

## IMCA sharpens focus on competence

In spite of wintry conditions, nearly one hundred delegates gathered at Aberdeen's Trinity Hall on 12 February for a workshop on competence and training issues.

The event was intended to introduce members to the relaunched Competence & Training (formerly TCPC) core activity and, at the same time, build on the success of the 2008 training establishment seminar which had brought together contractors, training providers and agency representatives to identify the industry's needs, discuss training provision and tackle the skills shortage.

The workshop was opened by John Greensmyth, outgoing TCPC committee chairman. He gave a report on the review of the role of the TCPC core activity within the broader IMCA structure.

The review had highlighted the ongoing importance of competence as a current issue for members – never more so at a time when new vessels are entering the market, new personnel are being integrated into offshore teams and external cost pressures are



being faced, particularly during the global 'credit crunch'.

The former TCPC core activity has been renamed 'Competence & Training' – a clearer title, with a mandate for its committee to provide the IMCA-wide framework for competence and training guidance on which the four technical divisions can continue to build.

The Competence & Training committee continues to include representatives from each division and each IMCA regional section, plus a small number of additional co-opted members to further reflect the range of IMCA members' own operations world-wide.

John concluded by introducing the new Competence & Training committee chairman, Steve Sheppard of Helix Energy Solutions Group.

Steve thanked John for his contribution to the work of the committee and IMCA in general over a number of years.

Steve then outlined the format of the rest of the day's competence workshop.

Discussion focused on a number of key questions, including:

- ◆ What are the expectations arising from the increased focus on competency and scheme administration by many clients, regulatory authorities and insurers?
- ◆ Does the offshore workforce believe in the concept of competence participating in it and promoting it?
- ◆ How do we maintain momentum once a competence scheme is up and running?

- ◆ Will competence and training be a casualty of the economic downturn as companies cut costs?
- ◆ How will smaller firms in particular cope with financial constraints?
- ◆ Is the role of the competence assessor being properly fulfilled?
- ◆ How can success stories from one company or discipline be made available as models for others?

These were addressed both by the workshop as a whole and in smaller workgroups that split off to discuss specific aspects relating to the four technical divisions – Diving, Marine, Offshore Survey and Remote Systems & ROV.

A closing plenary session included feedback from the workgroup chairmen and discussion of various outcomes from the day's proceedings. Actions for IMCA and its committees to take forward and a number of ideas that delegates will find useful within their own organisations resulted.

*A full report on the workshop will be circulated shortly.*

### Also in this issue:

#### New medical guidelines

IMCA has issued a new guide for physicians examining offshore workers (non-marine crew) to assess their fitness for working on offshore construction vessels.

For full information, turn to page 4

#### Syllabus for supervisor training

A new outline syllabus has been published by IMCA to help ensure those promoted based on technical ability are equipped with the necessary supervisory and leadership skills.

More details on page 5

#### IMCA at IMO

Did you know that IMCA is a non-governmental observer at the International Maritime Organization? Find out how this has helped IMCA represent your interests inside.

For the full story, turn to page 12

In this issue:

### News from around IMCA 2

From the President 3

Core activity news 4

### Regional news 6

### IMCA Directory 7

Secretariat staff and committees 7

Current members 8

You may have missed ... recent documentation 10

### Divisional news 11

Diving 11

Marine 12

Offshore Survey 14

Remote Systems & ROV 14

### Spotlight 15

on Steve Sheppard

### Forthcoming events 16

## IMCA facilitates useful insurance talks

Together with insurance broker Jardine Lloyd Thompson, IMCA organised a workshop to discuss 'construction all risks' (CAR) insurance at the Royal Automobile Club in London, UK, on 10 February 2009. Around sixty people attended, including key oil company, underwriter, marine warranty surveyor and contractor representatives.

Presentations providing background from a variety of viewpoints were given by IMCA President Johan Rasmussen (Acergy), Jean-François Corbel (Technip), Dominick Hoare (Watkins) and Sigurd Willoughby (StatoilHydro). Workshops then followed with delegates debating policy cover, good practice in procuring and delivering CAR insurance, loss prevention through technical solutions and during operations and several related issues.

A lively discussion highlighted a common theme – the need for better communication between the four attending groups to clarify a number of areas for the benefit of all. The meeting generated good feedback and a clear desire to make progress on these issues.

For more information on this work, please contact Hugh Williams, IMCA Chief Executive – [Hugh.Williams@imca-int.com](mailto:Hugh.Williams@imca-int.com)

## Member survey

The results of the survey of member satisfaction carried out in mid-2008 have been published and circulated as a member information note.

Our thanks to all those who participated – around 340 of you – for making this a truly representative exercise.

Responses were highly positive in terms of the value members placed on the services provided by the association and how they felt these were delivered.

Several constructive suggestions were made and are being taken forward as appropriate by the secretariat and OMC.

## Website news

As we go to press, the final touches are being put to the new members-only website.

Building on last year's relaunch of our public site, the members-only version builds on the well received format, with its simpler navigation and attractive design with over 1,000 member documents – guidance, information notes, safety flashes, minutes and more.

Current logins will remain valid – if you haven't yet applied for your company's, please e-mail [information@imca-int.com](mailto:information@imca-int.com) and we'll set up access or advise who in your company already holds the necessary details.

## Call for papers for 2009 annual seminar

This year's IMCA annual seminar is to take place in Rio de Janeiro, Brazil, on 4-5 November 2009.

A call for papers has been issued, as we start to build an exciting programme on the theme *Integrated marine operations in challenging times*. Supplier members have also been offered the usual opportunity to exhibit alongside the seminar.

See [www.imca-int.com/events](http://www.imca-int.com/events) to read the call for papers and for more details on this year's event as they are published.



## Get involved

In this edition of Making Waves you can find a variety of ways in which you can get the most out of IMCA.

Here are a few pointers:

- ◆ Be a part of the annual seminar in Rio this year – the call for papers is out see page 2
- ◆ Help us analyse safety performance in the sector by contributing your data see page 5
- ◆ Alert members to diving equipment advances see page 11
- ◆ Can you provide details on incidents involving diving umbilical kinks? see page 11
- ◆ Submit your ROV statistics see page 14
- ◆ Attend an event – see the IMCA calendar on page 16

## 2008 in brief

Last year saw a number of considerable achievements for the association:

- ◆ Membership grew by over 30%, passing 500 in July
- ◆ Events were held in new locations, in a variety of formats and with record attendance at the annual seminar in Kuala Lumpur
- ◆ The work programme included new and updated guidance as usual, but with additional major projects funded to tackle issues faced by members

Documentation output in 2008 included:

- ◆ Five new and five updated guidance documents and technical reports
- ◆ 64 information notes
- ◆ 18 safety flashes, covering some 46 incidents and other hazards
- ◆ a new safety DVD, three new posters and two new or updated pocket cards

*Making Waves* – the newsletter of the International Marine Contractors Association – is published quarterly to promote knowledge of safety and technical matters affecting the offshore, marine and underwater engineering industry.

Succinct, positive contributions of potential interest to a wide cross-section of members are welcome.

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

Editor: **Adam Hugo**  
([Adam.Hugo@imca-int.com](mailto:Adam.Hugo@imca-int.com))



## New IMCA President – Johan Rasmussen

Johan Rasmussen, Corporate VP and General Counsel of Acergy, is the new President of IMCA and Chairman of the association's Overall Management Committee. He takes over from Knut Boe of Technip who completed his two-year term in December. Johan's first article for members is printed to the right. Andy Woolgar, VP Operations of Subsea 7, is the new Vice-President.



## Vicki Graham retires from IMCA ...

Following a party in Aberdeen with long-standing industry colleagues, where she was given a fine set of golf clubs, Vicki Graham retired as IMCA's Certification Schemes Administrator at the end of December, with a special presentation of a scarf and card from her London colleagues made at the secretariat offices.

Vicki ran the schemes single-handed from their inception in the 1980s under AODC. Hence she was known and appreciated throughout the industry and good wishes for the future were sent to Vicki by many around the world.

Genine da Cruz Harvey is now administering the schemes on a full-time basis from the London offices (see page 11).



## ... while Adam celebrates ten years

Support Services Manager Adam Hugo has reached his tenth anniversary working for IMCA – a period that has seen him responsible for a number of innovations (such as implementing e-mail communications and building the public and members-only websites) as well as setting up the administrative procedures and practices required by a larger secretariat supporting an ever-growing membership.

Adam initially joined the association as a temporary secretary as the 1998 annual seminar got underway in Rio. It was fitting therefore, that the official anniversary came as the 2008 annual seminar got underway in Kuala Lumpur, Malaysia, demonstrating the growth in membership, participation and recognition around the world by drawing a record attendance to learn from and enjoy the broadest ever programme.

The secretariat team gathered again on their return for a special presentation of a chain and gift card and to celebrate together.

## From the President

Johan Rasmussen, Acergy  
IMCA President 2009



The economic situation and the falling oil price will inevitably influence the offshore service market.

Projects are being delayed, expectations of lower costs are clearly communicated and additional tonnage is expected to enter the market in the years to come, unless the credit crunch leads to order cancellations.

However, a shrinking of demand and prices being put under pressure do not change the fact that offshore services to the oil and gas industry are associated with risks. These risks are of a commercial nature as well in relation to operations and safety.

To take safety first: the need for attention to safety and to spend the resources needed to ensure a safe workplace for everyone onboard ships and barges, as well as onshore, cannot be compromised. It should be recognised by all stakeholders that safety should not be an area for cost cutting.

IMCA's latest safety seminar – *Covering the global HSE bases* – which takes place on 11-12 March in Houston will provide another opportunity for members to share lessons learnt, good practice and new ideas for addressing hazards both old and new and I encourage you all to ensure your company is represented.

Secondly, the contractual risk balance: a market downturn does not take away the risks which are inherent in our business.

In a shrinking market it may be tempting to take on contracts in order to secure utilisation at a lower margin – and with inferior protection against the risks which are unquantifiable and/or outside of the supplier's or contractor's control. We hope that customers do not increase their pressure on suppliers and contractors to take on more risks. For the supply side I cannot say anything else than the obvious: one knows what it costs to have a ship or a barge alongside the quay, while the costs of taking on contracts with unquantifiable risks or risks outside of the party's control are unknown.

IMCA will continue its effort in assisting its membership with standards of operation and in promoting the notion of balanced contractual terms. IMCA's contracting principles are available online at [www.imca-int.com/contracts](http://www.imca-int.com/contracts)

## News from IMCA's core activities



### New guidelines on medical assessment

IMCA issues new guide for examining physicians to help ensure the health and work-fitness of non-marine crew

Assessment of fitness to work on offshore vessels is a complex and increasingly specialised assessment, requiring knowledge of not only general medical problems, but also occupational medical issues and a thorough knowledge of the working environment. Such assessments of fitness should be performed by a suitably qualified examining physician.

IMCA has now issued its *Medical guidelines for non-marine crew working in the offshore environment* (IMCA C 012) – a guide for examining physicians on assessing the fitness of non-marine personnel working on offshore construction vessels (it is assumed that the marine crew will be examined to a seafarer medical standard under the relevant flag state regime).

The guidelines cover both general principles and specific medical conditions, as well as addressing the particular requirements for those in specific employment groups offshore. Example screening questionnaires, examination forms and certification formats are provided.

The guidelines recommend that such medical assessments be undertaken by a doctor approved by a flag state to undertake seafarer medicals, avoiding the need for any new certification or approval of doctors. It should be noted that IMCA does not approve individual doctors.

It is recommended that all individuals working on offshore vessels should be examined periodically and classified as medically fit to work in the offshore environment. Nevertheless, it remains the responsibility of the vessel operator to ensure that persons going offshore meet necessary standards of health and safety.

The guidelines are available to members for downloading and for purchase in printed form.

### New C&T references

As highlighted elsewhere in this issue and in communications to members, the TCPC core activity is now simply 'Competence & Training'.

Existing documents keep their current references, with new information notes prefixed 'IMCA C'. Website addresses automatically redirect.

### Personnel transfer

The safe transfer of personnel from the shore to offshore vessels and other worksites is an area of particular focus for the SEL committee this year, prompted by feedback from members on their own experiences and concerns.

The committee plans to develop guidance on the subject, looking at all types of crew transfer – personnel baskets, fast craft, etc. and is seeking input from members both in terms of highlighting the issues currently being faced around the world and through providing company procedures that could help form the basis of future IMCA guidance.

Contact [Nick.Hough@imca-int.com](mailto:Nick.Hough@imca-int.com) for more details or to contribute to this work.



### THE WORLD'S LEADING SUBSEA TRAINING CENTRE

The Underwater Centre in Fort William is the ideal place to train for work in the subsea industry, offering:

- Industry tailored commercial diving courses
- Leading ROV course run to IMCA syllabus
- ALST training working with operational saturation system
- Instructors respected worldwide
- Excellent deep-water training site simulating offshore conditions
- Proven record in subsea trials and testing

For more information contact us on:  
+44 (0)1397 703786 [info@theunderwatercentre.co.uk](mailto:info@theunderwatercentre.co.uk)  
[www.theunderwatercentre.com](http://www.theunderwatercentre.com)

THE UNDERWATER CENTRE  
FORT WILLIAM • TASMANIA



- Decommissioning Contractors & Engineers
- Abandonment Services
- Subsea & Marine Technology
- High & Ultra High Pressure Pump Services

**Proserv**  
OFFSHORE

[www.proserv-offshore.com](http://www.proserv-offshore.com)  
[info@proserv-offshore.com](mailto:info@proserv-offshore.com)



# Security



Piracy issues have been highlighted in the media recently and, although the focus of its attention is around the Horn of Africa, IMCA members are well aware of other areas with similar problems.

The nature of the problem demands confidentiality of information, but IMCA provides a forum for the anonymised sharing of information on members' experiences in a way in which

they can be confident does not compromise the security of personnel, vessels and other company property.

Philip Wiggs co-ordinates the Security Task Force within the secretariat and would be happy to receive input from members. The task force can then review material (either as submitted or further anonymised) and decide on the format for dissemination of such advice to other IMCA members.

## Safety statistics

The secretariat is currently seeking input from contractor (ICO/Co) members on their safety statistics for 2008.

A record number contributed to this important benchmarking exercise last year and we hope this high level of participation will continue. Submissions are requested as soon as possible so that the full analysis can be carried out and the report published to members.

As always, submissions are held confidentially by the secretariat, with only anonymised figures, totals and trends published.

Contact [Nick.Hough@imca-int.com](mailto:Nick.Hough@imca-int.com) for more details

## IMO security briefing

The International Maritime Organization has recently issued a circular (MSC.1-Circ/1283) which addresses security issues for vessels not covered by SOLAS chapter XI-2 and the ISPS Code. Further details are available from the secretariat.

For full details on IMCA's work on security issues, visit [www.imca-int.com/security](http://www.imca-int.com/security) or e-mail [Philip.Wiggs@imca-int.com](mailto:Philip.Wiggs@imca-int.com)

## Supervisor training

IMCA has published a new *Outline syllabus for training of personnel in supervisory positions* (IMCA C 011).

The syllabus seeks to provide clear guidelines on supervisory and leadership skills, as this aspect of the role of the supervisor or manager is a difficult and important one.

Members had identified the need for such guidance, noting that those who demonstrate technical competence can often be promoted to positions of responsibility, whereupon it may be found that they have inadequate competence in supervisory skills, and an incomplete or superficial understanding of the business of leading and managing their fellow employees.

The guidance, drafted by a group under the Asia-Pacific Section before undergoing global committee review, sets out a framework for a training course suitable for supervisors and team leaders from all areas within the marine contracting sector, both on and offshore. It can also be applied to newly appointed managers and those who have some experience of managing but who have received no formal training.

## National Hyperbaric Centre

### TRAINING FOR THE SUBSEA INDUSTRY

- Assistant Life Support Technician
- Mechanical Dive Technician
- Diver Medic Technician
- Diving Masks & Helmets Technician
- Diver Medic Refresher
- Diving Familiarisation
- Assistant Air Diving Supervisor
- IOSH Working Safely
- Assistant Bell Diving Supervisor
- IOSH Managing Safely



[www.nationalhyperbariccentre.com](http://www.nationalhyperbariccentre.com)

## Offshore diving operations management and training

- NPD Leadership
- IMCA Diver Medic
- IMCA Trainee Air and Bell Diving Supervisor
- IMCA Diver Assessment
- IMCA ALST
- DSV Audits
- Personnel and Equipment
- Risk Assessments
- In-house Training
- HSE Approved courses
- HSE First Aid at Work and Appointed Person
- HSE Offshore Medic
- Advanced Medical Skills
- MCA Medical courses
- RYA First Aid
- Overseas training



To learn more about how Interdive can help your diving operations please call us on: Tel: +44 (0)1752 558080 or e-mail us on [diving@interdive.co.uk](mailto:diving@interdive.co.uk)

INTERDIVE SERVICES LTD, STOKE DAMEREL BUSINESS CENTRE, STOKE, PLYMOUTH, DEVON, PL3 4DT. ENGLAND [www.interdive.co.uk](http://www.interdive.co.uk)

## Regional news

### Americas

Around fifty members and guests gathered for the first open-format Americas Seminar in Houston, USA, on 11 November. The event followed a brief session for member-only business and featured a range of presentations not only on IMCA activities but on other issues relevant to the region's marine contracting industry, which proved popular with those present.

Dennis McLaughlin of Kosmos Energy provided an overview of the Jubilee Project – a large fast-track field development offshore West Africa. He was followed by Paul Byington of Helix Subsea Construction who spoke on the effects of Hurricane Ike and the preventative measures and response plans his company had implemented. Section Chairman Alan Allred of Aker Marine Contractors closed by discussing successful self-regulation in the industry.

Following March's IMCA safety seminar, the section will begin to organise further seminars in this format.

### Asia-Pacific

The latest Asia-Pacific Section meeting took place in Perth, Australia, on 22 January, with 75 attendees.

The meeting began with a session dedicated to member business, including updates on global IMCA activities, review of a number of Australian regulatory developments and updates on discussions at the International Maritime Organization on the SPS Code, offshore vessels and DP operator training.

Guests were then welcomed to the meeting, with updates on the work of IMCA's global committees given by the section's elected representatives. Three well-received presentations were made, covering risk management (where Matt Hort of Clough spoke on plans to participate in the Indian Ocean Rowing Race) and by guest speakers on two health initiatives – 'Sustainable injury prevention' and 'Behaviour change weight programme'. The final session included workshops reviewing draft Australian accommodation guidelines, discussing offshore survey issues and reviewing draft IMCA guidance on safe isolation and intervention for diver access.

### Europe & Africa

Nearly 100 people attended the 12 February 2009 meeting of the Europe & Africa Section, held at Trinity Hall, Aberdeen, UK, in conjunction with a competence workshop (see front page).

The first session of the day was dedicated to section business, with Hugh Williams introducing Wim de Boer of Heerema Marine Contractors, the new section chairman, who reviewed the history and role of the section before handing over to Jane Bugler for a brief overview of IMCA technical activities over the past twelve months and current work items.

*Keep up to date on the latest regional developments, forthcoming meetings and third party events at [www.imca-int.com/regions](http://www.imca-int.com/regions)*

### Middle East & India

The Middle East & India Section's latest meeting took place on 16 February, as we went to press – a full report will appear in the next issue.



Steve MacMillan has indicated his intention to stand down as the section's Chairman, as he moves out of the region to a new role in J Ray McDermott, and an election will be organised shortly.

Steve has served in the role since 2002, during which time membership in the region has almost trebled, with section meetings featuring a much broader range of topics from across all technical divisions. Thanks have been expressed by IMCA members and staff alike for his significant service.



KBA Training Centre Pte Ltd  
A Member of IMCA

The only IMCA-approved training provider based in Asia providing the full range of IMCA diving supervisor, LST and DMT courses.

#### Training - IMCA

IMCA Diver Medic (DMT)  
IMCA Diver Medic Refresher  
IMCA Trainee Air & Bell  
Diving Supervisor  
IMCA Assistant Life Support Technician  
IMCA Refresher  
IMCA Surface Supplied Diver Assessment  
IMCA Exam Revision

#### Training - SAFETY

NEBOSH IGC  
IOSH Managing Safely  
IOSH Working Safely  
Risk Assessment (MOM Approved)  
Client Subsea Safety & Diving Familiarisation  
DSI/KM Basic Technician  
DSI/KM User/Operator  
Diving System Auditor  
First Aid, AED Training CPR  
Leadership Courses



KBA - A Total Quality Management Company

For more information contact us or visit our website [www.kbassociates.org](http://www.kbassociates.org)

**KBA Training Centre Pte Ltd**

No. 26 Changi North Crescent, 3rd Floor, Diethelm Keller Building, Singapore 499637  
Tel: +65 6542 4984 Fax: +65 6542 5584 Email: [training\\_enquiries@kbassociates.org](mailto:training_enquiries@kbassociates.org)

## WET WELDING COURSES



**HSE Approved Diver Training & Weldcraft®  
Pro in-depth Welder Training Program**

20th March - Weldcraft Pro Welder Training  
17th August - HSE Pro Centre  
14th September - HSE Surface Supplied  
12th October - Top Up (Wet Bell)

**Weldcraft Pro**

**web: [www.professionaldivingacademy.com](http://www.professionaldivingacademy.com)  
tel: +44 (0) 1369 701 701**



## Who to contact at IMCA:



**Hugh Williams**  
Chief Executive



**Jane Bugler**  
Technical Director



**Philip Wiggs**  
Technical Adviser



**Nick Hough**  
Technical Adviser



**Ian Giddings**  
Technical Adviser



**Paul Evans**  
Technical Adviser

**Genine da Cruz Harvey**  
Certification Schemes Administrator  
for diving supervisors and LSTs

**Adam Hugo**  
Support Services Manager

**Nina Adams**, Senior Administrator  
- publication sales

**Parul Patel**, Administrator  
- seminars and committee meetings

**Claudine Bleza**, Administrator  
- social events and exhibitions

**Ann Barnatt**, Administrator  
- document production and member records

**Andy Butler**, Administrator  
- document production and member records

**Jean Carmichael**, Bookkeeper

**IMCA** 5 Lower Belgrave Street  
London SW1W 0NR, UK

Tel: +44 (0) 20 7824 5520

Fax: +44 (0) 20 7824 5521

E-mail: [imca@imca-int.com](mailto:imca@imca-int.com)

Web: [www.imca-int.com](http://www.imca-int.com)

## 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.

### Overall Management Committee

#### IMCA President and OMC Chairman

Johan Rasmussen, Acergy

#### IMCA Vice-President

Andy Woolgar, Subsea 7

#### Regional Section Chairmen and Vice-Chairmen

##### Americas Deepwater

Alan Allred, Aker Marine Contractors

Tony Duncan, Acergy

##### Asia-Pacific

Andy Bolton, Technip Subsea 7 Asia Pacific

Mark Shepherd, Mermaid Offshore Services

##### Europe & Africa

Wim de Boer, Heerema Marine Contractors

Jim Sommerville, Fugro-Rovtech

##### Middle East & India

Steve MacMillan, J Ray McDermott

Roy Donaldson, BUE Marine

Hugh Williams, Chief Executive

Jane Bugler, Technical Director

#### Committee Chairmen and Vice-Chairmen

**SEL:** Wallace Robertson, Helix ESG  
Dave Forsyth, Bibby Offshore

**CT:** John Greensmyth, Technip  
Steve Sheppard, Helix ESG  
Mark Elder, Subsea 7

**Diving:** Alan Forsyth, Subsea 7  
Vice-Chairman – election underway

**Marine:** Pete Somner, Technip  
Pete Fougere, Transocean

**Survey:** Will Primavesi, Oceanteam Subsea Services  
Walter Steedman, Veripos

**ROV:** Neil Milne, Subsea 7  
Espen Ingebretsen, Oceaneering

### Competence & Training Committee

*Outgoing Chairman (TCPC):* John Greensmyth, Technip

*Chairman-Designate (CT):* Steve Sheppard, Helix ESG

*Vice-Chairman:* Mark Elder, Subsea 7

Craig Darroch, Acergy

Pauline Irwin, DOF

George Robertson, Fugro-Rovtech

Gavin Smith, Subsea 7

Roy Hay, Technip

Andy Stewart, UK Project Support

*Americas:* Tony Greenwood, Cal Dive International

*Asia-Pacific:* Mike Kelly, SeaSafe

*Middle East & India:* Mohamed Omar, INW

### Marine Division MC

*Chairman:* Pete Somner, Technip

*Vice-Chairman:* Pete Fougere, Transocean

Alistair MacLeod, Acergy

Quirien Grul, Allseas

Derek Judd, Bibby Offshore

Anders Waage, DOF Management

Michiel Goedkoop, Heerema Marine Contractors

David Blencowe, Maersk Supply Service

John de Hartog, Saipem

Geir Karlsen, Subsea 7

Kjell Egil Helgø y, Teekay

*Americas:* Mike Lawson, Transocean

*Asia-Pacific:* Mike Meade, M3 Marine

*Middle East & India:* Ron Clark, NICO Middle East

### Offshore Survey Division MC

*Chairman:* Will Primavesi, Oceanteam Subsea Services

*Vice-Chairman:* Walter Steedman, Subsea 7/Veripos

Ray Morgan, Acergy

Michiel van de Munt, Allseas

Stuart Reid, Andrews Survey

Ed Danson, C&C Technologies

Perry Balls, DeepOcean

Simon Barrett, DOF Subsea

Ian McKenzie, Fugro Survey

Egbert Verweij, Heerema Marine Contractors

Peter Thomas, Maritech

Paul van Waalwijk, Noordhoek

Paul Bennion, Saipem

Martin Day, Subsea 7

*Americas:* David Fitzpatrick, Subsea 7

*Asia-Pacific:* Dave Scott, Fugro Survey Pte Ltd

*Middle East & India:* Darren Male, Fugro Survey Middle East

### SEL Committee

*Chairman:* Wallace Robertson, Helix ESG

*Vice-Chairman:* Dave Forsyth, Bibby Offshore

Andrew Culwell, Acergy

Bart Westerhout, Allseas

Keith Mobbs, DeepOcean

Jim Knight, Heerema Marine Contractors

Wayne Seelbach, Helix ESG

Sal Ruffino, Saipem

Alan Forsyth, Subsea 7

Allan Hannah, Technip

Henk Swennen, Van Oord Offshore

*Americas:* Greg Payne, Heerema Marine Contractors

*Asia-Pacific:* Matt Hort, Clough Oil & Gas

*Middle East & India:* Mohamed Osman, Maridive

### Diving Division Management Committee

*Chairman:* Alan Forsyth, Subsea 7

*Vice-Chairman:* Paul Blewett, Technip

Joar Gangenes, Acergy

Alan Thomas, Cape Diving

Steve Sheppard, Helix ESG

Jerry Starling, Integrated Subsea Services

Darren Brunton, KB Associates

David Smith, National Hyperbaric Centre

Calum Buchanan, RBG

Maurizio Chines, Saipem

Craig Cook, SMIT Subsea

*Americas:* Allan Palmer, Helix ESG

*Asia-Pacific:* Glyn Jones, Hallin Marine

*Middle East & India:* Steve MacMillan, J Ray McDermott

### Remote Systems & ROV Division MC

*Chairman:* Neil Milne, Subsea 7

*Vice-Chairman:* Espen Ingebretsen, Oceaneering International

Colin Mackay, Acergy

Federico Morello, DNT Offshore

Keith Robathan, DOF Subsea

Jim Mann, Fugro

John Davies, Global Marine Systems

Mike Arnold, Hallin Marine

David Rhodes, Integrated Subsea Services

Kevin Kerins, Oceaneering International, Inc.

Mark Slessor, Saipem

John Pirie, Technip

Grant Cowie, TS Marine

*Americas:* Ian Edmonstone, Helix ESG

*Asia-Pacific:* Ian Huggins, Hallin Marine

*Middle East & India:* Chris Blake, Fugro Survey Middle East

## International Contractors

**Acery**  
**Allseas Group**  
**Heerema Marine Contractors**  
**Helix Energy Solutions Group**  
**J Ray McDermott**  
**Saipem**  
**Subsea 7**  
**Technip**

## Contractors

Abel  
Acery Asia Middle East  
Adams Offshore Services Ltd  
Advanced Energy Systems (ADES)  
Ajang Shipping Sdn Bhd  
Aker Marine Contractors AS  
Aker Marine Contractors, Inc.  
Aker Oilfield Services  
Alam Subsea Pte Ltd  
Algoasibi Diving & Marine Services  
Allied Marine & Equipment Sdn Bhd  
AlMansoori Production Services LLC  
Andrews Survey  
Aqua Diving Services  
Aquanos Ltd  
Arabian Gulf Mech. Svcs & Ctrg Co.  
Arab Tanker Services  
Arena Sub srl  
Argus Remote Systems  
ATCO Ports Mgt & Marine Svcs  
Atlantic Towing Ltd  
B+H Equimar Singapore Pte Ltd  
Bibby Offshore Ltd  
BJ Services Co (Middle East) Ltd  
Bluestream Subsea Services BV  
Bluewater Energy Services BV  
Bluewater Offshore Construction  
Boskalis Offshore  
Bourbon  
BUE Marine Ltd  
Bumi Armada Berhad  
C&C Technologies Inc.  
C&C Technologies (Europe & Africa)  
Cal Dive International, Inc.  
Cal Dive International Pte Ltd  
Cal Dive International Pte Ltd - ME  
PT Calmarine  
Canship Ugland Ltd  
Cape Diving  
Caspian Sea Oil Fleet (CSFOF)  
CCC (Underwater Engineering) SAL  
CDMS Ltd  
CDS Subsea Pte Ltd  
CH Offshore Ltd  
Clough Oil & Gas  
CNS International srl  
Coral Alliance Sdn Bhd  
CTC Marine Projects Ltd  
CUEL Ltd  
Dalgidj Private Company  
DCN Global LLC  
DeepOcean (a Trico Group co.) - E&A  
DeepOcean (a Trico Group co.) - ME&I  
Diamond Offshore Drilling Inc  
DNT Offshore srl  
Dockwise  
DOF Management AS  
DOF Subsea (Australia & Asia Pacific)  
DOF Subsea Norway AS  
DOF Subsea UK Ltd  
DOF UK Ltd  
Dolphin Drilling Ltd  
Dolphin Offshore Enterprises (India)  
Dulam International Ltd  
EDT Marine Construction Ltd  
EDT Offshore  
EGS (Asia) Ltd  
Eidesvik AS  
PT Ekanuri Indra Pratama  
EMAS Offshore Pte Ltd  
ER Offshore GmbH & Cie KG  
Fairmount Marine bv  
Far Eastern Shipping Company  
Finstaship  
Five Oceans Services GmbH  
LLP FSDS  
Fugro Marine Services bv  
Fugro-Rovtech  
Fugro SAE  
Fugro Survey (India) Pvt Ltd  
Fugro Survey (Middle East) Ltd  
Fugro Survey (Singapore) Pte. Ltd  
Fugro Survey Ltd  
Galliano Marine Service LLC  
Geolab srl  
Global Industries Ltd (Americas)  
Global Industries Ltd (Asia-Pacific)  
Global Industries Ltd (Europe & Africa)

Global Industries Ltd (ME & India)  
Global Marine Systems Ltd  
GO Offshore  
GOGAS Gulf Oil and Gas LLC  
Great Offshore Ltd  
Greatship (India) Ltd  
SC Grup Servicii Petroliere SA  
Gulf Dredging & General Contracting  
Gulf Marine Services  
Gulf Offshore (North Sea) Ltd  
Gulmar Offshore Middle East LLC  
Halani Shipping Pvt Ltd  
Hallin Marine  
Hallin Marine UK Ltd  
Halul Offshore Services Co.  
Harbor Star Shipping Services, Inc.  
HEISCO  
Horizon Survey Company (FZC)  
Hull Support Services Ltd  
Huta Marine Works Ltd  
IDMC - Impresub Diving & Marine  
Impresub International LLC  
Inspectahire Instrument Co. Ltd  
Integrated Subsea Services Ltd  
Ind Marine Works - Alexandria  
Ind Naval Works - Abu Dhabi  
IOTA-Survey  
IRSHAD  
Island Offshore Management AS  
Jack-Up Barge BV  
Jifmar Offshore Services  
Jumbo Offshore VoF  
Knutson OAS Shipping AS  
Lamnalco Group  
PT Lancar Rejeki Berkata Jaya  
LD Travecan  
Louisiana Overseas Inc.  
Maersk Drilling  
Maersk Supply Service  
Maridive & Oil Services  
Maridive & Oil Services (SAE)  
Maridive Offshore Projects  
Marine Consulting srl  
Marine Logistics Solutions (MarSol)  
Marine Subsea AS  
Marine Survey & Services Intl Ltd  
Master Tech Diving Services  
Med Marine  
MENAS  
Mermaid Marine Australia Ltd  
Mermaid Offshore Services Ltd  
Micllyn Express Offshore Pte Ltd  
Mohn Drilling AS  
Mutawa Marine Works Est  
Neptune Marine Services  
Nexans Norway AS - Energy Division  
NICO Middle East Ltd  
Noordhoek Offshore BV  
NOR Offshore Ltd  
Nordic Heavy Lift ASA  
Northern Marine Management Ltd  
NPCC Survey  
Ocean Works Asia Inc.  
Oceaneering International (UK)  
Oceaneering International Asia Pacific  
Oceaneering International Inc.  
Oceanteam Power & Umbilical Ltd  
Oceanteam Subsea Services Ltd  
Octomar  
Odjell Drilling  
Offshore Geo-Surveys Sdn Bhd  
Offshore International FZC  
Offshore Manpower SA  
Offshore Oil Eng. Co. Ltd (COOEC)  
Offshore Subsea Works Sdn Bhd  
Offshore Technology Solutions Ltd  
Olympic Shipping AS  
Orogenic GeoExpro Sdn Bhd  
OSM Ship Management AS  
Pacific Crest Pte Ltd  
Pacific Richfield Marine Pte Ltd  
PT Patra Dinamika  
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  
PWV-Group  
Rana Diving & Marine Contractor srl  
RBG Ltd  
REM Offshore AS  
Riise Underwater Engineering AS  
Rolv Berg Drive AS  
Rubicon Offshore Intl Pte Ltd  
Sahara Petroleum Company  
Saipem sa - Saibos Division  
SAL Shipping  
PT Samudera Biru Nusantara  
Sapura Diving Services Sdn Bhd  
Sarku Engineering Services Sdn Bhd  
SAROST SA  
SBM Offshore NV  
Seacor Marine (International) Ltd  
Seadrill Management AS  
Seahorse Services Co. Ltd  
Sealion Shipping Ltd  
SEAMEC  
Searov Offshore  
Seascope Surveys Pte Ltd  
Sea Trucks Group FZE (ME & India)  
Sea Trucks Group FZE (Asia-Pacific)  
Sea Trucks Group FZE (Eur & Africa)  
Seaway Heavy Lifting Engineering BV  
Seaways International LLC  
Seaworks Ltd  
Secunda Marine Svcs/J Ray McDermott  
SC Shark srl  
Siem Offshore AS  
SMIT  
SMIT Subsea (Africa)  
SMIT Subsea Europe  
SMIT Subsea Middle East LLC  
SMIT Subsea (Singapore)  
Solstad Shipping AS  
Stapem Offshore SA  
Stena Drilling Ltd  
Submersible Technology Services (UK) Ltd  
Subocean Group Ltd  
Subsea 7 Asia Pacific  
Subsea Explore Services (M) Sdn Bhd  
Subsea Intervention Technologies  
Subsea Petroleum Services  
Subtech (Pty) Ltd  
Subtech Qatar Diving & Marine Svcs LLC  
Switzer  
Swire Pacific Offshore Operations  
Target Engineering Construction Co.  
Technip Subsea 7 Asia Pacific  
Technip USA, Inc.  
Technocean AS  
Teekay Norway AS  
Tideway Marine & Offshore  
Timsah Shipbuilding Company  
TL Geohydrographics Sdn Bhd  
Total Marine Technology Pty Ltd  
Transocean  
Transoceanic Cable Ship Co. Inc.  
Troms Offshore AS  
TS Marine (Contracting) Ltd  
TS Marine Pty Ltd  
UMC International plc  
Underwater Services Company  
Unidive Marine Services Pte Ltd  
URS nv  
UTEC Survey, Inc.  
Van Oord Offshore BV  
Varun Shipping Co. Ltd  
Vastalux Sdn Bhd  
Veolia Environmental Services Special Svcs  
Visser & Smit Marine Contracting bv  
Vroon Offshore Services BV  
VTT Maritime AS  
Wagenborg Offshore BV  
PT Wintermar  
Workshops Contractors BV  
Zakher Marine International  
Zamil Offshore Services Co. Ltd

## Suppliers

### Suppliers of equipment

ABB Ltd  
ABPro Pte Ltd  
Advanced Marine Pte Ltd  
PT Advanced Oil & Gas Consulting  
Air Liquide America LP  
Air Products plc  
Air Products Middle East FZE  
Air Products Singapore Pte Ltd  
Analox Sensor Technology Ltd  
Ashtead Technology (SEA) Pte Ltd  
Balmoral Offshore Engineering  
Bibby Offshore Ltd  
Bourbon  
Bridon  
Brunvoll AS  
CAPE Group Pte Ltd  
CCC Arcadia (Subsea) Ltd  
Chem-Gas Pte Ltd  
Chesterfield Special Cylinders Ltd  
Clough Oil & Gas  
Comanex SAS  
Converteam Ltd  
CUEL Ltd  
DeepOcean (a Trico Group co.) - E&A  
Divex Asia Pacific  
Divex FZE  
Divex Ltd  
DOF UK Ltd  
Dominion Gas  
Dominion Gas Asia Pte Ltd  
Dräger Safety  
Drass Galeazzi Underwater Technology  
Drexel Oilfield Equipment  
Eastar Offshore Pte Ltd

Franklin Offshore International Pte Ltd  
General Robotics Ltd  
Global Gases & Chemicals FZCO (Dubai)  
Global Gases Group (Singapore) Pte Ltd  
Global Gases South Africa (Pty) Ltd  
Great Offshore Ltd  
Guidance Navigation Ltd  
Halani Shipping Pvt Ltd  
Hydra Marine (Pty) Ltd  
Hydratight Ltd  
Hyperbaric Technology BV (Hytech)  
IXSEA  
JW Automarine  
Kenz Figeo BV  
Kirby Morgan Dive Systems  
Kongsberg Maritime AS  
Kongsberg Maritime Ltd  
KTL Offshore Pte Ltd  
Kystdesign AS  
L-3 Communications  
Lexmar Engineering Pte Ltd  
Marine Solutions (Pty) Ltd  
Measurement Devices Ltd  
MJR Controls Ltd  
Modern Computing Services (MCS)  
Nautronix plc  
Navis Engineering Oy  
Offshore Joint Services  
Offshore Logistics (Asia Pacific) Pte Ltd  
OSM Ship Management AS  
Pacific Commercial Diving Supply Pty Ltd  
Perry Slingsby Systems, Inc.  
Perry Slingsby Systems Ltd  
Proserv Offshore  
Redaelli Tecna spa  
Rolls-Royce Oy Ab  
Rolv Berg Drive AS  
Rovsco Asia Pte Ltd  
Saab Seaeeye Ltd  
SBM Offshore NV  
Schilling Robotics, Inc.  
Schilling Robotics Ltd  
Sea and Land Technologies Pte Ltd  
Seaflex Ltd  
Sealion Shipping Ltd  
Seatools BV  
Serimax Ltd  
Skan-El AS  
Soil Machine Dynamics Ltd  
Sonardyne Asia Pte Ltd  
Sonardyne International Ltd  
Submarine Manufacturing & Products Ltd  
Submec Offshore Pty Ltd  
Subsea Vision Ltd  
Sundan Offshore Pvt Ltd  
Technical Diving Equipment Pommec bv  
TGH AP Pte Ltd  
Trelleborg Protective Products AB  
Trim Systems Pte Ltd  
The Tritanum Company  
Underwater Technology Services Pte Ltd  
Unique System FZE  
Veripos  
Vroon Offshore Services Ltd

### Suppliers of services

Abermed Ltd  
Advanced Marine Pte Ltd  
Advanced Offshore Contractors Pvt Ltd  
PT Advanced Oil & Gas Consulting  
Air Products Singapore Pte Ltd  
Alfa Petroleum Services  
Anglo-Eastern Group  
Anglo-Eastern Group (Asia-Pacific)  
ARV Offshore Co. Ltd  
ASP Rope Access  
Auto Dynamic Positioning Services  
Blade Offshore Services Ltd  
Braemar Falconer Pte Ltd  
CAPE Group Pte Ltd  
C-MAR Group  
Construction Specialists Ltd (CSL)  
Cosalt  
DMC Offshore  
DOWC  
EI-Automation AS  
ETPM Ltd  
Exmed Stirling Ltd  
Fender & Spill Response Services  
Franklin Offshore International Pte Ltd  
Global Maritime  
GW & Associates Ltd  
Houlder Insurance Services Ltd  
Imes Ltd  
Inchcape Shipping Services  
Inchcape Shipping Services - Americas  
Independent Risk Solutions BV  
Interocean Marine Services Ltd  
K2 Specialist Services Pte Ltd  
KB Associates Pte Ltd  
Lexmar Engineering Pte Ltd  
London Offshore Consultants Ltd  
M3 Marine Pte Ltd  
Marex Marine Services Ltd  
Marine Cybernetics  
MJR Controls Ltd  
Modern Computing Services (MCS)



Modular Underwater Systems Ltd  
 MOS Marine Offshore Service Pte Ltd  
 Nautronix plc  
 Navigare International Inc.  
 Noble Denton Consultants Ltd  
 Noble Denton Marine, Inc.  
 Noble Denton Middle East Ltd  
 Noble Denton Singapore Pte Ltd  
 NUI AS  
 Offshore Commissioning Solutions  
 Offshore Joint Services  
 Offshore Marine Management Ltd  
 PAE Singapore Pte Ltd  
 Perry Slingsby Systems Ltd  
 Peterson SBS Den Helder BV  
 Promarine Ltd  
 QinetiQ Ltd  
 Reel Group Ltd  
 Rolls-Royce Power Engineering plc  
 Schilling Robotics, Inc.  
 SeaSafe Pte Ltd  
 Sebastian AS  
 PT Sirius Maritimindo Services  
 Skan-El AS  
 Skuld AS  
 Sparrows Offshore Services Ltd  
 Submec Offshore Pty Ltd  
 Subsea Vision Ltd  
 Thome Offshore Management Pte Ltd  
 Trident Offshore Ltd  
 The Tritanium Company  
 Veripos  
 Vroon Offshore Services Ltd  
 Wartsila Electrical & Automation Services  
 Wavespec Ltd

#### Personnel agencies

Ace Diving Services CC  
 ACSM  
 Advanced Offshore Contractors Pvt Ltd  
 Alfa Petroleum Services  
 Ambergate Oil & Gas Recruitment Svcs  
 Aqua Omega Services Pvt Ltd  
 Atlanta Ltd Maritime Agency  
 Atlantic Resourcing Ltd  
 Atlas DOOR  
 PT Bahana Galang Jaya  
 Bibby Ship Management Group - E&A  
 Bibby Ship Management Group - ME&I  
 Dave Oliver Hydrographics Services  
 De Moura Shipping Ltda  
 Flare Project Services LLC  
 Hydrosud Ltd  
 Lerus Ltd  
 Maritech Group  
 Naurex Resources  
 Oceanscan Ltd  
 Offshore Marine Services Pty Ltd  
 Offshore Marine Services UK Ltd  
 Oilfield Medics UK Ltd  
 Petrolis SA  
 PR Offshore Services Ltd  
 Seatek India  
 Sheffield Offshore Services Pte Ltd  
 SubNet Services Ltd  
 SubServPro  
 Total Marine Services  
 UK Project Support Ltd  
 Underwater Engineering Ltd

#### Training establishments

AI Safety Training Consultants (1995) Ltd  
 Aberdeen Skills & Enterprise Training Ltd  
 Adriamare Maritime Training Centre  
 Ålesund University College  
 Banff & Buchan College  
 PT Barron International  
 Bergen University College - Diver Ed.  
 Bibby Ship Management Group Ltd - E&A  
 Bibby Ship Management Group Ltd - ME&I  
 Centre for Marine Simulation  
 CFO - Centro Formazione Offshore  
 Commercial Diving Academy  
 De Moura Shipping Ltda  
 Delphinus Services - ROV Training  
 Divers Academy International  
 Divers Institute of Technology  
 Divers University Esporte Aquático Ltda  
 Diving Diseases Research Centre  
 The Dynamic Positioning Centre Ltd  
 Elmbridge Subsea t/a The ROV Training Ctr  
 Falck Nutech bv  
 The Faraday Centre Ltd  
 Force Technology  
 Fundação Homem do Mar  
 Gdynia Maritime University  
 Global Marine Systems - Subsea Training  
 Holland College - Georgetown Centre  
 Holland College - Marine Training Centre  
 Hydratight Ltd  
 Hydrolab-HydroCAT  
 IDESS Maritime Centre (Subic), Inc.  
 INPP  
 The Institute of ROVs  
 Interdive Services Ltd  
 Jack's Dive Chest Commercial Diving School  
 KBA Training Centre Pte Ltd

Kirby Morgan Dive Systems  
 Lowestoft College  
 Marine Solutions (Pty) Ltd  
 Maritech Group  
 Maritime Institute Willem Barentsz  
 Maritime Training & Competence Solutions  
 Marseille Maritime Academy  
 MOG Industry Training Co. Ltd  
 MSTs Asia Sdn Bhd  
 National Hyperbaric Centre Ltd  
 National Oceanography Centre  
 National Polytechnic College of Science  
 Netherlands Diving Centre  
 Noble Denton Consultants Ltd  
 The Ocean Corporation  
 Offshore Skills Training Centre (OSTRAC)  
 PetroVietnam Manpower Training College  
 PNI Training Centre AS  
 Power & Generation Services  
 Professional Diving Academy  
 Professional Diving Centre  
 Satakunta University of Applied Sciences  
 PT SBS Indonesia  
 SEATAG Offshore Ltd  
 SEA Team Solutions Pte Ltd  
 Seneca College - Underwater Skills Prog.  
 Ship Manoeuvring Simulator Centre  
 Skilltrade BV  
 SMTC Global Inc.  
 Southern Institute of Technology  
 Stord/Haugesund University College  
 SubNet Services Ltd  
 Survie Mer Formation  
 The Underwater Centre Fort William  
 The Underwater Centre Fremantle  
 The Underwater Centre (Tasmania)  
 Underwater Engineering Ltd  
 WA Maritime Training Centre - Fremantle  
 West Coast Commercial Diving School  
 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 North Caspian Op. Co.  
 AISI  
 Azerbaijan International Operating Co.  
 Babco - The Bahrain Petroleum Co.  
 BG Group  
 BHP Billiton  
 BP America Production Company  
 BP Exploration Operating Company Ltd  
 BP West Java Ltd  
 Brunei Shell Petroleum Company  
 Cairn Energy India Pty Ltd  
 Chevron Energy Technology Co. - Subsea  
 Chevron Nigeria/Mid-Africa  
 Chevron Shipping Co.  
 Chevron Thailand E&P Ltd  
 CNR International UK Ltd  
 ConocoPhillips  
 ConocoPhillips China  
 ConocoPhillips Indonesia  
 ConocoPhillips (UK) Ltd  
 Dana Petroleum plc  
 Det Norske Veritas  
 Department of Labour (South Africa)  
 Esso Australia Pty Ltd  
 GDF Suez E&P Nederland bv  
 Gulf of Suez Petroleum Company  
 Health & Safety Authority  
 Husky Energy  
 International Diving Schools Association  
 Kuwait Oil Company  
 Lloyd's Register EMEA  
 Maersk Oil Qatar AS  
 Mobil North Sea Ltd  
 Murphy Sarawak Oil Co. Ltd  
 Nederlandse Aardolie Maatschappij BV  
 Nexen Petroleum UK Ltd  
 Oil & Natural Gas Corporation Ltd  
 Petro Canada - Terra Nova Project  
 Petrobras SA  
 Premier Oil Natuna Sea Ltd  
 PTT Exploration & Production plc  
 Qatar Petroleum  
 Ras Laffan Industrial City  
 Sarawak Shell Berhad  
 Shell International E&P BV  
 Shell Petroleum Dev. Co. of Nigeria Ltd  
 Shell Todd Oil Services Ltd  
 Sonangol Pesquisa & Produção  
 StatoilHydro  
 Talisman Energy (UK)  
 Talisman Malaysia Ltd  
 Total Exploration & Production  
 Total Austral (Argentina)  
 Total E&P Nederland BV  
 Total E&P UK plc  
 Wintershall Noordzee BV  
 Woodside Energy Ltd  
 Zakum Development Company

#### IMCA welcomes the following new members:

##### ◆ ABPro Pte Ltd

##### ◆ Advanced Energy Systems (ADES)

Based in Cairo, Egypt, ADES operates with a prime focus on rigless offshore hydraulic workover, well servicing, platform maintenance and marine vessel operations. It owns self-propelled, self-elevating liftboats offering flexible, self-contained work platforms with 160 man accommodation.  
 Tel: +20 2 2754 8834/8 Web: www.adesegypt.com

##### ◆ Alfa Petroleum Services

##### ◆ Arab Tanker Services

##### ◆ Argus Remote Systems AS

##### ◆ ARV Offshore Co Ltd

A rapidly growing oil & gas services company headquartered in Thailand, ARV's prime business sectors are: offshore field development for small to medium oil & gas companies, and innovative solutions for medium sized projects (including EPCI work) for large oil & gas companies.  
 Tel: +66 (0) 2937 5155 Web: www.arv-offshore.com

##### ◆ ASP Rope Access

##### ◆ Bibby Ship Management Group Ltd - Europe & Africa

##### ◆ Chevron Nigeria/Mid-Africa

##### ◆ ConocoPhillips

The ConocoPhillips Global Production Marine Operations group provides upstream marine operations expertise to the company. Staffed with marine specialists with qualifications and experience in marine engineering, propulsion and machinery design, ship and cargo handling systems, mooring analysis, floating production system operations and port and terminal operations, it provides expertise and operational guidance to all company marine assets.

##### ◆ Department of Labour

##### ◆ Divers University Esporte Aquático Ltda

##### ◆ EDT Marine Construction Ltd

##### ◆ Elmbridge Subsea Ltd t/a The ROV Training Centre

##### ◆ Hydratight Ltd

##### ◆ Inspectahire Instrument Co. Ltd

Established in 1981, Inspectahire Instrument Co. Ltd was founded with the goals of applying engineering and optical solutions to diverse inspection applications. It hires, sells and contracts visual inspection and NDT technology throughout the UKCS and overseas.  
 Tel: +44 (0) 1224 789 692 Web: www.inspectahire.com

##### ◆ Jack's Dive Chest Commercial Diving School

##### ◆ Jifmar Offshore Services

A French operator of multi-purpose vessels, offering terminal services to the oil & gas community and providing inspection, maintenance and repair (IMR), line handling, hose handling and underwater intervention services.

Tel: +33 6 18 31 76 88 Web: www.jifmar.fr

##### ◆ Lerus Ltd

A manning agent located in Odessa, the largest port in Ukraine and home to thousands of seamen. The company has an extensive database of Ukrainian, Russian, Polish and other officers and ratings.

Tel: +380 48 717 3753 Web: www.lerus-online.com

##### ◆ Maridive & Oil Services

An Egyptian owned company founded in 1978, Maridive owns and operates an expanding fleet of fifty vessels (AHT, AHTS, DPI, DSV and mooring vessels), all are certified by ISO, ISM and ISPS with crews competent according to STCW requirements.

Tel: +20 3 585 2899 Web: www.mosalex.com

##### ◆ Miclyn Express Offshore Pte Ltd

##### ◆ MSTs Asia Sdn Bhd

##### ◆ Naurex Resources

##### ◆ SC Shark SRL

##### ◆ Searov Offshore

##### ◆ Sheffield Offshore Services Pte Ltd

##### ◆ Southern Institute of Technology

##### ◆ Survie Mer Formation

A training centre specialising in survival at sea techniques in Marseilles (south of France), providing STCW 95 certification for seamen working onboard merchant ships (crew), on drill units (technicians, divers, staff team, etc.) and sailors, as well as BOSIET and HUET courses.

Tel: +33 6 12 91 34 00 Web: www.surveimerformation.com

##### ◆ UMC International plc

##### ◆ UTEC Survey, Inc.

An offshore survey company providing survey support for offshore construction, dimensional control, geotechnical and geophysical survey services. With a strong base of survey expertise and experienced personnel, it offers sophisticated and precise surveying solutions worldwide.

Tel: +1 713 984 8688 Web: www.utecsurvey.com

##### ◆ Varun Shipping Company Ltd

#### Recent name changes

- ◆ CTC Marine, DeepOcean and Trico Marine are now DeepOcean (a Trico Group company)
- ◆ GDF Production Nederland bv is now GDF Suez E&P Nederland bv
- ◆ Proserv Abandonment & Decommissioning is now Proserv Offshore
- ◆ ROV Supply Pte Ltd is now Rovsco Asia Pte Ltd
- ◆ Skan-El Skipsprosjektering AS is now Skan-El AS
- ◆ Submersible Television Surveys Ltd is now Submersible Technology Services (UK) Ltd
- ◆ Subtech Offshore is now Subtech Qatar Diving and Marine Services LLC
- ◆ Cynergetix Pte Ltd is now TGH AP Pte Ltd
- ◆ Electrical Power Engineering Ltd is now Wartsila Electrical & Automation Services

# You may have missed ...

This 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:

- ◆ **Outline syllabus for training of personnel in supervisory positions (IMCA C 011)**
- ◆ **Medical guidelines for non-marine crew working in the offshore environment: A guide for examining physicians (IMCA C 012)**
- ◆ **Proceedings of the IMCA annual seminar 2008 (Kuala Lumpur, Malaysia) (IMCA M 195)**

## Safety flashes:

- ◆ **Safety flash 17/08** – covering 6 incidents: Accidental shutdown of main engines; Fatality – struck down by falling object during lifting operation; Stored energy – injury sustained whilst removing metal straps; Failure of webbing strop during lifting operations; Uncontrolled movement of crane jib during inspection; Failure of lifting padeye
- ◆ **Safety flash 18/08** – covering 2 incidents: Mini transponder falling from crane wire to deck; Failure of pipe handling system causes injuries and fatalities
- ◆ **Safety flash 01/09** – covering 3 incidents: Anchor drag near-miss incident; Dangers of medicine abuse; Counterfeit hydrostatic release mechanisms for life-rafts
- ◆ **Safety flash 02/09** – covering 2 incidents: Winch drum failure – deep water operations; Schat Harding product awareness notice – free-fall lifeboat hooks

## Information notes:

### Safety, Environment & Legislation (SEL)

**IMCA SEL 01/09** – SEL documents issued in 2008

02/09 Results of the IMCA Member Satisfaction Survey 2008

03/09 Draft NWEA guidelines for the safe management of offshore supply and rig move operations – industry consultation

### Competence & Training (formerly TCPC)

**IMCA TCPC 05/08** – Training and certification requirements for personnel operating dynamic positioning systems

**IMCA C 01/09** – TCPC documents issued in 2008

02/09 Results of the IMCA Member Satisfaction Survey 2008

### Diving Division

**IMCA D 14/08** – Election results: Diving Division Management Cttee

15/08 New style certificates: IMCA Offshore Diving Supervisor and Life Support Technician Certification Schemes

01/09 Diving Division documents issued in 2008

02/09 Results of the IMCA Member Satisfaction Survey 2008

03/09 Member feedback sought on incidence of decompression illness

### Marine Division

**IMCA M 21/08** – Training and certification requirements for

01/09 Marine Division documents issued in 2008

02/09 Concerns about programmable logic controllers (PLCs) in marine operations: Note to senior management

03/09 Results of the IMCA Member Satisfaction Survey 2008

04/09 Draft NWEA guidelines for the safe management of offshore supply and rig move operations – industry consultation

### Offshore Survey Division

**IMCA S 01/09** – Offshore Survey Division documents issued in 2008

02/09 Results of the IMCA Member Satisfaction Survey 2008

### Remote Systems & ROV Division

**IMCA R 01/09** – Remote Systems & ROV Division documents issued in 2008

02/09 Results of the IMCA Member Satisfaction Survey 2008

If you aren't receiving documents that you think should have been sent to you, please contact the secretariat to check your representation and contact records so that we can keep you up to date:

[information@imca-int.com](mailto:information@imca-int.com)

## PROVIDING WATER WORLDWIDE



**Coral Sea Range** 10 - 25 tons/day

**North Sea Range** 20 - 80 tons/day

**Tasman Sea Range** 41 - 199 tons/day

**S E Asia Contact**



Advanced Marine Pte Ltd /  
Hydro Resources Asia Pte Ltd  
Tel. +65 62658122  
Fax. +65 62657591  
[sales@hydroresources.com.sg](mailto:sales@hydroresources.com.sg)  
[www.hydroresources.com.sg](http://www.hydroresources.com.sg)

**Horizon  
Reverse  
Osmosis**

**Danfoss  
Sea Recovery**  
REVERSE OSMOSIS DESALINATORS

Pioneer of fresh water since 1975

Email: [sales@globalgases.ae](mailto:sales@globalgases.ae)  
Website: [www.globalgases.com](http://www.globalgases.com)

**GLOBAL GASES**  
IN PURSUIT OF EXCELLENCE



• Pure Argon • Welding Gases • High Purity Helium • Diving Gases



## Diving Division

### Umbilical kink tests

Investigation is underway into diver umbilical kink testing.

Concern has been expressed by diving contractors about the potential loss of gas to the diver due to a kinked umbilical and the issue has been discussed by the Diving Safety, Medical, Technical & Training (SMTT) Committee.

Committee members have personally noted a number of incidents they know to have occurred in the industry over the recent months.

Diving umbilicals are generally supplied with 'minimum bend radius criteria', but these are all too easily exceeded in the difficult environmental conditions encountered when diving offshore.

The committee is aiming to raise awareness of the issue among contractors world-wide and is seeking details from Diving Division members on any similar incidents and the remedial measures they have implemented, for anonymised compilation and analysis and to help develop IMCA guidance.

*If you are able to provide such information or otherwise wish to contribute to this work, please contact [Paul.Evans@imca-int.com](mailto:Paul.Evans@imca-int.com)*

### Wanted – advances in diving equipment

A workshop on the advances in safety-related diving equipment was held during the 2008 IMCA annual seminar, held in Kuala Lumpur, Malaysia, in November. Delegates were split into groups and tasked with discussing the developments they had experience of and putting forward items to form the following wishlist for future development:

- ◆ Online monitoring of gas purity for hydrocarbons
- ◆ In-helmet heads-up displays
- ◆ Umbili-wheel
- ◆ Electronic diver depth monitoring with excursion alarms
- ◆ Reduction in size of diver backpacks
- ◆ Hyperbaric evacuation policy, methodology to be developed by IMCA (a current project)
- ◆ Vitalink or similar system to be promoted and used more
- ◆ Ergonomics and comfort factor for dive teams to be addressed
- ◆ Hyperbaric defibrillator
- ◆ Investigation and guidance on maximum age of diving systems

The Diving Division Management Committee reviewed these discussions and is keeping a watching brief on developments. Members of the division are ideally placed to provide updates on equipment developments and are invited to provide feedback on whether some of these items already exist or are planned.

*Please contact [Paul.Evans@imca-int.com](mailto:Paul.Evans@imca-int.com) if you can help.*

### Competence guidance being extended

As part of the IMCA-wide review, the competence assurance and assessment tables covering diving personnel are currently under review.

The first phase, updating the existing tables to reflect industry developments, is complete. The 2008 annual seminar included a

workshop to discuss diving personnel competence. This resulted in a request to extend the competence tables with task-based information. This work is now underway within a Diving Division workgroup.

*For more details, please contact [Paul.Evans@imca-int.com](mailto:Paul.Evans@imca-int.com)*

### Certification schemes

IMCA's Offshore Diving Supervisor and Life Support Technician certification schemes are now fully administered from the London secretariat offices.

Please direct all enquiries regarding applications, examination arrangements and certificate verification to Genine da Cruz Harvey, Certification Schemes Administrator. Updated forms with these details are available.

[Genine.daCruz-Harvey@imca-int.com](mailto:Genine.daCruz-Harvey@imca-int.com)  
IMCA, 5 Lower Belgrave Street,  
London, SW1W 0NR, UK  
Tel: +44 (0) 20 7824 5520  
Fax: +44 (0) 20 7824 5521

### Election results

The 2009 biennial election of the Diving Division Management Committee saw Alan Forsyth (Subsea 7) re-elected as chairman, with Paul Blewett (Technip) as the new vice-chairman (having held various committee roles under IMCA and AODC previously).

New members of the committee include Craig Cook of SMIT Subsea in Singapore, further enhancing the committee's global perspective.

## SUBMARINE MANUFACTURING & PRODUCTS LTD

[www.smp-ltd.co.uk](http://www.smp-ltd.co.uk)

**Worldwide Suppliers of Diving, Hyperbaric & Subsea Equipment**

BELLS & UMBILICALS • CHAMBERS • COMPRESSORS  
CONSOLES • ECUS • FILTERS • FITTINGS • GAUGES  
HELMETS • HYDRAULICS • HOT WATER SUITS & SYSTEMS  
LIGHTS • RADIOS • RECLAIM SYSTEMS • REGULATORS  
SAT SYSTEMS • UW VIDEO

**Submarine Manufacturing & Products Ltd**

Blackpool Road, Newton, Preston, Lancashire PR4 3RE, UK.

Tel: +44 (0)1772 687775 • Fax: +44 (0)1772 687774



## Trust has to be earned...

Divex customers choose the **World Leaders in Diving Equipment Technology** because they trust us to deliver - every time.

**Customer confidence** underpins everything that Divex does - confidence in our world class design expertise and engineering facilities, in the competence of our personnel, in the quality and reliability of the equipment that we supply and in the Divex Global Facilities Network, which serves the international diving community **24 hours a day, 7 days a week.**

*When you're looking for a company to trust - trust Divex.*



Divex Ltd

Tel: +44 (0)1224 740145

Email: [info@divexglobal.com](mailto:info@divexglobal.com)

[www.divexglobal.com](http://www.divexglobal.com)



## Marine Division

### DMC Offshore Pte Ltd

MARINE & ENGINEERING  
CONSULTANCY



Finding Solutions, Solving problems

Consultants for Dynamic Positioning Operations relating to Deep

Water Drilling, Diving, Construction and FPSO's.

Our team have many years of hands on experience in senior positions, we pride ourselves in finding solutions to problems, not work lists.

We also provide the following services:

Shipyard Project Management  
Marine Consultancy  
Warranty  
Client Representation  
Incident Investigation  
Vessel Audit Survey and Inspection  
3<sup>rd</sup> Party Verification and Quality Assurance

Engineering & Technical Services  
NDT & Inspection  
Subsea and Well Control  
Equipment provision and assembly  
System Audits  
Rig Moving and Towage  
Brazil Vessel Importation  
EWT / EP FPSO Services

#13-04, 36 Robinson Road, Singapore 068877 Tel: +65 6227 8483 Fax: +65 6227 5324  
Email: [enquiries@dmcoffshore.com.sg](mailto:enquiries@dmcoffshore.com.sg) [www.dmcoffshore.com.sg](http://www.dmcoffshore.com.sg)

## IMO report

The 2008 member satisfaction survey (see page 2) included a question on which organisations IMCA should be working with on behalf of members. A number of you mentioned the International Maritime Organization (IMO). In fact, IMO monitoring, briefing and attendance at meetings is already a major area of work for our technical team.

IMCA has held non-governmental observer status at IMO since 1999 and regularly attends meetings on a variety of topics at the IMO headquarters in London.

Briefing and opportunities for member input are provided on relevant issues by way of information notes – generally those sent to Marine Division and SEL representatives or more widely for issues of wider relevance – reports are included in the minutes of regular meetings and all of these are listed in our monthly documentation summary.

However, if you wish to put forward a particular area relating to IMO developments which IMCA could usefully address on behalf of members, please contact the secretariat's technical team ([imca@imca-int.com](mailto:imca@imca-int.com)).

Over recent months the secretariat has been especially active on two particular issues affecting members, which are the focus of the rest of this feature.

### SPS Code and OCSVs

In January 2008 IMCA established a workgroup comprising IMCA members and other bodies, to look into issues arising from the IMO review of the Special Purpose Ships (SPS) Code.

A joint paper with with German delegation was submitted to the IMO Maritime Safety Committee (MSC) at its November 2008 meeting. The following plenary debate resulted in the issues raised being passed to the IMO sub-committee on Ship Design & Equipment (DE) for addition to its programme. The intention is for the sub-committee to resolve the issue within two sessions (over about twelve months) and report back to MSC.

The first DE sub-committee meeting is scheduled for 16-20 March 2009. IMCA has arranged a lunchtime presentation at IMO headquarters during the meeting to demonstrate and discuss the variety of offshore vessel types and range of activities they undertake and to highlight the views of offshore construction industry vessel operators on this important issue.



*The Normand Installer, one of the industry's extensive and diverse fleet of offshore construction support vessels, which IMCA is bringing to IMO's attention*  
Photograph courtesy Solstad Shipping

# TRIED TESTED TRUSTED

## BUOYANCY AND ELASTOMER PRODUCTS

[www.buoyancydelivered.com](http://www.buoyancydelivered.com)



SSTB, 3-5 Mar  
Booth 145

OTC, 4-7 May  
Booth 2341

BALMORAL



SUBSEA SERVICES

WHEREVER YOU NEED US TO BE

K2 Subsea is a division of K2 Specialist Services (K2). We provide a range of 3rd party auditing and quality assurance services to offshore operators and marine contractors involved in subsea activities.

### Overview of Our Services

- Evaluation and Testing of Hyperbaric Rescue Systems
- 3rd Party Dive System Audits
- 3rd Party ROV Audits
- Failure Mode and Effect Analysis (FMEA)
- Subsea Equipment Asset Management System (SEAMS)
- NDT and Quality Assurance Services
- Engineering Services

Contact : Tel: +(65) 65457646

Fax: +(65) 65457138

Email: [k2.sale@k2velosi.com](mailto:k2.sale@k2velosi.com)

Website: [www.k2velosi.com](http://www.k2velosi.com)



K2 IS A MEMBER OF THE VELOSI GROUP



Members are asked to submit details of the problems they are facing in respect of application of the revised SPS Code by flag or coastal states, together with any specific comments on the code itself, to the secretariat.

For more information or to contribute to this work, contact Philip.Wiggs@imca-int.com

## DP operator training

The fortieth meeting of the IMO sub-committee on Standards of Training and Watchkeeping (STW) took place on 2-6 February 2009. A major topic for discussion was the revision of the convention and code on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), which is intended to be completed in 2010.

There was much of interest to IMCA members during the meeting, but of particular concern was a proposal from India to include training and certification requirements for personnel operating dynamic positioning systems within the STCW code.

Although IMCA, broadly speaking, welcomed the recognition of the need for training and certification, it was felt that the specific proposal needed further work and that the incorporation of this subject matter should be as

guidance in the voluntary section of the code, rather than as mandatory requirements.

Various maritime administrations endorsed the inclusion of such guidance and the sub-committee instructed India, IMCA and OCIMF (the Oil Companies International Marine Forum – also an observer organisation at IMO) to jointly develop draft guidance. This will then be considered by an inter-sessional workgroup (STW-ISWG) later this year before eventual submission back to the STW sub-committee during 2010.

It should be remembered that STCW deals with standards necessary for the safety of life at sea and prevention of pollution rather than more specific occupational standards.

The relevant parts of guidance set out in IMCA M 117 – *The training and experience of key DP personnel* – and IMCA C 002 – *Competence assurance and assessment: Guidance document and competence tables: Marine Division* – will, however, form an important basis of IMCA's initial contribution to this work as we seek to relay our members' collective expertise and industry good practice guidance.

For further details or if you wish to be involved in this work, please contact [Ian.Giddings@imca-int.com](mailto:Ian.Giddings@imca-int.com)

## Guidance on UPSs

Draft guidance on the design, selection, installation and use of uninterruptible power supplies (UPSs) onboard vessels has been developed and submitted to IMCA by its consultant.

A comprehensive text, the guidance covers aspects including:

- ◆ types of UPS currently in use
- ◆ types of direct current (DC) power supplies
- ◆ types of battery
- ◆ application of UPSs and DC supplies onboard vessels
- ◆ integration with other vessel systems
- ◆ strategies for UPS and DC distribution
- ◆ switching requirements
- ◆ operational issues
- ◆ suitability for marine applications.

This advanced draft is now being formatted ready for distribution to IMCA committees in accordance with the usual approval procedures.

Final publication of the guidance is expected later this year.

For more details please contact [Jane.Bugler@imca-int.com](mailto:Jane.Bugler@imca-int.com)



Auto Dynamic Positioning Services Ltd

DP Solution Provider - to the DP offshore industry

Worldwide Operations to Include

DP Vessel Management  
DP Vessel Crew Management  
Mentor DP Training

Consultancy:

DP Audits  
FMEA's  
Warranty Surveys - Fit For Purpose  
Bespoke Design

Contact Us:

Tel: +44 1752 226797 Fax: +44 1752 268789 [www.adpsltd.com](http://www.adpsltd.com) Email: [info@adpsltd.com](mailto:info@adpsltd.com)

need an expert?



Totally transforming...



...the lifecycle of power, propulsion and automation systems

Achieving enhanced reliability and performance over extended lifecycles has never been easier thanks to ABB's maintenance and upgrade solutions.

To find out more call +44 (0) 1224 592123 or go to [www.abb.com/marine](http://www.abb.com/marine)

ABB Limited  
Maritime House  
21-25 Commerce Street  
Aberdeen, AB11 5FE

Power and productivity  
for a better world™



## THE DYNAMIC POSITIONING CENTRE Technical Services & Training

The Dynamic Positioning Centre specialises in providing technical services to the marine and offshore industry from shipyards constructing Dynamically Positioned vessel to owners entering this specialist area;

- Consultancy in the design and build of DP Vessels

- Consultancy in the operation of DP vessels
- Failure Mode Effect Analysis (FMEA's) as required by Classification societies for DP-2 and DP-3 vessels
- Audits (to IMCA and Charter requirements)



[www.thedpcentre.com](http://www.thedpcentre.com) e [courses@thedpcentre.com](mailto:courses@thedpcentre.com)  
t +44 (0) 20 7407 3131 t (Singapore) +65 6318 4950



# Offshore Survey and Remote Systems & ROV Divisions

## ROV statistics

Each year IMCA undertakes an analysis of ROV activity, which provides a useful benchmark for monitoring ROV work.

One use of the data is to provide background for any discussions on the state of the industry and when describing the extent of operations in a variety of situations.

The analysis is now undertaken on a global basis and all ROV contractor (ICO/Co) members are asked to submit their data as soon as possible.

To contribute or for further details on this initiative, please contact Nick.Hough@imca-int.com

## Digital video

Finalisation of IMCA's updated review of current and future digital video technology is currently underway, with a revised version of IMCA R 012/ S 008 due for publication in the coming weeks.

The next task for the Digital Video Workgroup is development of a set of case studies on the use of such technology in our industry.

Contact Nick.Hough@imca-int.com for further information.

## Updated competence tables due

You will have read elsewhere in this issue that the full set of competence assurance and assessment tables is currently under review, some six years following the latest update and ten since the original publication.

The Offshore Survey and Remote Systems & ROV Divisions have been enthusiastic adopters of the guidance for many years, with additional material developed aimed at the freelance personnel used widely in each sector. It is no surprise, therefore, that these are expected to be the first divisions to produce updated competence tables with workgroup reviews complete and circulated for final committee review.

A key aspect of the IMCA-wide review has been to clarify and standardise specific the specific competence requirements under the headings 'knowledge', 'ability' and 'demonstration' and improve the consistency of language and format between the four divisions.

Specific updates for the Offshore Survey Division (IMCA C 004) include harmonisation of core competencies for each grade (senior, grade I and grade II) covering, safety, emergency response, behavioural factors, IT skills and seamanship.

The updated Remote Systems & ROV Division volume (IMCA C 005) has been updated to include a new level of 'ROV superintendent', reflecting similar roles in the diving and offshore survey disciplines, and ROV tooling technician grades have been introduced. As with the offshore survey competencies, there has been an overall revision, bringing the terminology up to date, and a move to common core competencies throughout, of safety, emergency response and communication skills.

The new guidance documents will be issued to members as they become available, with updates also made available online at [www.imca-int.com/competence](http://www.imca-int.com/competence)

## Ocean Careers

IMCA is supporting a new event – *Ocean Careers* – which takes place on 31 March-2 April in Southampton, UK.

The event runs alongside *Ocean Business* and in future years will alternate with the *Oceanology International* exhibition and conference in London, UK (both events are biennial).

The intention is to alert potential recruits – particularly those at college and university level – to the diverse range of possibilities available in the marine contracting industry so holding the event where many IMCA members already exhibit is a great opportunity for the recruits to learn not just the hard facts, but to discuss their own options and the range of activities undertaken by (and roles available in) the industry.

IMCA, a supporter and member of the Ocean Careers organising committee, will be exhibiting at the event, where the full range of careers information produced over the past year – factsheets, case studies, in-depth articles and more – will be available.

For more details on the event or to obtain careers materials for your own use, please contact the secretariat offices.



**PETROLIS**  
Your offshore crewing solution

**Petrolis provides technical assistance services to the offshore oil and gas industry world-wide.**



We supply individual personnel or can build up a complete team in all areas of offshore operations including subsea works, FPSO installation, etc.

The qualifications of our personnel comply with recognised international standards, including BOSIET.

We also make all necessary arrangements for visas and travel as required.

Please contact Patricia Merella on +41 22 593 87 41 or e-mail us:

### Petrolis SA

54 bis route des Acacias - 1227 Carouge - Switzerland

Tel: +41 22 593 87 40

Fax: +41 22 310 09 63

E-mail: [contact@petrolis.ch](mailto:contact@petrolis.ch)

[www.petrolis.ch](http://www.petrolis.ch)



KB Associates Pte Ltd  
A Member of IMCA

**Your partner in providing independent service to the offshore industry.**

**Providing you with unparalleled solutions for your business.**

### Audits

Diving Systems  
ROV Systems  
Safety Management Systems  
DP & Marine Vessels Audits  
Rig / MODU Audits

### Consultancy

Equipment Valuation  
Safety Management  
Technical Authorship  
Procedure Writing  
Dive System Build  
Project Risk Analysis  
Project HAZIDS  
Arbitration

### Services

Client Representatives  
Project Co-ordination  
Inspection Personnel  
SDPO & DPO Personnel  
Diving System FMEA  
Hyperbaric Evacuation Systems (HES)  
Environmental Testing



KBA - A Total Quality Management Company



For more information contact us or visit our website [www.kbassociates.org](http://www.kbassociates.org)

### KB Associates Pte Ltd

No. 26 Changi North Crescent, 3rd Floor, Diethelm Keller Building, Singapore 499637  
Tel: +65 6546 0939/+65 6546 0952 Fax: +65 6546 3986 Email: [enquiries@kbassociates.org](mailto:enquiries@kbassociates.org)





## Spotlight on Steve Sheppard

Steve Sheppard is Diving Manager of Helix Energy Solutions Group's Well Ops UK subsidiary and has recently become Chairman of the IMCA Competence & Training Committee. In this article, he discusses his 'day job' and provides a personal insight into the issues his committee is currently addressing on behalf of members.

### *Tell us about your company*

Helix Well Ops UK (WOUK) is part of the Well Operations division of Helix Energy Solutions Group. WOUK conducts a range of wellhead intervention projects from the *Seawell*, supported by the vessel's saturation diving capabilities, while a wide range of subsea construction activities can be performed in parallel with well intervention or as stand-alone projects. We have recently taken delivery of our new-build well intervention vessel with an 18 man saturation system – the *Well Enhancer*.

### *What is your current job?*

I am Diving Services Manager. This means I am responsible for supporting projects with the diving equipment, personnel and procedures required to execute the project's scope of work. Recently, a lot of my time has been spent on the diving system integration on the *Well Enhancer*.

### *How did you get to this point in your career?*

I graduated from Aberdeen University in 1981 with an honours degree in physiology. The courses had included several aspects of diving physiology which I found fascinating. I embarked on a postgraduate doctorate but became disillusioned and decided to try to get involved in the offshore diving industry. After many months of trying, I secured my first job in life support in '82 and, as was common in those days, worked offshore for various companies on worksites in many locations. After about 10 years offshore, I was given the opportunity to move onshore to work on various aspects of diving safety and operations management. Since then I have had the good fortune to work with great people and characters around the world in project, operations and diving management.

### *What issues are affecting the industry now?*

I am afraid that this theme has been raised numerous times in previous issue of Making Waves but is still very high on the list of key areas; how do we find the right people to fill the positions that are needed now and the significant increase in required numbers as the new tonnage starts operating? My particular concern is in the diving industry but I know that the same issues pose significant challenges in disciplines such as marine, ROV and survey.

I feel there is a real danger of "experience dilution", as key personnel approach retirement or are transferred to new vessels and their

places are filled by personnel without their depth of experience and knowledge.

We are also introducing more complex and sophisticated equipment into our systems that may require a level of expertise and speciality that has not so far been needed in the technical support roles onboard our ships.

The combination of these factors and the state of the industry has the potential to introduce too many elements that could, unless recognised, acknowledged and managed, affect our ability to conduct our future operations to the high standards of operability and safety we have worked so hard to achieve.

### *How can these be taken forward?*

Many companies have recognised the challenges and have made significant progress in implementing a variety of schemes and control measures to recruit and train personnel. I believe there is some room for co-operation in establishing common entry requirements, common basic training and training programmes. This naturally links with the competence schemes administered by different contractors. Cross-company acceptance and recognition of an individual's portfolio and experience may assist in an industry that often has to rapidly mobilise transient or self-employed workers.

On a related note, we must ensure that our workforce recognises the importance of active participation in competence schemes and encourage supervisors to endorse evidence of training and assessment. Such participation helps individuals and allows employers to monitor progress and gauge readiness for promotion or, if necessary, provide targeted training to fill gaps in knowledge and assist in attaining competency.

### *How does IMCA help?*

IMCA's importance comes from its increasing size and diverse composition. Its members bring a huge range of experience and expertise from a variety of operating environments. IMCA extracts, channels and presents this diverse knowledge in a common, organised structure for the benefit of all its members, whether they are actively contributing or not. The adoption of good practice guidance promulgated globally by IMCA has contributed significantly to improving efficiency and safety.

In relation to training and competence, we see the benefit of the diving supervisor and LST schemes and the evolution of the competency frameworks for the different disciplines that companies can adopt and align to their own requirements. One of the challenges for IMCA is to review such schemes periodically to ensure they continue to address the demands of our industry and perhaps evolve whilst ensuring that we maintain the high standards required.

*Challenging times lie ahead, with a busy industry, skills shortages and the 'credit crunch' – can contractors afford the time to spend on competence administration?*

This question assumes that companies actually used to spend adequate time on competence administration even before these heady times of increased activity, skills shortages and the 'credit crunch'! I am not entirely convinced that this was in fact the case. Nevertheless, efficient administration of competency schemes need not be an expensive affair. Failure to administer a scheme can, of course, leave gaps with potentially disastrous (and very expensive) consequences. This is even more possible with the increased level of complexity we are bringing to our operations and the equipment used to execute and support them.

There is a parallel with safety management here: if you think safety is expensive, just wait until you see the cost of an accident!

### *Why the 'Competence & Training' relaunch?*

The 'old' TCPC committee was central to many of IMCA's achievements over its 12 years. The enormous benefits realised by members are testament to the hard work and efforts of the previous chairmen and committee members.

It is, of course, the intention of the Competence & Training committee to continue this valuable work by focusing on the challenges associated with establishing competence and using the specialised division committees to add flesh to the framework provided by the C&T committee.

We will also build on recent work aimed at attracting new entrants to the industry and will address training needs with contractors, clients and training providers in a way that adds the most value without being suffocating.

### *How do you see the future?*

I think the apparent 'knee jerk' to the rapid fluctuations in the prices of oil and gas will be a real challenge for contractors and could lead to mixed priorities. A focus on driving down rates could compromise our ability to take on trainees and develop the skills we need throughout the next decade and beyond.

Both contractors and clients expect and deserve competent crews. They must recognise that our industry requires new personnel. Every new entrant is initially only of limited productivity, occupying bed space on an offshore worksite or desk space in an office. Without acceptance and accommodation of this temporary 'burden', our industry's future will be even more challenging.

## Forthcoming events

- 3-5 March  
Subsea Tieback  
San Antonio, USA
- 10 March  
**Americas Section**  
Houston, USA
- 11-12 March  
**Covering the global HSE bases** – IMCA safety seminar  
Houston, USA
- 18-20 March  
China Offshore Summit  
Beijing, China
- 26-27 March  
Decommissioning & Abandonment Summit GoM 09  
Houston, USA
- 31 March-2 April  
Ocean Careers, Ocean Business and Offshore Survey 09  
Southampton, UK
- 31 March-2 April  
MCE Deepwater Development  
Copenhagen, Denmark
- 22-23 April  
OSV Asia Pacific  
Singapore
- 28-30 April  
North Sea Offshore Cranes & Lifting Conference  
Stavanger, Norway
- 30 April  
**Asia-Pacific Section**  
Bangkok, Thailand
- 4-7 May  
OTC, Houston, Texas, USA
- 12-13 May  
IADC Environmental Conference & Exhibition  
Stavanger, Norway
- 20 May  
**IMCA Social Reception**  
London, UK
- 27 May  
**IMCA Golf Day**  
Aberdeenshire, UK
- 27-29 May  
Deepwater Asia Congress  
Shanghai, China
- 12 June  
**Midsummer Charity Ball**  
Kincardineshire, UK
- 8-11 September  
Offshore Europe  
Aberdeen, UK
- 5-7 October  
Middle East Workboats  
Abu Dhabi, UAE
- 4-5 November  
**Integrated marine operations in challenging times** – IMCA annual seminar  
Rio de Janeiro, Brazil

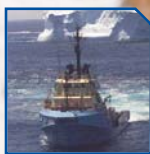
For full details on forthcoming IMCA and third-party events, please visit the website:

[www.imca-int.com/events](http://www.imca-int.com/events)

together with the



# COVERING THE GLOBAL HSE BASES



**Presentations** – speakers from leading contractors, oil companies and other specialist organisations on topics including:

- ◆ Clients and contractors working together for safety
- ◆ Occupational health and travel medicine
- ◆ Behavioural and culture-based safety
- ◆ Learning from incidents – case studies

**Round table discussions** – bringing together managers, offshore personnel, clients, consultants and others to discuss a variety of safety issues, sharing lessons learnt and identifying areas for future IMCA work

**Safety Share Fair** – with displays from marine contractors on their successful safety initiatives, sharing ideas and spreading good practice throughout the industry

### Houston Livestock Show and Rodeo at Reliant Park

Highlight of the seminar's social events, delegates will be transported to the show with entry, food and drink, plus the rodeo events themselves – all included in the seminar fee!

**11-12 March 2009**  
Minute Maid Park, Houston, USA



## IMCA Social & Networking Events

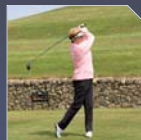
### HQS Wellington Reception

20 May 2009  
HQS Wellington, London, UK



### Golf Day

27 May 2009  
Newmachar Golf Club  
Aberdeenshire, London, UK



### Midsummer Charity Ball

12 June 2009  
Banchory Lodge Hotel  
Kincardineshire, UK



Details on all of these events will be circulated to members shortly.

Keep up to date on forthcoming social and networking events via our website:

[www.imca-int.com/events/social](http://www.imca-int.com/events/social)

## IMCA Annual Seminar 2009

# Integrated Marine Operations in Challenging Times

A call for papers has been issued for the 2009 IMCA annual seminar and is available now at [www.imca-int.com/events/seminar/](http://www.imca-int.com/events/seminar/)

Papers are sought on a variety of topics identified under four major headings:

- ◆ Deep water technology and equipment
- ◆ Offshore diving
- ◆ ROV and AUV operations
- ◆ Offshore survey

Full details on the event will be placed online as they become available.



**4-5 November 2009**  
at the Sofitel hotel  
Rio de Janeiro, Brazil