

Central & South America Section off to flying start

IMCA's newest regional section gets underway with a well attended briefing event in Rio de Janeiro and exciting plans for November's annual seminar

Around 100 delegates attended the first event held by the newly-formed IMCA Central & South America Section – a briefing seminar at the Guanabara Palace Hotel in Rio de Janeiro, Brazil, on 1 July.

The event began with an introduction to IMCA, given by Hugh Williams, Chief Executive. He described the association's objectives and its structure – core activities, technical divisions and regional sections, before going into detail on the establishment of this new section, including membership, introductory subscription fee arrangements for new and existing members and future meeting plans. Members are encouraged to prompt their sister companies in the region to apply.

Jane Bugler, IMCA Technical Director, then gave an overview of the work of the two core committees – Competence & Training and Safety, Environment & Legislation – and four technical divisions – Diving, Marine, Offshore Survey and Remote Systems & ROV. She

highlighted the key guidance documents produced by each committee and their current work programmes.

Denis Hattet of Technip then gave an interesting presentation on new subsea solutions for deep water development in Brazil, describing a pipe installation project. He was followed by Andrew Theophanatos of Noble Denton on DP assurance, identifying how a marine consultant uses IMCA guidance documents and other materials in the process.

A question-and-answer session then followed which covered a wide range of topics, including: integration of IMCA guidance with existing systems; diving training and certification in the region; and the availability of

IMCA guidance in other languages (including translation of certain key documents which is already underway).

Plans are now underway to hold elections, initially for the section's chairman and vice-chairman, with election of representatives to serve on the various technical committees to follow.

Annual seminar

This year's annual seminar is fast approaching. With the theme of *Integrated marine operations in challenging times*, the event aims to repeat the successes of recent events in Malaysia, France and the UAE.

A packed programme has been assembled, with keynote presentations on contracting issues following by themed

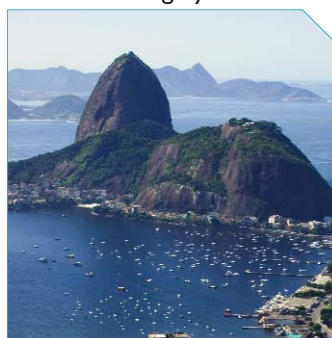
sessions for marine, diving and survey/ROV topics. Every presentation session will have simultaneous translation into Brazilian Portuguese.

Various workshops will cover the full range of technical activities, 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 and welcome 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



Also in this issue:

Membership passes 600

IMCA membership has grown by over 20% in the past year, standing at over 600 today, bringing increased profile and a stronger voice to the association.

More details on page 3
plus the Member Directory in the centre pages

Highlighting safety messages

A new poster and the latest IMCA pocket card have been published, setting out key messages on safety for the offshore workforce.

Find out more on page 4-5

Digital video guide update

An updated version of IMCA's review of digital video technology and its application offshore has been published, with new case studies being developed.

Get the full story on page 13

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News from around IMCA

Social events raise IMCA's profile

... and funds for charity too

IMCA's social events are more than just an opportunity to meet up with old friends from the industry – they are a vital way of bringing together industry colleagues in an informal environment where they can discuss business and network with potential clients and industry partners too. Recent months have seen a number of such events take place, while IMCA's seminars and regional section meetings bring together even greater numbers around the globe on a regular basis.

Social reception aboard HQS Wellington

A later spring date and a calm day enabled those attending this year's reception to spread to the upper deck of the HQS Wellington, a magnificent floating museum moored on the Thames in London, UK.

200 guests – members and other industry colleagues – joined with secretariat personnel to enjoy the reception, which offered great refreshments, a beautiful venue but, most of all, stimulating company. Industry conversation caused a huge buzz and the event went on long into the night.

Golf Day

The fifth annual IMCA golf day took place on 27 May 2009 at Newmachar Golf Course in Aberdeen, UK. Some 70 players filled the course, with a shotgun start and 18-hole Stableford competition.

Martin McCaffrey of Helix Energy Solutions Group won the IMCA Quaich with 39 points, while the Poseidon Maritime Challenge Trophy for best team went to Proserv Offshore, with an aggregate 126 points. A particular highlight of the day was the competition's first 'hole in one', achieved by Kevin Black of Houlder Insurance Services on the ninth hole.

An array of individual, team, 'skins' and novelty prizes was shared among the competitors who reflected on this successful event and its regular good weather – another great day.

Midsummer Charity Ball

The 2009 IMCA midsummer charity ball took place on Friday 12 June at Banchory Lodge Hotel, beautifully located alongside the river Dee in Kincardineshire, UK. Around 200 guests attended the event, with a number of companies booking tables for the first time.

A reception in the lodge and grounds began the evening, before moving to a marquee on the lawn for an exquisite dinner. President Johan Rasmussen then gave a short address, including thanks to Knut Boe for his leadership and support during his term as President in 2007-8.

The evening featured a variety of entertainment, including the impressive steel band from Bankhead Academy, Stringfever – a male string quartet – the popular Simon Howie dance band and Turriff & District Pipe Band, who joined with Stringfever for a spectacular finale.

The event raised a tremendous £2,500 for the Apostleship of the Sea, which offers practical help to 'the people of the sea' in times of need.



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)

Get involved

In this edition of *Making Waves* you can find a variety of ways in which you can get the most from your IMCA membership. Here are a few pointers:

- ◆ Promote IMCA and its work with our new brochures see **page 3**

- ◆ Contribute to the enhanced annual ROV activity statistics exercise when the call for input is issued later this year see **page 14**

- ◆ Submit a presentation or discussion topic for the 2010 IMCA safety seminar in Singapore see **page 4**

- ◆ Join a workgroup to share your expertise and help develop IMCA guidance *Lifting* – see **page 12**
Digital video – see **page 13**
See the members-only website for more (click 'Take Part')
- ◆ Attend an event – see the *IMCA calendar* on **page 16**

IMCA membership passes the 600 mark

One year ago we announced that IMCA membership had reached 500. In just twelve months it has grown even further – by more than 20% – to stand at over 600 members active in more than 50 countries.

The continuing expansion is impressive enough in terms of numbers, but the true significance is that the association is continuing to gain wider recognition throughout the global industry, with key guidance used by contractors and clients world-wide, and speaking with a stronger voice on behalf of an enlarged membership on issues affecting the industry in markets around the world.

Growth is occurring in all regions, but the new Central & South America Section is a particular area of focus, with special reduced subscription arrangements for 2009 and 2010 in place.

For more details on promoting membership, see www.imca-int.com/join or contact Hugh.Williams@imca-int.com

Diving contractor membership

Information note IMCA D 10/09 has been issued to clarify aspects of IMCA diving contractor membership. A summary of the key points follows.

Auditing of new applicants – applicants for diving contractor membership of IMCA are required to demonstrate their capability of operating in accordance with the *IMCA international code of practice for offshore diving* (IMCA D 014). To ensure this, a desktop review of the applicant's procedures and other documentation is undertaken, followed by an on-site audit, with any issues identified addressed before the application is considered by the Overall Management Committee.

Where applicants are newly established (or new to offshore diving), they may be awarded a one-year temporary membership, during which time they are expected to gain operational experience, with a follow-up audit to confirm full membership towards the end of that period.

Ongoing responsibilities – auditing by IMCA only takes place at the application stage. There are no follow-up audits and IMCA cannot insist on nor enforce compliance with its guidance.

Instead, IMCA encourages members to comply with relevant guidance and to participate in the association's activities. Contracting parties are expected to agree appropriate terms between them, which will generally include compliance with relevant guidance, and to follow up on them through the contractor's internal assurance systems and by client audit.

Identifying diving contractor members – IMCA certificates identify members' categories and divisions, while the online membership directory (www.imca-int.com/members) can be filtered by category, division and region. If unsure, please check with the secretariat.

Please contact imca@imca-int.com for a copy of this full article

IMCA brochures updated

A new edition of the *IMCA in depth* brochure is now available. In sixteen full-colour illustrated pages the brochure provides a detailed overview of the association, its members, objectives and work programme.

In addition, a new leaflet – *IMCA in brief* – has been produced, setting out key facts about the association.

Please contact imca@imca-int.com to obtain copies



From the President

Johan Rasmussen, Acergy
IMCA President 2009



The economic downturn is affecting all of us in different ways, because some are more susceptible than others and each of us is in a different part of their company's and their sector's commercial cycle.

Through dialogue, including this column, IMCA aims to support a safe and efficient industry. This goal can only be achieved through a healthy contracting sector and healthy relationships between contractors and clients.

Some responses to the economic downturn could be counterproductive to a healthy industry – for example, eroding the well established industry contract indemnity regimes or reducing the protection provided by the client's insurance. In terms of project undertakings, contractors are not speculators and should not be asked to take unquantifiable risks.

IMCA's work to improve safety and operational efficiency has a direct effect on cost efficiency.

Therefore, we support efforts to respond to the downturn through each avenue of cost efficiency where there is still a lot to do, for example in standardisation across the industry world-wide and throughout the supply chain.

IMCA believes that pressure to reduce margins, cut corners, or the transfer of risk from oil companies to contractors is counterproductive and leads to loss of value. In order to ensure innovative developments and better assets, the contracting community needs to make profitable returns and cannot act as unpaid underwriters.

News from IMCA's core activities



2010 safety seminar

Safety is our common language is to be the theme of the 2010 IMCA safety seminar, which will take place on 24-25 February in Singapore.

A call for papers has been issued, with submissions during August 2009 requested. Topics will include a wide range of safety, health and environmental issues, including successful initiatives to improve company/industry performance, current issues and lessons learnt from incidents and near-misses.

As in previous years, the event will include presentations as above, small group discussion sessions which have previously led to a number of IMCA work items, and a safety share fair, where members will be able to display and discuss their successful safety promotion materials and initiatives.

Keep up with seminar news at www.imca-int.com/events



Getting the most out of toolbox talks

The 2009 IMCA safety seminar, held in February in Houston, USA, included a productive session on toolbox talks.

After an introductory presentation which posed a number of questions, delegates discussed these and other points around their tables, before reporting back to the full room.

The session's outcomes have been set out in information note IMCA SEL 17/09, which provides bullet points summarising the discussion in areas such as:

- ◆ When should toolbox talks take places?
- ◆ Who should lead them?
- ◆ Who should attend?
- ◆ What should be discussed?
- ◆ What are the required outcomes?
- ◆ How should toolbox talks be recorded or logged?

The SEL committee is now looking at the development of a DVD on toolbox talks with a script loosely based on the summary of these discussions.

Contact Nick.Hough@imca-int.com for details or to contribute

Avoiding HAVS

The seventeenth IMCA pocket card has been published, setting out how to avoid the risks of hand-arm vibration syndrome (HAVS) and the related carpal tunnel syndrome – both related to the use of hand-held powered work equipment – in a handy format for workers to read and keep offshore.

The card sets out particular types of equipment that can leave workers at risk and the steps they can take to avoid the risk of injury. These include using the appropriate tools for each job, being properly trained, checking that equipment is well maintained, such as that cutting tools remain sharp to stay efficient and are stored to avoid having cold handles which can exacerbate the problem.

The card also identifies some of the early warning signs and symptoms for individuals to look out for.

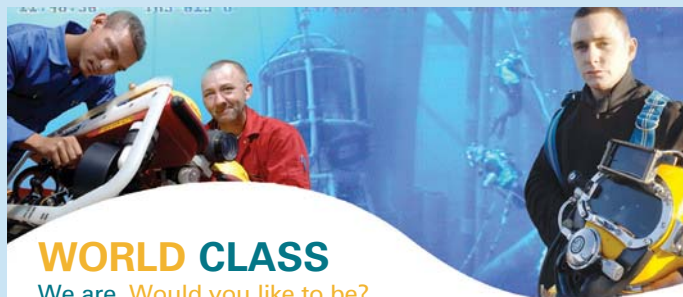
Printed sets of IMCA pocket cards are available for purchase, while the printing files allowing customisation can be downloaded by members.

For details on the full range of IMCA safety promotion materials, visit www.imca-int.com/documents

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Security in focus



IMCA has published a new poster (number 6 in the series) setting out important advice on *Personal security*, which sets out the key messages of IMCA's guidance document on the same subject with comical illustrations.

The posters are available in printed sets from the IMCA office, while members can also download the commercial print files which allow customisation in the space allowed with company names, logos and other references.

DVDs planned

Two of the member companies represented on the Security Task Force have jointly developed DVDs, based on IMCA's *Guidance on travel security* (IMCA SEL 014) but adapted to relate to their own specific company procedures. They have kindly agreed to provide much of this material for inclusion in a future IMCA DVD on the same subject.

A group within the task force considering gangway security issues has also identified how a graphic demonstration of

the essential elements of gangway security would be a useful addition to the range of IMCA security material. Such a DVD could be especially useful for the instruction of third party personnel and the use of imagery would help overcome potential language problems.

SSO logbook proposed

The task force is also to develop a logbook for ship security officers (SSOs). The intention would be to help SSOs demonstrate their experience in the role, in the same way that the recent *Crane operator's logbook* and others in the IMCA range have done.

Surveillance technology

The task force is also considering the advances made in surveillance camera technology and what real benefits this might bring, especially in relation to links with other anti-piracy systems and equipment.

For more details or to contribute to the Security Task Force's work, contact Philip.Wiggs@imca-int.com

Competence & Training update

The Competence & Training committee continues to be busy on a number of fronts:

- ◆ Revision of the competence assurance and assessment framework is advancing, with publication of guidance for the offshore survey and ROV sectors expected shortly. Updated and expanded marine and diving volumes will follow
- ◆ Competence guidance for offshore safety professionals is also being developed
- ◆ Recent briefing notes have addressed a number of topics, including the Minimum Industry Safety Training initiative in the North Sea, similar proposals on safety training requirements in Australia and the training and certification of those working with fluorinated gases in the UK
- ◆ Guidance on crew transfer is being drafted for committee review. Input from members is welcome.

Anyone wishing to assist with the development of these guidelines should contact Nick.Hough@imca-int.com

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Regional news

Central & S. America

As reported on page 1, the Central & South America Section has now been formed, with a successful briefing seminar held in Rio de Janeiro, Brazil on 1 July. Promoting membership to the many potential new companies in attendance and others is high on the section's agenda.

The IMCA annual seminar is to take place in the city on 4-5 November. With a full and interesting programme published, registration is now open.

North America

While the North America Section, which has taken over the Houston-based activities of the former Americas Deepwater Section, has not held a full meeting since the previous issue, it has been active on a number of fronts. A key piece of recent work has been responding to proposed changes to Jones Act rulings by US Customs.

The Competence & Training and Diving sub-groups have continued their regular meetings, with input made to other global committees via their regional representatives.

The next full section meeting is now being planned, to include such issues as the 'credit crunch', skills availability and impact of local legislative changes on the business environment.

Asia-Pacific

The latest meeting of the Asia-Pacific Section is taking place in Bangkok, Thailand, on 13 August, as we go to press. A full report will be included in the next issue.

Middle East & India

The IMCA Middle East & India Section has a new chairman, in the shape of Roy Donaldson of BUE Marine. He succeeds Steve MacMillan of J Ray McDermott, who stood down after seven years' dedicated service, as we reported in issue 51. Roy is COO of Topaz Marine, a group which includes members BUE Marine and NICO Middle East. With a seagoing career beginning in 1969, he has worked on a variety of vessel types, before moving to management in positions including MD of Seabulk Offshore (Nigeria) and General Manager of BUE in Azerbaijan on his way to his current role. Roy was previously the section's vice-chairman.



Kris Chambers of Global Industries has been elected as the new vice-chairman. Kris is the Regional Diving Manager – Middle East for Global Industries and is also the section's representative on the Diving Division Management Committee.



The well attended 18 May meeting included a general update on IMCA's technical activities world-wide and a well-received presentation on client-contractor relations which had first been given at the IMCA safety seminar in Houston, USA, in February. The next meeting is to take place on 6 October alongside the Middle East Workboats exhibition and conference in Abu Dhabi, UAE.

Keep up to date on the latest regional developments, forthcoming meetings and third party events at www.imca-int.com/regions

Europe & Africa

The next Europe & Africa Section meeting is to take place on 10 September, alongside the *Offshore Europe* (OE) event at the AECC in Aberdeen, UK.

The meeting will include the usual updates on current IMCA activities, before moving on to a presentation by Robin Davies, VP Business Improvement with Subsea 7 and a Director of trade body Oil & Gas UK, on the role of a trade association in challenging times. A panel discussion will follow, before a lunch and drinks reception to close the event. Members and guests from around the world visiting OE are invited.

Offshore Europe is a biennial oil and gas conference and exhibition, organised by the Society for Petroleum Engineers (SPE), and is one of the largest upstream events in the world. With its technical programme alongside, OE provides an opportunity to learn, debate and network, attracting a large number of IMCA member participants.

Visit the IMCA team on stand 851



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Chief Executive



Jane Bugler
Technical Director



Philip Wiggs
Technical Adviser



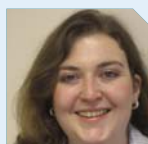
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Ian Giddings
Technical Adviser



Paul Evans
Technical Adviser



Emily Comyn
Technical Adviser

Genine da Cruz Harvey
Certification Schemes Administrator
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Parul Patel, Administrator
- seminars and committee meetings

Claudine Bleza, Administrator
- social events and exhibitions

Ann Barnett, Administrator
- document production and member records

Andy Butler, Administrator
- document production and certification support

Chi Edwards, Administrator
- document production and member records

Jean Carmichael, Bookkeeper

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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

Hugh Williams, Chief Executive

Jane Bugler, Technical Director

Committee Chairmen and Vice-Chairmen

CT: Steve Sheppard, Helix ESG
Mark Elder, Subsea 7

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

Diving: Alan Forsyth, Subsea 7
Paul Blewett, Technip

Marine: Pete Somner, Technip
Pete Fougere, Transocean

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

ROV: Neil Milne, Subsea 7
Espen Ingebretsen, Oceaneering

Regional Section Chairmen and Vice-Chairmen

Asia-Pacific

Andy Bolton, Technip Subsea 7 Asia Pacific
Mark Shepherd, Mermaid Offshore Services

Central & South America

Vacant (new positions)

Europe & Africa

Wim de Boer, Heerema Marine Contractors
Jim Sommerville, Fugro-Rovtech

Middle East & India

Roy Donaldson, BUE Marine
Kris Chambers, Global Industries

North America

Alan Allred, Aker Marine Contractors
Bruce Gresham, Heerema Marine Contractors

Competence & Training Committee

Chairman: Steve Sheppard, Helix ESG

Vice-Chairman: Mark Elder, Subsea 7

Craig Darroch, Acergy

Pauline Irwin, DOF

George Robertson, Fugro-Rovtech

David Moxey, Northern Marine Management

Paul Gleisner, Schilling Robotics

Gavin Smith, Subsea 7

Roy Hay, Technip

Asia-Pacific: Vacancy

Middle East & India: Mohamed Omar, INW

North America: Tony Greenwood, Cal Dive International

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 Helgøy, Teekay

Asia-Pacific: Mike Meade, M3 Marine

Middle East & India: Ron Clark, NICO Middle East

North America: Mike Lawson, Transocean

SEL Committee

Chairman: Wallace Robertson, Helix ESG

Vice-Chairman: Dave Forsyth, Bibby Offshore

Andrew Culwell, Acergy

Bart Westerhout, Allseas

Keith Mobbs, DeepOcean

Jos van der Horst, Heerema Marine Contractors

Jim Knight, Heerema Marine Contractors

Sal Ruffino, Saipem

Alan Forsyth, Subsea 7

Allan Hannah, Technip

Henk Swennen, Van Oord Offshore

Asia-Pacific: Des Power, Subsea 7 Asia Pacific

Middle East & India: Mohamed Osman, Maridive

North America: Greg Payne, Heerema Marine Contractors

Offshore Survey Division MC

Chairman: Will Primavesi, Oceanteam Subsea Services

Vice-Chairman: Walter Steedman, Veripos

Ray Morgan, Acergy

Michiel van de Munt, Allseas

Stuart Reid, Andrews Survey

Ed Danson, C&C Technologies

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

Asia-Pacific: Dave Scott, Fugro Survey Pte Ltd

Middle East & India: Mark Beloeil-Smith, GEMS International

North America: David Fitzpatrick, Subsea 7

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

Hans Berkhof, Noordhoek Offshore

Calum Buchanan, RBG

Maurizio Chines, Saipem

Asia-Pacific: Glyn Jones, Hallin Marine

Middle East & India: Kris Chambers, Global Industries

North America: Allan Palmer, Cal Dive International

Remote Systems & ROV Division MC

Chairman: Neil Milne, Subsea 7

Vice-Chairman: Espen Ingebretsen, Oceaneering International

Colin Mackay, Acergy

Piet Sluijter, Allseas

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.

John Pirie, Technip

Grant Cowie, TS Marine

Asia-Pacific: Ian Huggins, Hallin Marine

Middle East & India: Doug Graham, Fugro Survey ME

North America: Ian Edmonstone, Helix ESG

International Contractors

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

Contractors

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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
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Atlantic Towing Ltd
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BEKK Solutions Ltd
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Bluewater Offshore Construction
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CCC (Underwater Engineering) SAL
CDMS Ltd
CDS Subsea Pte Ltd
CH Offshore Ltd
Clough Oil & Gas
CNS International srl
Coral Alliance Sdn Bhd
CUEL Ltd
Dalgidi 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 Brasil Servicos Ltda
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 Subsea Services Pte Ltd
Fugro Survey (India) Pvt Ltd
Fugro Survey (Middle East) Ltd
Fugro Survey (Singapore) Pte. Ltd
Fugro Survey Ltd
Galliano Marine Service LLC
GAS Geological Assistance & Services srl
GEMS International NV - Abu Dhabi
GeoLab Ltd - Abu Dhabi
GeoLab srl
GEOTeam 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
HAL Offshore Ltd
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
Inspecta International Co. LLC
Inspectahire Instrument Co. Ltd
Integrated Subsea Services Ltd
Integrated Subsea Services AP Pte Ltd
Intl Marine Works - Alexandria
Intl Naval Works - Abu Dhabi
IOTA-Survey
IRSHAD
Island Offshore Management AS
Jack-Up Barge BV
Jifmar Offshore Services
Jumbo Offshore VoF
Knutsen OAS Shipping AS
Kreuz Offshore Marine Pte Ltd
Kreuz Subsea Pte Ltd
Lamnalco Group
PT Lancar Rejeki Berkas Jaya
LD Travocean
Louisiana Overseas Inc.
Maersk Drilling
Maersk Supply Service
Maridive & Oil Services
Maridive & Oil Services (SAE)
Maridive Offshore Projects
Marine Consulting srl
Marine Subsea AS
Master Tech Diving Services
MENAS
Mermaid Marine Australia Ltd
Mermaid Offshore Services Ltd
Miclyn Express Offshore Pte Ltd
Mohn Drilling AS
Mutawa Marine Works Est
NDE - Nordisk Dyk Entreprenad AB
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.
Oceanengineering International (UK)
Oceanengineering International Asia Pacific
Oceanengineering International Inc.
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 Services
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 spa
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
Sarku Engineering Services Sdn Bhd
SAROST SA
SBM Offshore NV
Sea Trucks Group FZE (ME & India)
Sea Trucks Group FZE (Asia-Pacific)
Sea Trucks Group FZE (Eur & Africa)
Seabed AS
Seacor Marine (International) Ltd
Seadrill Americas Inc.
Seadrill Management AS
Seahorse Services Co. Ltd

Sealion Shipping Ltd
SEAMEC
Searov Offshore
Seascope Surveys Pte Ltd
Seatrans AS
Seatrax Singapore Pte Ltd
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 Offshore Ltd
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
URS nv
UTEC Survey, Inc.
UTEC Survey Asia Pte Ltd
Van Oord Offshore BV
Varun Shipping Co. Ltd
Vastalux Sdn Bhd
Vector Offshore Ltd
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
AC Plus Marine, Inc.
Advanced Marine Pte Ltd
PT Advanced Oil & Gas Consulting
Air Products plc
Air Products Middle East FZE
Air Products Singapore Pte Ltd
Analox Sensor Technology Ltd
Arab Tanker Services
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
Convertene Ltd
CUEL Ltd
Deep Down, Inc.
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
Foundation Associate Engineering Pte Ltd
General Robotics Ltd
Global Marine Systems 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 Automotive
Kenx Figuee 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
Pacific Crest Pte Ltd
Palumarus srl
Perry Slingsby Systems, Inc.
Perry Slingsby Systems Ltd
Pommec TDE bv
Proserv Offshore
Redaeli Tecna spa
Rolls-Royce Marine AS
Rolls-Royce Oy Ab
Rolv Berg Drive AS
Rovsco Asia Pte Ltd
Saab Seaeey Ltd
SBM Offshore NV
Schilling Robotics, Inc.
Schilling Robotics Ltd
Sea and Land Technologies Pte Ltd
Seaflex Ltd
Sealion Shipping Ltd
Seatools BV
Seaswift Subsea Engineering LLC
Serimax Ltd
Siem Offshore AS
Skan-EI AS
Soil Machine Dynamics Ltd
Solstad Offshore Ltd
Solstad Shipping AS
Sonardyne Asia Pte Ltd
Sonardyne International Ltd
Submarine Manufacturing & Products Ltd
Subsea Vision Ltd
Sundan Offshore Pvt Ltd
TGH AP Pte Ltd
Trelleborg Protective Products AB
Trim Systems Pte Ltd
The Tritanium Company
TS Marine Pty Ltd
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
Alliance Marine Services
Anglo-Eastern Group
Anglo-Eastern Group (Asia-Pacific)
ARV Offshore Co. Ltd
ASP Rope Access
Auto Dynamic Positioning Services
Bahrain Ship Repairing & Engineering Co.
Blade Offshore Services Ltd
Blue Water Engineering (M) Sdn Bhd
Braemar Falconer
CAPE Group Pte Ltd
C-MAR Group
Construction Specialists Ltd (CSL)
Cosalt
Deep Down, Inc.
DMC Offshore
DOWC
Drexel Oilfield Equipment
El-Automation AS
ESS Support Services Worldwide
ETPM Ltd
Exmed UK Ltd
Fender & Spill Response Services
Flinders Practice Hyperbaric & Occ Med
Franklin Offshore International Pte Ltd
Global Maritime
GW & Associates Ltd
Houlder Insurance Services Ltd
Imes Ltd
Inchcape Shipping Services
Inchcape Shipping Services - North America
Inchcape Shipping Services (S) Pty Ltd
Independent Risk Solutions BV
Inter Mar Technology Ltd
InterMoor Marine Services Ltd
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
Maritime Management Services, Inc.
MatthewsDaniel
MJR Controls Ltd

Modern Computing Services (MCS)
 Modular Underwater Systems Ltd
 MOS Marine Offshore Service Pte Ltd
 National Hyperbaric Centre 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
 Offshore Technical Management Solutions Intl
 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
 QinetiQ Ltd
 Reel Group Ltd
 Rolls-Royce Power Engineering plc
 Schilling Robotics, Inc.
 Sebastian AS
 Sigma Offshore Ltd
 PT Sirius Maritimindo Services
 Skan-El AS
 Skuld AS
 Sparrows Offshore Services Ltd
 Subsea Vision Ltd
 Thome Offshore Management Pte Ltd
 The Tritanium Company
 Underwater Technology Services Pte Ltd
 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
 Amberjack Oil & Gas Recruitment Svcs
 Aqua Omega Services Pvt Ltd
 Atlanta Ltd Maritime Agency
 Atlantic Resourcing Ltd
 Atlas Seistech
 Atlas Services Group Australia Pty Ltd
 PT Bahana Galang Jaya
 Bibby Ship Management Group - E&A
 Bibby Ship Management Group - ME&I
 Dave Oliver Hydrographics Services
 De Moura Shipping Ltda
 Drexel Oilfield Equipment
 Flare Project Services LLC
 Hydrosud Ltd
 Lerus Ltd
 Maritech Group
 MJD (North East) Ltd
 Naurex Resources
 Oceanscan Ltd
 Offshore Marine Services UK Ltd
 Oilfield Medics UK Ltd
 PT Pakar Sinar Jaya
 Petrolis SA
 PR Offshore Services Ltd
 ROVin Marine Ltd
 Seatek India
 Sheffield Offshore Services Pte Ltd
 SubNet Services Ltd
 SubNet Services Ltd - Asia-Pacific
 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 Center
 Ålesund University College
 AMC Search Ltd
 ANFE (Associazione Nazionale Famiglie Emigrati)
 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
 Bonifacio srl
 Centre for Marine Simulation
 CFO - Centro Formazione Offshore
 Commercial Diving Academy
 Daniels Maritime Group
 De Moura Shipping Ltda
 Delphinus Services - ROV Training
 Divers Academy International
 Divers Institute of Technology
 Divers University Esporte Aquático Ltda
 DiveSafe International
 Diving Diseases Research Centre
 The Dynamic Positioning Centre Ltd
 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
 PT ISBI
 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
 Netherlands Diving Centre
 Noble Denton Consultants Ltd
 North Sea Lifting Ltd
 The Ocean Corporation
 Offshore Skills Training Centre (OSTRAC)
 Petrofac Training, Inc.
 PetroVietnam Manpower Training College
 PNI Training Centre AS
 Power & Generation Services
 Professional Diving Academy
 Professional Diving Centre
 PVD Technical Training & Certification JSC
 Satakunta University of Applied Sciences
 PT SBS Indonesia
 Seahorse Services Co. Ltd - Training
 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
 SubNet Services Ltd - Asia-Pacific
 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

Royal Saudi Navy Forces
 Salvage & Marine Operations IPT

Corresponding Members

Abu Dhabi Marine Operating Company
 Agip Kazakhstan North Caspian Op. Co.
 AISI
 Aker Exploration AS
 Azerbaijan International Operating Co.
 Bapco - The Bahrain Petroleum Co.
 BG Group
 BG Americas and Global LNG - C&S America
 BG Americas and Global LNG - N America
 BP Berau
 BHP Billiton
 BP America Production Company
 BP Exploration Operating Company Ltd
 Brunei Shell Petroleum Company
 Cairn Energy India Pty Ltd
 Chevron Brasil Petroleo Ltda
 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
 Department of Labour (South Africa)
 Det Norske Veritas
 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
 NOPSA
 Nederlandse Aardolie Maatschappij BV
 Nexen Petroleum UK Ltd
 Oil & Natural Gas Corporation Ltd
 Petro Canada - Terra Nova Project
 Petro Canada Netherlands BV
 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

IMCA welcomes the following new members:

◆ AC Plus Marine Inc.

◆ Ageotec srl

An Italian manufacturer of ROVs and other advanced technologies, such as environmental control instruments, multi-parametric probes, monitoring systems and oceanographic tools.
 Web: www.ageotec.com Tel: +39 051 613 3382

◆ Aker Exploration AS

◆ Alliance Marine Services

◆ ANFE (Associazione Nazionale Famiglie Emigrati)

◆ Atlas Services Group Australia Pty Ltd

◆ Bahrain Ship Repairing and Engineering Company

◆ BG Americas and Global LNG - Central & South America

◆ BG Americas and Global LNG - North America

◆ Blue Water Engineering (M) Sdn Bhd

◆ Bluestream Offshore BV

◆ Chem-Gas Pte Ltd

◆ Chevron Brasil Petroleo Ltda

◆ Daniels Maritime Group

◆ Deep Down, Inc.

◆ DiveSafe International

◆ DOF Subsea Brasil Serviços Ltda

Initially providing deep water intervention support to clients including Petrobras and Chevron, utilising the DOF Subsea fleet and expertise plus a new purpose-built Brazilian support vessel.
 Web: www.dofsubsea.com Tel: +55 22 2105 3700

◆ ESS Support Services Worldwide

◆ Foundation Associates Engineering Pte Ltd

◆ Fugro Subsea Services Pte Ltd

◆ GAS Geological Assistance & Services srl

◆ GEOTeam srl

◆ HAL Offshore Ltd

◆ Integrated Subsea Services Asia Pacific Pte Ltd

◆ Inter Mar Technology Ltd

A Trinidad-based provider of diving-related services including project planning, management, on-site representation, company authorised representatives and diving contractor audits.
 Tel: +868 221 0010

◆ Kreuz Offshore Marine Pte Ltd

◆ Maritime Management Services Inc

◆ MatthewsDaniel

◆ MJD (North East) Ltd

◆ National Offshore Petroleum Safety Authority (NOPSA)

The occupational health and safety regulator for the Australian offshore petroleum industry. Functions include promotion, enforcement, investigation and advice on health and safety issues.
 Web: www.nopsa.gov.au Tel: +61 8 6461 7000

◆ NDE - Nordisk Dyk Entreprenad AB

◆ Offshore Subsea Services

A provider of subsea services throughout SE Asia, including subsea intervention, full in-house engineering, survey, data and inspection, marine, shipping and FPSO services.
 Web: www.offshore-subsea.com Tel: +65 9831 5866

◆ Orwell Offshore Ltd

◆ Palumbarus srl

◆ PEM Offshore Ltd

◆ PVD Technical Training and Certification Joint Stock Company

◆ Rolls-Royce Marine AS

A world leader in marine solutions, providing products, service and expertise to more than 30,000 commercial and naval vessels in the offshore, merchant, naval and submarine markets.
 Web: www.rolls-royce.com/marine Tel: +47 8150 2070

◆ Seaswift Subsea Engineering LLC

◆ Seatrans AS

A fully integrated ship owning company with in-house chartering and operation, ship management and crewing, operating a fleet of 30 vessels.
 Web: www.seatrans.no Tel: +47 55 92 32 00

◆ Seatrax Singapore Pte Ltd

◆ Solstad Offshore Ltda

◆ SubNet Services Ltd - Asia-Pacific

Recent name changes

- ◆ BP West Java is now BP Berau
- ◆ Exmed Stirling Ltd's membership has now transferred to Exmed UK Ltd
- ◆ Trident Offshore Ltd is now InterMoor Marine Services Ltd

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:

- ◆ **Guidance on non-destructive examination (NDE) by means of magnetic rope testing** (IMCA SEL 023/M 197)
- ◆ **DP station-keeping incidents reported for 2007** (IMCA M 198)
- ◆ **Digital video offshore: A review of current and future technologies** (IMCA R 012/S 008 Rev. 1)
- ◆ **Entry level requirements and basic introductory course outline for new remotely operated vehicle personnel** (IMCA R 002 R2)
- ◆ **Code of practice for the safe and efficient operation of remotely operated vehicles** (IMCA R 004 Rev. 3)
- ◆ **Personal security poster** (no. 6)
- ◆ **Hand-arm vibration: Control the risks** pocket card (no. 17)

Safety flashes:

- ◆ **Safety flash 06/09** – covering three incidents: Super Puma helicopter accident – initial report; Fatality during lifting operations; Failed nipple on bolt tensioning jack
- ◆ **Safety flash 07/09** – covering four incidents: Fatal electrocution; Electric shock near-miss; Lifeboat D-ring failure; Worker fatally injured during pipelay operations
- ◆ **Safety flash 08/09** – covering four incidents: Near miss – dropped clump weight; Reintroduction of personal locator beacons on helicopter flights; Fall from height; Sodasorb burn injury
- ◆ **Safety flash 09/09** – covering one incident: Poor maintenance and subsequent failure of welding equipment
- ◆ **Safety flash 10/09** – covering four incidents: Compact fluorescent lights interfering with communications equipment; High potential near-miss during back loading; Lifeboat davit failure; Uncontrolled movement of A-frame

Information notes:

Competence & Training

- IMCA C 03/09 – Diving supervisor certification – mutual recognition agreements
- 04/09 International Maritime Organization Report of Maritime Safety Committee – 86th Session
- 05/09 IMO update: Marine Environment Protection Committee: 59th session – July 2009
- 06/09 IMO STCW Review Summary – Feedback Invited

Safety, Environment & Legislation

- IMCA SEL 10/09 – Safety statistics for IMCA members: Report for 2008
- 11/09 Client/contractor relationship – working together for safety
- 12/09 Proposed guidance on risk assessment of software and programmable logic controller (PLC) systems
- 13/09 IMO update: Maritime Safety Committee – 86th session
- 14/09 IMO update: Marine Environment Protection Committee: 59th session
- 15/09 Aviation safety – emergency response: Update on UK task group
- 16/09 Proposed IMCA Submission to IMO Regarding the SPS Code
- 17/09 Toolbox Talks – Summary of table-based discussions at the IMCA safety seminar, 11 March 2009, Houston, USA
- 18/09 IMO STCW review summary: Feedback invited

Diving Division

- IMCA D 08/09 – Diving supervisor certification – mutual recognition agreements
- 09/09 Diver and diving supervisor certification
- 10/09 Diving contractor membership – Auditing, responsibilities and member directory listing

Marine Division

- IMCA M 13/09 – The Nautical Institute DP operator's certificate
- 14/09 DP Training Executive Group
- 15/09 Proposed guidance on risk assessment of software and programmable logic controller (PLC) systems
- 16/09 IMO update: Maritime Safety Committee – 86th session
- 17/09 IMO update: Marine Environment Protection Committee: 59th session
- 18/09 Proposed IMCA submission to IMO regarding the SPS Code
- 19/09 IMO STCW Review summary: Feedback invited

If you're not 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:

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For enquiries please contact: training@hydratight.com

Diving Division

Noise exposure

On 21 July the UK Health & Safety Executive held a workshop, facilitated by IMCA, on noise exposure of commercial divers, providing an opportunity for delegates to learn about HSE research undertaken by QinetiQ.

Gavin Anthony explained that QinetiQ's work included identifying underwater hearing for both dry ear and wet ear and he proposed an underwater dB (uw) concept for the wet ear.

He described audiometry studies that had been undertaken and their results. He also identified the main sources of noise to which divers could be exposed.

Mike Ward of Dive Lab gave a short presentation on work being undertaken to establish and reduce diver helmet noise.

Finally, John Ross of Aberdeen University gave a presentation on work he had undertaken on hearing impairment in both professional divers and non-diving offshore workers. He concluded that, in his view, reduction in noise exposure would be a more effective strategy than screening in conserving hearing.

The event concluded with an active panel discussion involving all presenters.



DNV and IMCA address oxygen cleaning

Issues arising from classification society requirements on oxygen cleaning have been raised at the Diving Division Safety, Medical, Technical & Training (SMTT) Committee and other recent IMCA meetings.

With this in mind, IMCA has been liaising with DNV to identify specific issues and areas where the society's requirements differ from those set out in guidance document IMCA D 031 – *Cleaning for oxygen service: Setting up facilities and procedures*.

DNV offered to give a presentation and take part in a discussion on the subject, which led to the organisation of a workshop in Aberdeen, UK, on 9 July 2009.

Around 40 participants gathered for the event, where DNV's Martin Fowle gave a very helpful presentation, setting out DNV's requirements for system cleanliness and its proposed validation methodology. A productive question-and-answer session followed, where members raised various issues and were provided with useful guidance in response.

With DNV specifically seeking feedback on its proposed rule change and methodology, a note of the meeting, including the full presentation by Martin Fowle, was circulated so that all Diving Division members could review and comment on the proposals and a combined IMCA response submitted.

Please contact Jane.Bugler@imca-int.com for more information.

DCI survey results

IMCA's diving contractor members were recently asked to provide data on the incidence of decompression illness (DCI), such as the numbers of events in air and saturation diving as well as their frequency, and to provide feedback on whether they felt this was a significant issue.

In general the responses showed that DCI is not considered an issue within the industry today.

17 responses were received, identifying two possible DCIs. One seemingly typical response stated "we have not had a DCI for the past 12 years".

The survey indicates that the oil and gas offshore diving industry has, over the years and through the structured and widely implemented approach of a self-regulating industry, achieved a significant reduction in such critical events.

It is possible, however, that DCI remains an issue in unregulated areas or in other areas of commercial diving. This leaves an opportunity for clients, governments and contractors to help continue the spread and implementation of this structured approach and thereby to further reduce these occurrences if they do indeed exist elsewhere.

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Marine Division

Raising awareness on lifting issues

Crane & Winch Operations Workgroup continuing to enhance the suite of IMCA guidance on offshore lifting and to address new issues identified by members

The IMCA Crane & Winch Operations Workgroup, established in 2005, has published a number of important guidance documents, building on the *Guidelines for lifting operations* (IMCA SEL 019). A new overview of the suite is under development, which will be made available via the website at www.imca-int.com/lifting

The extent of the workgroup's programme has led to the formation of a number of task-specific groups which are making excellent progress on a number of related fronts.

New guidelines on NDE

Non-destructive examination (NDE) by means of magnetic rope testing is the subject of a new guidance document (IMCA SEL 023/197), developed in the absence of other guidance on the topic for the marine industry.

NDE is one of the five tasks within a wire rope integrity management system, as set out in IMCA SEL 022/194.



Winch drum issues

Issues associated with winch drums used for operations in deep water were highlighted in an incident reported via IMCA safety flash 02/09, which involved the failure of the structure of a winch drum in a new lifting system with a load suspended at over 2,000 metres water depth when retrieving the load.

An IMCA workgroup has been reviewing the subject and held a workshop on 6 July in the Netherlands to highlight issues arising from the use of multi-layer winch drums when retrieving subsea loads which attracted over 60 participants.

Jack Simpson of Technip gave a presentation on the issues faced by contractors. Professor Peter Dietz of Clausthal University, a recognised expert on winch drum design, and Roland Verreet, equally well known for his expertise in wire rope technology, gave extremely interesting lectures that underlined the difficulties faced by the industry.

With attendees including representatives of contractors, crane and wire rope manufacturers, classification societies and regulators, the subsequent workshop exchanges were both interesting and useful.

The workgroup will now take forward liaison with manufacturers and users regarding the potential problems and seek to identify solutions that can be included in future industry guidance.

For details or to get involved, e-mail Philip.Wiggs@imca-int.com

Offshore supply vessel DP guidelines

A cross-industry workgroup has updated its *Guidelines for the safe operation of dynamically positioned offshore supply vessels*.

Over 70 organisations, including IMCA members, other supply vessel operators, ship owners' associations and others collaborated on their initial development in 2005-6 and have contributed to this 2009 revision.

The guidelines aim to make risk management tools available to vessel owners, vessel operators, charterers, masters and officers that will provide for the safe operation of DP OSVs in automatic DP mode.

The guidelines take account of international and national regulations and guidance and provide a consistent set of guidelines for global application.

IMCA is pleased to act as co-ordinator of this group and publisher of the guidelines, which are available for downloading free of charge via www.imca-int.com/marine or in printed form from the IMCA offices. Please quote reference IMCA M 182 when ordering.

For more details, contact Ian.Giddings@imca-int.com

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Offshore Survey and ROV

New guidance for DGNSS users

The Marine and Offshore Survey Divisions have published new *Guidelines on installation and maintenance of DGNSS-based positioning systems* (IMCA M 199/S 012).

The guidelines cover installation of global navigation satellite systems, such as GPS and GLONASS, highlighting the technical, procedural and contractual issues that users of such equipment should be aware of before, during and after installation.

They cover the basic system components and highlight some of the consequences of poor installation, before going into detail on the various installation phases. Generic checklists are provided for various aspects, such as antenna location and cable routing.

The guidelines have been circulated to all Marine and Offshore Survey Division members and are available for downloading via the members-only website, with additional printed copies available. See www.imca-int.com/publications for more details.

OGP and IMCA updating industry DGPS guide

In 1994, guidelines on the use of DGPS (Differential Global Positioning System) were published by UKOOA (an industry body since refocused and renamed to become Oil & Gas UK) which were subsequently adopted widely across the global industry.

In light of the significant technological developments which have taken place in the 15 years since the guidelines were issued, it was agreed that an update would be beneficial for the industry.

A workgroup has been assembled under the joint direction of OGP –

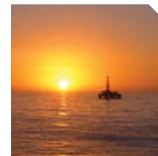
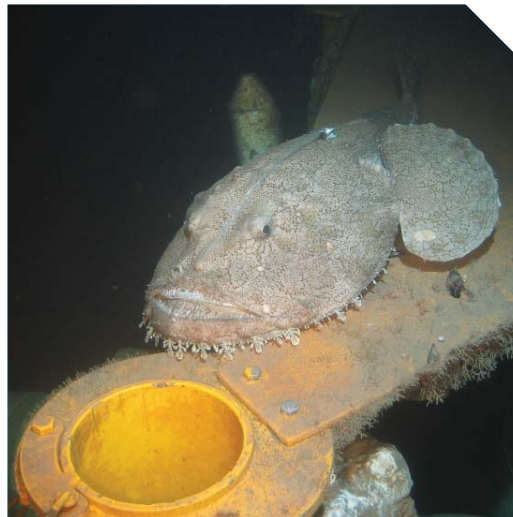
the International Association of Oil & Gas Producers – and IMCA to undertake a thorough review and produce an updated, internationally focused guidance document.

A scope of work has been prepared, identifying specific areas in need of revision and the proposed methodology, which has been approved by the relevant OGP and IMCA committees. The workgroup is now proceeding with updating the document.

For more details on this work, please contact Nick.Hough@imca-int.com

New IMCA digital video publications

IMCA updates its review of current and future technologies and embarks on development of case studies



IMCA has published an updated edition of *Digital video offshore: A review of current and future technologies* (IMCA R 012/S 008).

The guide was developed by a group involving members and other experts to provide offshore contractors and their clients, with an understanding of the technology and methods associated with the acquisition and application of digital video data for underwater inspection tasks. It includes an overview of these tasks, equipment, data storage, integration with other systems and final delivery.

The new edition updates that published in September 2005 to reflect the many developments which have taken place during that period.

Digital video case studies

The workgroup is now starting to develop a second document, which will set out a collection of case studies on the use of digital video technology within the offshore industry.

For more details or to get involved in the workgroup, please contact Nick.Hough@imca-int.com

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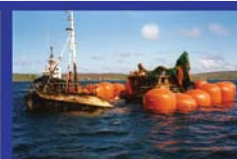
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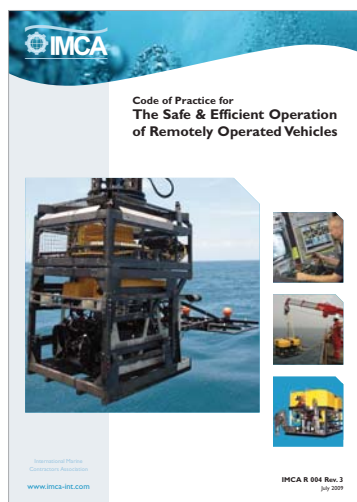
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Remote Systems & ROV Division

IMCA updates ROV code of practice

The ROV industry is one of the most dynamic in the world. New equipment is constantly entering the market as ROVs continue to find new applications and to be employed in deeper waters and harsh environments.

As the offshore industry moves towards more diverless intervention, their role in construction and maintenance is increasing, while their more traditional use for underwater inspection and observation also continues.



The IMCA Code of practice for the safe and efficient operation of remotely operated vehicles (IMCA R 004) is one of the association's key publications, aimed at providing members with a common set of recommendations that provide a high level of safety and efficiency.

The code is reviewed regularly to keep up to date with technological and operational developments in this fast-changing sector.

The latest edition (Rev. 3) is now available and includes additional guidance on safe crewing levels for working with the increasingly complex tools packages now in use.

The code is available for downloading free from the IMCA websites (see www.imca-int.com/rov) and for purchase in its glossy new printed format.

As with all IMCA publications, feedback is welcome, for consideration during the next scheduled review and update.

Updated ROV guidance collection now available

Following the publication of the updated ROV code of practice (see left) and other key documents, a new edition of the IMCA Guidance on ROV operations CD has also been published, providing an updated offline reference to complement the members-only website for situations where internet connectivity cannot be ensured.



The CD, available to members only, brings together the full collection of guidance produced by the Remote Systems & ROV Division (and previously AODC), as well as information notes, safety flashes and material produced by the core activities – Competence & Training and Safety, Environment & Legislation.

The new CD has been circulated to Remote Systems & ROV Division members, with additional copies available for purchase.

Visit www.imca-int.com/rov/publications for more details

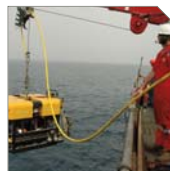


ROV personnel statistics sought

Each year, IMCA collects statistical information on the number of personnel working with ROVs within member companies world-wide. A snapshot of activity on specific dates is obtained which helps inform other work and lobbying on behalf of members.



This year, additional information will be sought on the types of ROV in use, based on the classifications in the ROV code of practice, to further enhance the usefulness of the published information.



The call for members' statistics for 2009 will be issued shortly – all ROV contractors are asked to contribute, in order to help make this the most comprehensive analysis yet.

For more details, contact Nick.Hough@imca-int.com

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Spotlight on Paul Blewett

Paul Blewett is Director of Business Services & Quality with Technip and serves as Vice-Chairman of the Diving Division Management Committee and a member of the Overall Management Committee. In this article, he discusses his 'day job' and provides a personal insight into the work his committee is undertaking on behalf of members.

Please tell us about your company

Technip is an engineering, technology and project management company for the oil and gas industry. We execute global engineering and construction projects in three segments of the oil and gas market: subsea, offshore and onshore.

What is your current job?

I am the Director of Business Services & Quality in a division of Technip known as Offshore Operation Services within the Subsea segment. This division has global responsibility for the operation and management of ROVs, the fleet of diving, construction and pipelay vessels, the associated equipment and the offshore project and marine crews.

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

I left university in 1976 with a BSc in Life Sciences and an MSc in Underwater Science and Technology, having spent six months with the Admiralty Experimental Diving Unit. I contacted all the diving companies I could find and after a few weeks I joined Strongwork Diving, as a trainee life support technician with a view to becoming the company physiologist.

After a short time with Strongwork and Subsea Offshore I joined Wharton Williams (2W) as a life support supervisor. During my time I was given the opportunity to work on a number of operational topics and increasingly on diving safety issues, such as developing diving operations manuals. At that time there was an industry shortage of life support personnel, so we introduced LST and diving supervisor logbooks, set up the first 2W LST and then diving supervisor courses, which were to become the precursors to the AODC (and then IMCA) schemes.

Corporate Safety & Quality Manager. These were turbulent times and after an abortive merger with Comex, 2W formed a joint venture with Smit Offshore Contractors to become Rockwater.

Looking for a change of direction in 1992, and after gaining an MBA, I transferred to operations as offshore development manager to manage and develop Rockwater's offshore workforce. However, shortly after, I was invited to join Brown & Root as the Regional Head of HSE for Europe & Africa.

In 1996, when Halliburton took operational control of Brown & Root, I became the Halliburton environmental manager for the Eastern Hemisphere for a couple of years before moving to Lagos, Nigeria in a general management role as the country shared services manager for Nigeria and later the other West African countries. I must say that my family and I really enjoyed our time in Lagos, although the work was particularly difficult at times! In 2000 we returned to Aberdeen and I became UK shared services manager.

Following a reorganisation, I became involved in the development of UK strategy until 2002 when I set up on my own, working independently for the likes of Subsea 7 and others until I was invited to Stolt (later Acergy) as VP of HSE and Security.

In 2007 I joined Technip's Offshore Operation Services division in my present role.

What are the key areas affecting the industry at the moment?

Right now it is the economic environment and the inevitable squeeze on offshore contractors to reduce costs without compromising safety and efficiency whilst maintaining an appropriate level of profitability commensurate with the business risk.

The second is the availability and competency of people throughout the supply chain and the need to ensure that we have the appropriate number of personnel with the appropriate level of skills. With a number of new vessels coming into the market with innovative systems, there are challenges in ensuring new competencies and maximising operability and efficiency.

How can they be addressed?

Far be it from me to advise our commercial leaders, but as far as the first issue is concerned it is to stand firm and ride out the storm. Recession seems to be the opportunity to re-evaluate company effectiveness and to prune some of the dead wood, but so often these cuts go too deep and the industry gets caught out when the upswing comes. We did this in 1998/1999 and companies were not able to respond effectively, as so many had left the industry and failed to return. This is an opportunity to position ourselves for greater effectiveness and profitability by improving our internal systems and operational effectiveness.

Issues of competency and the introduction of new recruits have been on the agenda for some time, ever since the first generation of North Sea saturation divers hit the age of 40 back in the late 1980s and we still do not seem to be able to move it forward effectively. This is often driven by availability of bed space offshore, the incentives for the existing workforce to mentor and encourage new recruits ('what's in it for me?'), the perceived risk of allowing trainees to undertake work and for the industry to set up meaningful training or apprenticeship schemes.

You work for a large company – can IMCA still make more of a difference than members alone?

Absolutely. This is an industry that is reaching maturity, but it still requires the strength of purpose, leadership and catalyst for change that can only come from the unified front of an effective trade association. Without that, our

respective company views become diluted, we lose impact and our credibility as an industry, together with a perceived loss of direction.

Whether large or small there is strength in numbers and IMCA provides the critical mass required for change. No company, irrespective of size, could have established and implemented standards such as the DESIGN suite, the Diving Supervisor & LST schemes, and the CMID. Contracting companies, regardless of size, rarely have the strength or motivation to drive such standards on their behalf alone.

The IMCA membership now stands at over 600 and is growing. This is testament to the strength and effectiveness of the association and an indication that a strong organisation is required in such economic times, when companies are being squeezed to reduce costs.

How else is IMCA important to your company?

IMCA provides the vehicle for identifying good practice. Without such an organisation no company, large or small, would have access to the lessons to be learnt from others' experience. We would rely more heavily on our clients taking an overview and upon local and regional legislation. With IMCA we are able to take a more global perspective with clients and regulators, be proactive, provide consistency and remove some of the vagaries of the market.

How do you see the future?

The future is bright! What we are facing now is an inevitable part of our cyclic industry. We have been here before on several occasions and each time the industry has recovered, perhaps a little stronger each time. We are renowned for a 'can do' attitude and problem solving. Sometimes as an industry we might seem a little slow, but as Plato and others have said, if 'necessity is the mother of invention' – we will either resolve these issues or have others resolve them for us through legislation.



Forthcoming events

- 8-11 September
Offshore Europe
Aberdeen, UK
- 10 September
Europe & Africa Section
Aberdeen, UK
- 5-7 October
Middle East Workboats
Abu Dhabi, UAE
- 6 October
Middle East & India Section
Abu Dhabi, UAE
- 15-16 October
Deepwater Southeast Asia Congress
Kuala Lumpur, Malaysia
- 4-5 November
***Integrated marine operations
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IMCA annual seminar
Rio de Janeiro, Brazil
- 11-12 November
North Sea Decommissioning Summit
Aberdeen, UK
- 24-25 February 2010
Safety is our common language
IMCA safety seminar
Singapore
- 3-6 March
OceanTEX World Expo 2010
Mumbai, India
- 12-14 April
SPE International HSE Conference
Rio de Janeiro, Brazil
- 3-6 May
OTC
Houston, USA

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

www.imca-int.com/events



INTEGRATED MARINE OPERATIONS IN CHALLENGING TIMES

IMCA Annual Seminar 2009

An interesting and varied programme for this year's annual seminar has been published, including:

◆ Presentations

- Keynote session on the conference theme
- Plenary sessions for all delegates
- Parallel sessions for marine, diving and offshore survey/ROV

◆ Workshops

- A variety of discussion sessions for each sector dedicated to key issues facing the industry

◆ Exhibition

- Supplier members of IMCA displaying their latest products and services

◆ Social events and networking opportunities

- Dinner in the *Porcao Rio* restaurant
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