAS

◆ Surf Subsea Inc

◆ Taste of Imagination – Inspection Technology Lda

◆ Trico Marine Group (CTC Marine, DeepOcean and Trico Offshore) – Asia-Pacific

◆ Unimar Ltd

◆ Verret Marine Services

RECENT NAME CHANGES

◆ Neptune Marine Services is now Neptune

◆ Sea Team Solutions Pte Ltd is now part of K2 Specialist Services Pte Ltd

INTERNATIONAL CONTRACTORS

Aceryg

Allseas Group SA

Global Industries

Heerema Marine Contractors

Helix Energy Solutions Group, Inc.

J Ray McDermott

Saipem

Subsea 7

Technip

CONTRACTORS

Abel

Aceryg Asia Middle East

ACSM

Adams Offshore Services Ltd

Adsun Offshore Diving Contractors Pvt Ltd

Advanced Energy Systems (ADES)

Ajang Shipping Sdn Bhd

Aker Marine Contractors AS

Aker Marine Contractors Inc.

Aker Oilfield Services

Alam Subsea Pte Ltd

Allied Marine & Equipment Sdn Bhd

AlMansoori Production Services LLC

Andrews Survey

Aqua Diving Services

Arab Tanker Services

Arabian Gulf Mech. Svcs & Ctrg Co. Ltd

Arctia Shipping Ltd

Arena Sub srl

Argus Remote Systems AS

ATCO Ports Management & Marine Services

Atlantic Towing Ltd

Atwood Oceanics Pacific Ltd

Awaritse Nigeria Ltd

B+H Equimar Singapore Pte Ltd

BEKK Solutions Ltd

Bibby Offshore

BJ Services Co. Middle East Ltd

Bluestream Offshore BV

Bluewater Energy Services BV

Boskalis Offshore

Bourbon

Brodospas dd

Bumi Armada Berhad

C&C Technologies

C&C Technologies Inc.

Cal Dive International Inc.

Cal Dive International Pte Ltd

Cal Dive International Pte Ltd – ME

Canship Ugland Ltd

Cape Diving

Caspian Sea Oil Fleet (CSOF)

CDMS Ltd

CDS Subsea Pte Ltd

Celtic Africa Ltd

CH Offshore Ltd

Clough Oil & Gas

CNS International srl

CCC (Underwater Engineering) SAL

Copetech–SM

Coral Alliance Sdn Bhd

COSL Drilling Europe AS

CUEL Ltd

Dalgidj Private Company

DCN Diving BV

DCN Global LLC

Diamond Offshore Drilling Inc

DNT Offshore srl

Dockwise

DOF Management AS

DOF Subsea (Australia & Asia Pacific)

DOF Subsea Brasil Serviços Ltda

DOF Subsea Norway AS

DOF Subsea UK Ltd

DOF UK Ltd

Dolphin Drilling Ltd

Dolphin Offshore Enterprises (India) Ltd

Dulam International Ltd

Dunnimaa Engineers & Divers Ent. Pvt Ltd

EDT Marine Construction Ltd

EDT Shipmanagement Ltd

EGS (Asia) Ltd

Eidesvik AS

EMAS Offshore Pte Ltd

ER Offshore GmbH & Cie. KG

Fairmount Marine bv

Far Eastern Shipping Company

Farstad Shipping ASA

Five Oceans Services GmbH

Fugro Marine Services bv

Fugro SAE

Fugro Subsea Services Pte Ltd

Fugro Survey (India) Pvt Ltd

Fugro Survey (Middle East) Ltd

Fugro Survey Ltd

Fugro Survey Pte Ltd

Fugro–Rovtech

Galliano Marine Service LLC

GAS Geological Assistance & Services srl

GEMS International NV – Abu Dhabi

GeoLab Limited Abu Dhabi

GeoLab srl

GEOTeam srl

Global Marine Services

Global Marine Systems Ltd

GO Offshore

GOGAS Gulf Oil and Gas LLC

Great Offshore Ltd

Greatship (India) Ltd

Gulf Dredging & General Contracting Co.

Gulf Marine Services

Gulf Offshore (North Sea) Ltd

Gulmar Offshore Middle East LLC

HAL Offshore Ltd

Hallin Marine

Hallin Marine UK Ltd

Halul Offshore Services Company

Harbor Star Shipping Services Inc

HEISCO

Horizon Survey Company (FZC)

Hornbeck Offshore Operators LLC

Hull Support Services Ltd

Huta Marine Works Ltd

HydroDive Nigeria Ltd

HydroDive Offshore International Ltd

IDMC srl – Impresub Diving & Marine

IKM Subsea AS

Impresub International LLC

Inspectahire Instrument Co Ltd

Integrated Subsea Services AP Pte Ltd

Integrated Subsea Services Ltd

International Marine Works – Alexandria

International Naval Works – Abu Dhabi

IOTA–Survey

IRSHAD

Island Offshore Management AS

Jack-Up Barge BV

Jifmar Offshore Services

Jumbo Offshore VoF

KD Marine Ltd

Khalifa A Algosaibi Diving & Marine

Services

Knutsen OAS Shipping AS

Kreuz Subsea Pte Ltd

Lamnalco Group

Lauritzen Offshore Services AS

LD Travocean

LLP FSDS

Louisiana Overseas Inc

Maersk Drilling

Maersk Supply Service

Maridive & Oil Services

Maridive & Oil Services (SAE)

Maridive Offshore Projects

Marine Consulting

Marine Subsea (UK) Ltd

Marine Subsea AS

Maritime & Underwater Security

Consultants (MUSC)

Master Tech Diving Services

MENAS – Middle East Navigation Aids Service

Mermaid Marine Australia Ltd

Mermaid Offshore Services Ltd

Miclyn Express Offshore Pte Ltd

MMT (Marin Mätteknik AB)

Mohn Drilling AS

Mutawa Marine Works Est
National Marine Dredging Co
NPCC Survey
NDE – Nordisk Dyk Entreprenad AB
Neptune
Neptune Survey Expedition ehf
Newcruz Offshore Marine Pte Ltd
Nexans Norway AS – Energy Division
Nippon Steel Engineering Co Ltd
Noordhoek Offshore BV
NOR Offshore Ltd
Northern Marine Management Ltd
Ocean Works Asia Inc.
Oceaneering International (UK)
Oceaneering International Asia Pacific
Oceaneering International Inc.
Oceaneering Marine Prod. Systems do Brasil
OceanWorks International Inc
Octomar
Odjfell Drilling
Offshore Geo-Surveys Sdn Bhd
Offshore International FZC
Offshore Manpower SA
Offshore Marine Management Ltd
Offshore Marine Services Pty Ltd
Offshore Oil Engineering Co. Ltd (COOEC)
Offshore Subsea Services
Offshore Subsea Works Sdn Bhd
Offshore Technology Solutions Ltd
Olympic Shipping AS
Orogenic GeoExpro Sdn Bhd
OSM Offshore AS
Pacific Crest Pte Ltd
Pacific Richfield Marine Pte Ltd
PBJV Group Sdn Bhd
Pelican Offshore Services Pte Ltd
Petra Resources Sdn Bhd
Petroleum Marine Services Company
PFCE Ocean Engineering Sdn Bhd
Phoenix International
Pride International
Prosafe Offshore Ltd
PT Advanced Offshore Services
PT Calmarine
PT Ekanuri Indra Pratama
PT Lancar Rejeki Berkas Jaya
PT Patra Dinamika
PT Prima Mitranata
PT Samudera Biru Nusantara
PT Wintermar
PW Group
Rana Diving spa
RBG Ltd
REM Offshore ASA
Riise Underwater Engineering AS
Riise Underwater Engineering AS – AP
Riise Underwater Engineering AS – ME&I
Rolv Berg Drive AS
ROV Service di Rocco Fabio
Rubicon Offshore International Pte Ltd
Sahara Petroleum Company
SAL Shipping
Sapura Diving Services Sdn Bhd
Sarku Engineering Services Sdn Bhd
SAROST SA
SBM Offshore NV
SC Grup Servicii Petroliere SA
SC Shark SRL
Sea Trucks Group – Asia-Pacific
Sea Trucks Group – Europe & Africa
Sea Trucks Group FZE
Seabed AS
Seacor Marine (International) Ltd
Seadrill Americas Inc
Seadrill Management AS
Seahorse Services Co Ltd
Sealion Shipping Ltd
SEAMEC
Searow Offshore
Seascope Surveys Pte Ltd
Seatrans AS
Seatrax Singapore Pte Ltd
Seaway Heavy Lifting Engineering BV
Seaways International LLC
Seaworks Ltd
Sevan Drilling Pte Ltd
Shanye Marnie Services Co Ltd
Siem Offshore AS
SMIT
SMIT Subsea Africa
SMIT Subsea Asia-Pacific
SMIT Subsea Europe
SMIT Subsea Middle East LLC

Solstad Offshore Ltda
Solstad Shipping AS
Specialist Subsea Services Ltd
Stapem Offshore SA
Stena Drilling Limited
Subocean Group Ltd
Subsea 7 Asia Pacific
Subsea Petroleum Services
Subtech (Pty) Ltd
Subtech Qatar Diving and Marine Services LLC
Supreme Hydro Engineering Pvt Ltd
SURF Subsea Inc
Switzer
Swire Pacific Offshore Operations Pte Ltd
Target Engineering Construction Co.
Taste of Imagination – Inspection Tech. Lda
Technip Oceania Pty Ltd
Technip USA, Inc.
Technocean AS
Tecnosub
Teekay Norway AS
Tidewater Inc.
Tidewater Marine North Sea Ltd
Tideway Marine & Offshore
Timsah Shipbuilding Company
TL Geohydrographics Sdn Bhd
Topaz Marine
Topaz Marine – Azerbaijan
Topaz Marine – Kazakhstan
Topaz Marine MENA
Total Marine Technology Pty Ltd
Transocean
Transoceanic Cable Ship Company Inc.
Trico Marine Group (CTC Marine,
DeepOcean and Trico Offshore) – AP
Trico Marine Group (CTC Marine,
DeepOcean and Trico Offshore) – E&A
Trico Marine Group (CTC Marine,
DeepOcean and Trico Offshore) – NA
Troms Offshore AS
TSMarine Pty Ltd
UMC International plc
Underwater Services Company Ltd
Unimar Ltd
URS nv
UTEC Survey Asia Pte Ltd
UTEC Survey, Inc.
V.Ships Ltd
Van Oord Offshore BV
Varun Shipping Company Ltd
Vector Offshore Ltd
Veolia Environmental Services Special Svcs
Visser & Smit Marine Contracting bv
Vroon Offshore Services BV
VTT Maritime
Wagenborg Offshore BV
Wilhelmsen Ship Management (Norway) AS
Workshops Contractors BV
Zakher Marine International
Zamil Offshore Services Company

SUPPLIERS

Suppliers of equipment

ABB AS, Marine Division
ABB Ltd
ABB Pte Ltd
AC Plus Marine Inc.
Advanced Marine
Ageotec srl
Air Liquide America Specialty Gases LLC
Air Liquide UK Ltd
Air Products Middle East FZE
Air Products plc
Air Products Singapore Pte Ltd
Analox Sensor Technology Ltd
Arab Tanker Services
Arabian Industrial Gases Company
Ashtead Technology (SEA) Pte Ltd
Balmoral Offshore Engineering
Beerenberg Inc
Bridon
Brunvoll AS
CAPE Group Pte Ltd
Chesterfield Special Cylinders Ltd
Clough Oil & Gas
CMC Industries
Comanex SAS
Converteam UK Ltd
CUEL Ltd
D&R Boats Pte Ltd
Divetechnoservice Ltd
Divex Asia Pacific
Divex FZE
Divex Ltd

Dominion Gas
Dominion Gas Asia Pacific Pte Ltd
Dräger Safety
Drass Galeazzi Underwater Technology Srl up
Drexel Oilfield Equipment
Eastar Offshore Pte Ltd
Fincantieri Cantieri Navali Italiani spa
Foundation Associates Engineering Pte Ltd
Franklin Offshore International Pte Ltd
Fugro GRL
Global Gases & Chemicals FZCO (Dubai)
Global Gases Australia Pty Ltd
Global Gases Group Singapore Pte Ltd
Global Gases South Africa (Pty) Ltd
Global Marine Systems Ltd
Great Offshore Ltd
Guidance Navigation Ltd
Hydratight Ltd
Hyperbaric Technology BV (Hytech)
IXSEA
JV Automarine
Kenz Figee BV
Kirby Morgan Dive Systems
Kongsberg Maritime AS
Kongsberg Maritime Ltd
KTL Offshore Pte Ltd
Kystdesign AS
L-3 Communications
Lexmar Engineering Pte Ltd
MacGregor Hydramarine AS
Mako Technologies LLC
MCS Free Zone
Measurement Devices Ltd
Nautronix Ltd
Navis Engineering OY
NSW Technology Ltd
Oceanscan Ltd
Offshore Joint Services
Offshore Logistics (Asia Pacific) Pte Ltd
Pacific Commercial Diving Supply Pty Ltd
Pacific Crest Pte Ltd
Perry Slingsby Systems Inc.
Perry Slingsby Systems Ltd
Pommec TDE BV
Proserv Offshore
PT Advanced Oil & Gas Consulting
Redaelli Tecna spa
Rolls-Royce Marine AS
Rolls-Royce Oy Ab
Rolv Berg Drive AS
Rovsco Asia Pte Ltd
Saab Seaeeye Ltd
SBM Offshore NV
Schilling Robotics, Inc.
Sea and Land Technologies Pte Ltd
Sea Trucks Group FZE
Seaflex Ltd
Sealion Shipping Ltd
Seanetics Asia Works Pte Ltd
Seaswift Subsea Engineering LLC
Seatools BV
Serimax Ltd
Siem Offshore AS
Skan-EI AS
Solstad Shipping AS
Sonardyne Asia Pte Ltd
Sonardyne International Ltd
Submarine Manufacturing & Products Ltd
SubNet Services Ltd
Subsea Vision Ltd
Sundan Offshore Pvt Ltd
TGH AP Pte Ltd
The Tritanium Company bv
Totalmat Indústria e comercio de Equipamentos Hiperbáricos Ltda
Trelleborg Protective Products AB
Trico Marine Group (CTC Marine,
DeepOcean and Trico Offshore) – E&A
Trim Systems Pte Ltd
TSMarine Pty Ltd
Ulstein Marine System (Shanghai) Co Ltd
Underwater Technology Services (S) Pte Ltd
Unique Hydra
Unique System FZE
United Oil Company (Unico)
Vanguard Offshore Pte Ltd
Vroon Offshore Services Ltd

Suppliers of services

Abermed Ltd
Advanced Marine
Advanced Offshore Contractors Pvt Ltd
Air Products Singapore Pte Ltd

Alfa Petroleum Services
Alliance Marine Services
Anglo-Eastern Group
Anglo-Eastern Group (Asia-Pacific Region)
ASP Rope Access
Auto Dynamic Positioning Services
Bahrain Ship Repairing and Engineering Co.
Beerenberg Inc
Blade Offshore Services Ltd
Blue Water Engineering (M) Sdn Bhd
Bluewater Energy Consultants Ltd
Braemar Falconer
Braemar Howells Ltd
C-MAR Group
CAPE Group Pte Ltd
Cescor srl
Construction Specialists Ltd
Cosalt
Creative Offshore Yard Pvt Ltd
Deep Diving Consultancy Ltd (DDC Ltd)
Delta Marine Technologies Inc
Derrick Services (UK) Ltd
Divetechnoservice Ltd
Diving and Offshore Works Consultancy
DMC Offshore
DOF UK Ltd
DRC Dive Systems
Drexel Oilfield Equipment
Egyptian Company for Oil Services (ECOS)
El-Automation AS
EnerMech Ltd
ETPM Ltd
Explorer Marine SBoSS ApS
Fender & Spill Response Services
Flinders EMA Pte Ltd
Franklin Offshore International Pte Ltd
Global Maritime
Global Maritime Singapore
GW & Associates Ltd
Houlder Insurance Services Ltd
IHC Offshore & Marine BV
Imes Ltd
Inchcape Shipping Services
Inchcape Shipping Services (S) Pty Ltd
Inchcape Shipping Services – North America
Inchcape Shipping Services – South America
Inchcape Shipping Services Ltd
Independent Risk Solutions BV
Inter Mar Technology Ltd
InterMoor Marine Services Ltd
Interocean Marine Services Ltd
Italian Maritime Academy Technologies
K2 Specialist Services Pte Ltd
KB Associates Pte Ltd
Kennedy Marr Ltd
Lexmar Engineering Pte Ltd
London Offshore Consultants Ltd
M3 Marine Pte Ltd
Marex Marine Services Ltd
Marine Cybernetics
Marine Solutions (Pty) Ltd
Maritime Management Services Inc
MatthewsDaniel
MCS Free Zone
MJR Controls Ltd
Modular Underwater Systems Ltd
MOS Marine Offshore Services Pte Ltd
National Hyperbaric Centre
Nautronix Ltd
Navigare International Inc.
NBB Dredging & Engineering
Noble Denton & Associates Serviços Marítimos Ltda
Noble Denton Consultants Ltd
Noble Denton Marine, Inc.
Noble Denton Middle East Ltd
Noble Denton Singapore Pte Ltd
NUI AS
ODS-Petrodata Pte Ltd
Offshore Commissioning Solutions
Offshore Joint Services
Offshore Technical Management Solutions Int.
Optimus Safety Management Ltd
Orwell Offshore Ltd
PAE Singapore Pte Ltd
PEM Offshore Ltd
Perry Slingsby Systems Ltd
Peterson SBS Den Helder BV
Promarine Ltd
PT Advanced Oil & Gas Consulting
PT Rigspk Perkasa
PT Sirius Maritimindo Services
QinetiQ

Reel Group Ltd
 Rolls-Royce Power Engineering plc
 Schilling Robotics Ltd
 Schilling Robotics, Inc.
 Seacroft Marine Consultants Ltd
 Seanetics Asia Works Pte Ltd
 Sebastian AS
 Sigma Offshore Ltd
 Skan-El AS
 Skuld AS
 Soil Machine Dynamics Ltd
 Solstad Offshore Ltda
 Sparrows Offshore Services Ltd
 Spica Marine Inspections Ltd
 STAT Marine SAS
 Sub-Tech Systems Ltd
 SubNet Services Ltd
 Subsea Vision Ltd
 Survey Association
 The Tritanium Company bv
 Thome Offshore Management Pte Ltd
 Tigrans SA
 Tristein AS
 Underwater Technology Services (S) Pte Ltd
 United Oil Company (Unico)
 Vassnes MB Consultants AS
 Veripos
 Verret Marine Services
 Viking Moorings Ltd
 Vroon Offshore Services Ltd
 Wartsila Electrical & Automation Services
 Wavespec Ltd
 Xing Wei Pte Ltd

Personnel agencies

Ace Diving Services CC
 Advanced Offshore Contractors Pvt Ltd
 Alfa Petroleum Services
 Aqua Omega Services Pvt Ltd
 Atlas DOOR
 Atlas Services Group Australia Pty Ltd
 Bibby Ship Management Group Ltd – E&A
 Bibby Ship Management Group Ltd – ME&I
 careeroffshore.com
 Compass Personnel Services Inc
 Dave Oliver Hydrographic Services Ltd
 De Moura Shipping Ltda
 Drexel Oilfield Equipment
 Flare Project Services LLC
 Hydrosud Ltd
 IOS (International Offshore Services)
 Lerus Ltd
 Maritech Group
 MJD (North East) Ltd
 Naurex Resources
 Nautech Services Ltd
 Offshore Marine Services UK Ltd
 OilExec International
 Oilfield Medics UK Ltd
 Petrolis
 Pharos Offshore Group Ltd
 PR Offshore Services Ltd
 ROVIN Marine Ltd
 Seatek India
 Sheffield Offshore Services Pte Ltd
 SubNet Services Ltd
 SubNet Services Ltd – Asia-Pacific
 SubServPro
 The Underwater Centre Fremantle Pty Ltd
 Tigrans SA
 Total Marine Services
 UK Project Support Ltd
 Underwater Engineering Ltd

Training establishments

Aberdeen Skills & Enterprise Training Ltd
 Abyss AS
 AdriaMare Maritime Training Center
 Ålesund University College
 AMC Search Ltd
 Banff & Buchan College
 Bergen University College – Diver Education
 Bibby Ship Management Group Ltd – E&A
 Bibby Ship Management Group Ltd – ME&I
 Bonifacio Srl
 Centre for Marine Simulation
 CFO – Centro Formazione Offshore
 Commercial Diving Academy
 Daniels Maritime Group
 De Moura Shipping Ltda
 Delphinus Services Ltd – ROV Training
 Division
 Divers Academy International
 Divers Institute of Technology

Divers University Esporte Aquático Ltda
 Diving Diseases Research Centre
 Falck Nutech bv
 Force Technology
 Fundação Homem do Mar
 Global Marine Systems Ltd – Subsea Training
 Holland College – Marine Training Centre
 Hydratight Ltd
 Hydrolab-HydroCAT
 i-UTech – Institute for Underwater
 Technology and Human Resource
 IDESS Maritime Centre (Subic) Inc.
 Institut National de Plongée Professionnelle
 Interdive Services Limited
 ISFORM
 KB Americas LLC
 KBA Training Centre Pte Ltd
 Kirby Morgan Dive Systems
 Marine Solutions (Pty) Ltd
 Maritech Group
 Maritime Institute Willem Barentsz
 MSU named after G.I. Nevelskoy
 Maritime Training & Competence Solutions Ltd
 Marseille Maritime Academy
 MOG Industry Training Co. Ltd
 MSTs Asia Sdn Bhd
 National Hyperbaric Centre
 National Oceanography Centre
 Netherlands Diving Centre
 Noble Denton Consultants Ltd
 North Sea Lifting Ltd
 Offshore Skills Training Centre (OSTRAC)
 Perry Slingsby Systems Inc.
 PetroVietnam Manpower Training College
 PNI Training Centre AS
 Power & Generation Services
 Professional Diving Academy
 Professional Diving Centre
 Project Maritime Training
 PT Barron International
 PT ISBI
 PVD Technical Training and Certification
 Joint Stock Company
 Satakunta University of Applied Sciences
 SBS International Ltd
 SEADOG
 Seahorse Services Co Ltd
 Seneca College – Underwater Skills Program
 Ship Manoeuvring Simulator Centre AS
 Skilltrade BV
 SMTc Global Inc.
 Sogn og Fjordane Technical College, Maritime
 Department Måløy
 Stord/Haugesund University College
 SubNet Services Ltd
 SubNet Services Ltd – Asia-Pacific
 Survie Mer Formation
 TGH AP Pte Ltd
 The Dynamic Positioning Centre Ltd
 The Faraday Centre Ltd
 The Ocean Corporation
 The Underwater Centre (Tasmania) Pty Ltd
 The Underwater Centre Fort William Ltd
 The Underwater Centre Fremantle Pty Ltd
 The Underwater Training Centre – S Aus
 Underwater Engineering Ltd
 WA Maritime Training Centre – Fremantle
 YAK Diving Academy

Naval units

Irish Naval Service
 Royal Saudi Navy Forces
 Salvage & Marine Operations IPT

CORRESPONDING MEMBERS

Abu Dhabi Marine Operating Company
 Agip Kazakhstan N Caspian Operating Co NV
 AISI
 Aker Exploration AS
 Azerbaijan International Operating Company
 Bahamas Maritime Authority
 Bapco – The Bahrain Petroleum Company
 BG Americas and Global LNG – C&SA
 BG Americas and Global LNG – NA
 BG Group
 BHP Billiton
 BP America Production Company
 BP Berau
 BP Exploration Operating Company Ltd
 Brunei Shell Petroleum Company Sdn Bhd
 Cairn Energy India Pty Ltd
 Chevron Brasil Petroleo Ltda
 Chevron Energy Technology Company
 Subsea

Chevron Nigeria/Mid-Africa
 Chevron Shipping Co.
 Chevron Thailand Exp. & Production Ltd
 CNR International UK Ltd
 ConocoPhillips
 ConocoPhillips (UK) Ltd
 ConocoPhillips China
 Dana Petroleum plc
 Department of Labour (South Africa)
 Det Norske Veritas
 Dolphin Energy Ltd
 Esso Australia Pty Ltd
 GDF Suez E&P Nederland bv
 Germanischer Lloyd AG
 Gulf of Suez Petroleum Company (GUPCO)
 Health & Safety Authority
 Husky Energy
 IBP
 International Diving Schools Association
 IDPOA
 Kuwait Oil Company
 Lloyd's Register EMEA
 Maersk Oil Qatar AS
 Mobil North Sea Ltd
 Murphy Sarawak Oil Co. Ltd
 National Offshore Petroleum Safety
 Authority
 Nautilus Minerals
 Nederlandse Aardolie Maatschappij BV
 Nexen Petroleum UK Ltd
 Oil & Natural Gas Corporation Ltd
 Perenco UK Ltd
 Pertamina Hulu Energi ONWJ Ltd
 Petro Canada Netherlands BV
 Petrobras
 Premier Oil Natuna Sea
 Premier Oil ONS Ltd
 PTT Exploration & Production plc
 Qatar Petroleum
 Ras Laffan Industrial City
 Sarawak Shell Berhad
 Shell Int. Exploration & Production bv
 Shell Petroleum Dev. Co. of Nigeria Ltd
 Shell Todd Oil Services Ltd
 Sonangol Pesquisa & Produção
 Statoil ASA
 Suncor Energy Inc.
 Talisman Energy (UK)
 Talisman Malaysia Ltd
 Total Austral (Argentina)
 Total E&P Nederland BV
 Total E&P UK Ltd
 Total E&P Indonesia
 Total Exploration & Production
 Wintershall Noordzee BV
 Woodside Energy Ltd
 Zakum Development Company (ZADCO)



FORTHCOMING EVENTS

- 13-16 September
Rio Oil & Gas Expo
Rio de Janeiro, Brazil
- 14 September
Central & South America Section
Rio de Janeiro, Brazil
- 20 September
Middle East & India Section
Jebel Ali, UAE
- 21 September
India Briefing Seminar
Mumbai, India
- 21-22 September
Unmanned Underwater Vehicle Showcase
Southampton, UK
- 7 October
Europe & Africa Section
Amsterdam, The Netherlands
- 7 October
Renewables Workshop
Amsterdam, The Netherlands
- 12-13 October
MTS Dynamic Positioning Conference
Houston, USA
- 12-14 October
Deepwater Southeast Asia Congress
Kuala Lumpur, Malaysia
- 24-26 October
Canadian Underwater Conference
Toronto, Canada
- 27 October
ROV Installation Workshop
Aberdeen, UK
- 27-28 October
China Offshore Engineering Summit
Shanghai, China
- 22-23 November
Delivering value in marine operations
IMCA Annual Seminar
Dubai, UAE
- 30 November-2 December
Deep Offshore Technology International
Amsterdam, The Netherlands
- 30 November-3 December
Offshore South East Asia
Suntec, Singapore
- 22-24 February 2011
Subsea Tieback Forum & Exhibition
San Antonio, USA
- 24-25 February 2011
HSE practices – which route to take?
IMCA Safety Seminar
Venice, Italy
- 5-7 April 2011
Ocean Business
Southampton, UK
- 2-5 May 2011
Offshore Technology Conference
Houston, USA
- 6-8 September 2011
Offshore Europe 2011
Aberdeen, UK

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7 October 2010

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Schipholboulevard 101
1118 BG Schiphol
The Netherlands

Speakers include:

- ◆ Renewables UK
- ◆ HSE's Emerging Energy Technologies Group
- ◆ Visser & Smit
- ◆ Subsea 7

Discussing the issues and challenges in renewable developments

