

IMCA hits a home run in Houston

Record attendance at seventh annual event covers all the bases as IMCA and GCSTG members discuss how to further enhance health, safety and environmental performance in the offshore industry and learn not just from each other ...

The seventh annual IMCA safety seminar, on the theme *Health, safety and the environment: Covering the global HSE bases*, was held at Minute Maid Park, home of the Houston Astros baseball team in Texas, USA in conjunction with the Gulf Coast Safety & Training Group (GCSTG).

A record 140 delegates attended this, the second such event to take place outside Europe, confirming that IMCA's global HSE journey is well underway.

The seminar featured the usual mix of presentations and round table discussions on a variety of topical safety-related issues, as well as a safety share fair where members displayed their companies' own safety promotional materials and discussed each other's successful initiatives.

Wallace Robertson of Helix Energy Solutions Group, Chairman of the IMCA Safety, Environment & Legislation (SEL) committee, opened the event with a keynote address in which he reviewed progress

towards IMCA members' objective of improved offshore safety. Drawing from the language of the baseball field, he explored how members could 'score a home run' in safety terms before challenging delegates to achieve and maintain safe operations in the current cost-cutting environment by reminding everyone that safety is all about people.

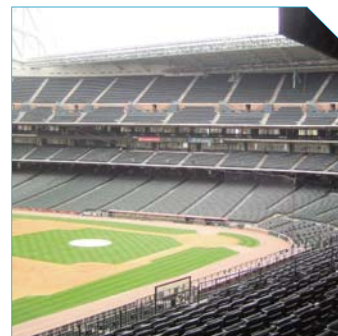
Another key theme for the event was contractors and their clients working together to make the workplace free of illness and injury. A stimulating round table discussion session covered safety in contractor/client relationships, while other such sessions covered what makes a successful toolbox talk, occupational health offshore and changing behaviours to achieve an injury-free workplace.

Other highlights included presentations on safety in harsh environments, implementation of electronic permit-to-work systems and managing safety among multi-national crews.

A talk on safety from 'Scooter the rodeo clown' was entertaining and brought a fresh perspective while identifying the parallels that apply to the need for proper planning and ongoing safety awareness no matter what the situation. On the final evening, delegates visited the Houston Rodeo and Livestock Show for a unique social networking event – all part of the great mix of learning, sharing, networking and social opportunities included in IMCA's flagship events.

The seminar was considered by delegates to have been a further successful step on their ongoing journey towards an incident- and injury-free global workplace. The participation and enthusiasm shown by delegates was outstanding and their valuable feedback will help ensure the 2010 event is better still.

Planning for next year's seminar, to take place in the Asia-Pacific region, is already underway. Outline plans for an additional event in the US in 2010 are also being formed.



Also in this issue:

CMID update and future plans

IMCA is working with members and other industry partners to enhance the use and availability of the new Common Marine Inspection Document.

Full details can be found on page 3

Central & South America news

IMCA is forming a new regional section to cover Central and South America, with a number of meetings and other events already planned.

Find out more on page 2

Member compliance

Johan Rasmussen, IMCA President, uses his regular article to discuss IMCA as a trade association, the value of its guidance and members' responsibilities.

Read the full article on page 3

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Central & South America Section

New regional section to be formed on 1 June, with meetings in Rio de Janeiro planned for July and November and membership promotion underway.

IMCA is to establish a new Central & South America Section, intended to provide members in the region with the enhanced level of benefits achieved by members elsewhere in the world.

For the first time, regular IMCA meetings will be held in the region, providing opportunities for members to discover and contribute to the global work programme, discuss matters of local interest (including new work items) and share safety and related information with each other. As these events grow, and with the resulting expected increase in membership, IMCA will also be able to expand its local briefing and lobbying activities.

July briefing seminar

The first meeting of the new section will take the form of a briefing seminar for members, potential members and other interested parties. This event will take place on 1 July 2009 at the Guanabara Palace Hotel in Rio, for which the programme is now being finalised. Exploratory meetings in Brazil have shown that there is interest and enthusiasm for IMCA's plans.

Membership

These meetings have helped to identify key parties to be involved in the section and others to whom membership can be promoted. The Overall Management Committee has agreed a special phased entry system of subscription fees for the region and the secretariat has been busy sending information packs to points of contact in members' affiliate offices, organisations which have previously enquired about membership and other

key players in the region identified by our members.

Further information is available on request from Hugh Williams, with suggestions of other potential members welcomed. Please help us to give the new section a great membership boost.

Annual seminar

The 2009 IMCA annual seminar is to take place on 4-5 November at the Sofitel Hotel by Copacabana Beach in Rio de Janeiro.

The event is to be titled *Integrated Marine Operations in Challenging Times* and a comprehensive programme of presentations from local and international speakers, workshops on topical themes and social/networking sessions is currently being finalised.

Full details will be circulated to members as they become available and online at www.imca-int.com/events



North America

At the same time as the new section is established, the remainder of what is now the Americas Deepwater Section will be renamed as the IMCA North America Section. It will retain its chairman and other officers and will continue to build on its successes over recent years in terms of expanding participation in its range of Houston-based meetings, aiding recognition of IMCA among other local contractors and clients and promoting membership.

OTC

The annual *Offshore Technology Conference* (OTC) is a key event for the global industry and IMCA is pleased to be an official supporting organization. This year Nick Hough and Claudine Bleza took the IMCA exhibition stand and a range of materials for review and discussion with visitors, where they attracted much interest in IMCA and its activities.

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:

- ◆ Provide input to the revision of our key DP guidelines see page 12

- ◆ Download, use and promote the latest issue of the Common Marine Inspection Document (CMID) see page 3
- ◆ Help promote membership of the new Central & South America Section and attendance at its events see above

- ◆ Attend an event – see the IMCA calendar on page 16

The members-only website was also relaunched recently and includes a wealth of information on how members can get involved, including details on current workgroup activities and on incident reporting: <https://members.imca-int.com/takepart>

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)

Common Marine Inspection Document

The latest issue of the *Common Marine Inspection Document* (IMCA M 149 issue 7) is now available, as a free download for members and non-members, intended to encourage further adoption among the industry.

The revision was undertaken by a cross-industry workgroup, which thoroughly reviewed the previous edition, restructured the document and updated the questions and guidance for inspectors throughout.

The main changes have been to:

- ◆ clarify the structure, with various appendices relating to specific types of vessel and their operation deleted (to be addressed instead by forthcoming broader guidance on vessel assurance and dedicated guidance for relevant equipment and operations)
- ◆ remove subjectivity from the questions, so that inspectors are clear what format their responses take
- ◆ provide additional guidance on inspector competence.

As a 'living' document, the CMID can be kept updated onboard, so that the time required for an inspection can be reduced.

The overall aim of the CMID is to: reduce the number of audits in varying formats carried out on individual vessels; improve report quality and trust; and improve safety. This is achieved through adoption of a common inspection standard in the offshore industry. Good progress has been made in the 10 years since the CMID was first introduced and this issue marks another important step towards that goal.

Additional work is now underway to further enhance the use and availability of the CMID:

- ◆ a new electronic format 'e-CMID' has been commissioned, intended to ease completion by inspectors and vessel crews
- ◆ a secure online database is being established to facilitate sharing of completed inspection reports according to vessel operator wishes.

Contact: Ian.Giddings@imca-int.com

More new faces at the secretariat

The continued rise in IMCA membership has enabled further expansion of the secretariat team to aid in the delivery of services to members and we are pleased to welcome two new members of staff:

Emily Comyn has joined as a fifth technical adviser, focusing on legislative affairs. Emily's new role includes monitoring and lobbying, where appropriate, in such key areas as the International Maritime Organization (IMO), at which IMCA has observer status, and other sources of international, regional and national legislation which affects the maritime industries and IMCA members in particular.



Emily joins us from the International Chamber of Shipping, where she was Advisor (Shipping Policy), in a role representing ship operators on customs and trade facilitation issues and acting as assistant secretary to the International Support Vessel Owners' Association.

Chi Edwards has joined the support team as a sixth Administrator, where her document production skills will be put to good use preparing a range of guidance publications, minutes, information notes, safety flashes and other correspondence.



Chi has previously worked for a leading legal publications company and various corporate law firms and investment banks.

From the President

Johan Rasmussen, Acergy
IMCA President 2009



Promoting IMCA, its activities and good reputation globally is a task we all share. However, we must also promote a greater understanding of IMCA's role as a trade association and our own responsibilities as members in achieving our shared objectives.

Why does IMCA exist? To promote our members' interests, which means ongoing improvements in health, safety, environmental standards, training and competence, promoting equitable contracting regimes and lobbying for better regulation for a safer, more efficient and thus successful industry. These are goals we surely all hope to benefit from.

How do we achieve them? We produce a variety of good practice guidance, technical reports, incident analysis and other documents. Their value is shown when they are adopted by contractors (as well as clients, regulators and suppliers) and used to help ensure safe and efficient operations.

We also facilitate dialogue not just between members, but with other contractors (potential members), oil companies and other clients, suppliers and regulators. Why do these organisations listen? Because IMCA has rightly earned a reputation for the quality of its guidance, the usefulness of information sharing and the expertise of committee members and staff.

Our successes come when IMCA is recognised as a force for good in the industry. If a member is not perceived to deliver or to behave consistently with the association's guidance, such a situation may impact negatively on IMCA and its other members.

Our successes can lead to expectations that exceed the role of a trade association. IMCA is not a certification authority nor a regulator. We cannot police compliance with guidelines. The only area where IMCA performs some verification is for diving contractors and even that is specifically restricted to the capabilities of a company at the time of application.

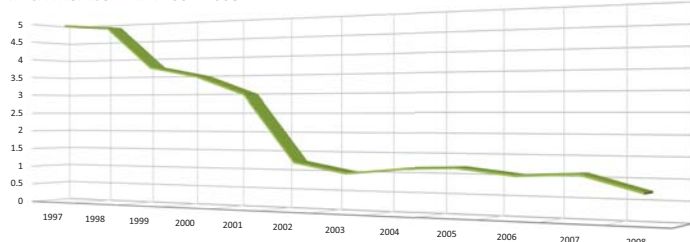
Instead, we encourage members to comply with our guidance – based, as it is, on our combined experience and constructive discussion between members in committees and at our events – and to participate in the association's activities. Contracting parties are expected to agree appropriate terms in their contracts (such as compliance with guidance) and to follow up on these (e.g. through audit) – indeed all voting members, when applying to join, agree to be audited against relevant guidelines by their clients – a commitment repeated on membership certificates.

It is through this approach that the industry achieves successful self-regulation, which benefits us all.

News from IMCA's core activities

Safety focus reflected in latest statistics

IMCA Member LTIFR 1997-2008



The report on safety statistics for IMCA members for 2008 is currently being finalised.

Data was contributed by 140 IMCA contractor members – again a significant increase and representing over 50% of that membership – which helps provide a more accurate picture of safety performance in our industry, making the analysis even more authoritative as an important benchmarking tool. IMCA is grateful to all those who have contributed but still wishes to encourage an even greater level of participation in future years.

This, the eleventh such annual report, shows a fall in the overall total recordable injury

rate (TRIR) and shows that IMCA members have achieved a significant improvement in the lost time injury frequency rate (LTIFR) – a welcome development after the flatline trend of recent years attributable to the significant investment in safety that IMCA members continue to make on a global basis.

The number of hours worked covered by the report is more than double that reported in 2007, making the reduction in incident rates all the more of an achievement, as safety has retained its vital focus in what has obviously been a busy year. This year, 15 companies reported more than 10 million man-hours worked, up from

just nine in 2007. However, there has been a worrying year-on-year increase in LTIFR for smaller companies since 2007, highlighting the possible lack of availability of resources, both material and human, to dedicate to health and safety in smaller organisations. This will be an area for IMCA to focus on in the years ahead.

A deeper analysis of the immediate causes of lost time injuries (LTIs) has been facilitated by an extension of the list of categories in which members reported this year. The most common causes identified in 2008 were 'struck by moving or falling objects', 'falls on the same level' and 'muscle stress and repetitive strain injuries'. By analysing this data, the SEL committee intends to identify new areas for its safety promotional materials (such as the pocket cards, posters and future DVDs) to address, focusing its efforts in the areas that can make the biggest difference in future years.

The full report will be circulated to members shortly as an SEL information note.

Safety training

A key IMCA objective is to ease the free movement of personnel around the globe. One aspect of this is ensuring that personnel are suitably trained and prepared for offshore work sites and that, where such suitable training is provided, certification is widely recognised and transferrable between locations.

At the same time, national and regional initiatives often seek to introduce new requirements with the aim of enhancing safety in those areas. However, while the goals are the same world-wide, implementation and the administrative requirements can vary, introducing new burdens and barriers for our members.

With this in mind, IMCA is working closely with Australian authorities developing a common safety training model, with members active in the Asia-Pacific Section closely involved in the work. Similarly in the UK, the new Minimum Industry Safety Training (MIST) standard has implications for members on which IMCA is in dialogue with author OPITO and has provided briefing.

For further details please contact Emily.Comyn@imca-int.com

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New first aid and emergency drills

IMCA has published a new document to assist its members in ensuring the ongoing competence of first aid and other emergency personnel onboard their vessels – *First aid and other emergency drills* (IMCA C 013).

Rather than being a traditional guidance document, it instead sets out a range of generic first aid and other emergency drill templates which members can use onboard their vessels as part of on-the-job training.

The drills cover a number of different scenarios encompassing a range of activities on a vessel, such as:

- ◆ General scenarios
- ◆ Saturation diving
- ◆ Air diving
- ◆ Engine rooms
- ◆ Machinery spaces
- ◆ Galley
- ◆ Helideck
- ◆ ROV spreads
- ◆ Pipelay
- ◆ Elevated work areas

Each drill has been written so that it can evolve based on



specific work sites and personnel. Participants are provided with updated information on a real-time basis, with the drills setting out their expected reactions.

The drills are designed to provide the reader with a number of pieces of information. Each of them is educational in its own right on the challenges of accidents and medical issues in an offshore environment. These may prompt the reader to look at developing or updating company procedures.

It is envisaged that members may wish to add scenarios to this document to suit their own company circumstances, in order to share best practice or to improve the practical aspects of the document.

Any member wishing to contribute scenarios to this document should forward them to the secretariat for consideration when future updates to the document are produced.

The document is available now via the members-only website or from publications@imca-int.com

Permits-to-work

The SEL committee is to develop guidance on permit-to-work systems, which will possibly include the development of a DVD.

A workgroup has been established with a broad remit covering the wider aspects of work control and safe systems of work, including permits-to-work. The group has already met and is developing flowcharts covering areas from safety cases and initial desk-based risk assessment through to the execution of the job.

From these flowcharts, it is intended to develop a deeper understanding of what is needed in terms of the level and content of future IMCA guidance on the subject.

For more details or to contribute, e-mail Nick.Hough@imca-int.com

Promoting careers via YouTube

IMCA is developing a short video to promote careers in the offshore industry, which will launch shortly via YouTube. Members will be advised and www.imca-int.com/careers will be updated when it is available.



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Regional news

Americas

Central & South America

As noted on page 2, the new IMCA Central & South America Section will be formed on 1 June, with its first meeting taking the form of a briefing seminar in Rio de Janeiro, Brazil on 1 July.

North America

The remainder of what is now the Americas Deepwater Section will be renamed and become the North America Section on 1 June. The section is planning its next open-format meeting and a larger event in 2010, following this year's successful Houston safety seminar.

Europe & Africa

The next meeting of the IMCA Europe & Africa Section is being planned for 10 September at the Aberdeen Exhibition & Conference Centre (AECC), Aberdeen, UK.

The meeting will take place alongside the popular *Offshore Europe* exhibition and conference, which takes place on 8-11 September, which many IMCA members will already be visiting and will provide an excellent opportunity for members to catch up on the latest IMCA developments and network with industry colleagues.



Jane Bugler and Emily Comyn with members and guests in Singapore

Asia-Pacific

Over seventy members and guests attended the latest Asia-Pacific Section meeting on 30 April, in the changed venue of Singapore.

The meeting opened with a session for member-only business, including an update on recent IMCA activities and a review of various regional developments such as the continuing work in Australia to push for a competency scheme for offshore crane drivers and development of accommodation guidelines by the Australian regulator, NOPSA. There was also a brief discussion on the differences between IMCA guidance and classification society requirements for diving equipment and on problems associated with the 2008 review of the IMO Special Purpose Ships (SPS) Code – both key topics included in the programme for further discussion at this year's IMCA annual seminar in Rio (see page 2).

Guests were then welcomed for the meeting's second session, which included three interesting presentations on hyperbaric reception areas, knock-for-knock clauses and, particularly topical, personal locator beacons. The day concluded with a final session of workshops, reviewing the Australian proposals for a common safety training programme for the oil and gas industry and considering common practices and procedures for diving bell blow-down and venting, in light of a recent IMCA safety flash.

The next meeting will take place in Bangkok, Thailand, on 13 August.

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

Middle East & India

The latest section meeting, held in Jebel Ali, UAE on 16 February, saw 43 delegates – members, prospective members and clients – attend for a range of discussions. This further increase in attendance was a welcome surprise and has prompted a move to larger conference venues for future meetings.

The region's representatives on the global IMCA committees, assisted by Paul Evans of the IMCA secretariat, reviewed technical developments and recent documentation. Delegates were able to learn about the association's current work and provided feedback from their perspective working in the region, as well as discussing topics of particular local interest.

The section is meeting again, in Abu Dhabi, UAE on 18 May. With Steve MacMillan standing down as the section's chairman after seven successful years, as he moves to a new position, an election is currently underway and his successor will be announced at the meeting. We will introduce the new chairman in our next issue.

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Jane Bugler
Technical Director



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Technical Adviser



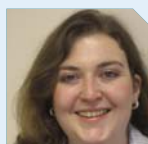
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Paul Evans
Technical Adviser



Emily Comyn
Technical Adviser

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

Adam Hugo
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Nina Adams, Senior Administrator
- publication sales

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

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

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

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 Ingebreetsen, Oceaneering

Regional Section Chairmen and Vice-Chairmen

Americas Deepwater

Alan Allred, Aker Marine Contractors

Bruce Gresham, Heerema Marine Contractors

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

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

Americas: Tony Greenwood, Cal Dive International

Asia-Pacific: Mike Kelly, SeaSafe

Middle East & India: Mohamed Omar, INW

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

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: Des Power, Subsea 7 Asia Pacific

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

Hans Berkhof, Noordhoek Offshore

Calum Buchanan, RBG

Maurizio Chines, Saipem

Craig Cook, SMIT Subsea

Americas: Allan Palmer, Helix ESG

Asia-Pacific: Glyn Jones, Hallin Marine

Middle East & India: Kris Chambers, Global Industries

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

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, 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: Mark Beloeil-Smith, GEMS International

Remote Systems & ROV Division MC

Chairman: Neil Milne, Subsea 7

Vice-Chairman: Espen Ingebreetsen, 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.

Mark Slessor, Saipem

John Pirie, Technip

Grant Cowie, TS Marine

Americas: Ian Edmonstone, Helix ESG

Asia-Pacific: Ian Huggins, Hallin Marine

Middle East & India: Doug Graham, Fugro Survey ME

International Contractors

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

Contractors

Abel
Aceryg 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
Algosaibi 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
BEKK Solutions Ltd
Bibby Offshore Ltd
BJ Services Co (Middle East) Ltd
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 Uglad 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
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 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
GEMS International NV - Abu Dhabi
Geolab Ltd - Abu Dhabi
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
Inspecta International Co. LLC
Inspectahire Instrument Co. Ltd
Integrated Subsea Services 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
Knutson OAS Shipping AS
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 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
Miclyn 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
Odfjell 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
Prosafte 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
Sapura Diving Services Sdn Bhd

Sarku Engineering Services Sdn Bhd
SAROST SA
SBM Offshore NV
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
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
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
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Air Liquide America LP
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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
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
Estar 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
Pommec TDE bv
Proserv Offshore
Redaelli Tecnica 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-EI 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
TGH AP Pte Ltd
Trelleborg Protective Products AB
Trim Systems Pte Ltd
The Tritanium 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)
ARY 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
El-Automation AS
ETPM Ltd
Exmed Stirling 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 - 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

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
 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
 Sigma Offshore Ltd
 PT Sirius Maritimindo Services
 Skan-EI 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
 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
 Ambergjack Oil & Gas Recruitment Svcs
 Aqua Omega Services Pvt Ltd
 Atlanta Ltd Maritime Agency
 Atlantic Resourcing Ltd
 Atlas Seistech
 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
 PT Pakar Sinar Jaya
 Petrolis SA
 PR Offshore Services Ltd
 ROVin Marine Ltd
 Seatex 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 Center
 Alesund University College
 AMC Search Ltd
 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
 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
 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
 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
 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
 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
 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
 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
 Zakum Development Company

IMCA welcomes the following new members:

◆ AMC Search Ltd

The international business arm of the Australian Maritime College, AMC Search has recently added DP operator and advanced courses to its diverse suite of short courses and consultancy services provided to the maritime and offshore industries.

Tel: +61 (0) 3 6335 4850

Web: www.amcsearch.com.au

◆ BEKK Solutions Ltd

An underwater service provider, primarily based in Hong Kong with offices and inventory also stationed in India, UAE and Singapore.

Tel: +852 2791 5252

Web: www.bekksolutions.com

◆ Bonifacio srl

An Italian provider of ROV training courses and competency services. Bonifacio develops flexible competence-related materials, particularly adapted to meet the specific requirements for small companies.

Tel: +39 335 784 8246

Web: www.bonifaciosrl.it

◆ Flinders Practice Hyperbaric & Occupational Medicine

◆ GEMS International NV - Abu Dhabi

A branch division of the GEMS Group providing specialist survey services in the gulf region. GEMS specialises in providing geophysical and hydrographic surveys, marine geotechnical services (near-shore and offshore) and metocean support.

Tel: +971 (0) 2 554 8664

Web: www.gems-group.com

◆ Inspecta International Co. LLC

◆ PT ISBI

◆ Kreuz Subsea Pte Ltd

Managed and operated by seasoned and experienced personnel with over 25 years' experience, Kreuz Subsea is committed to provide a service prioritising safety, quality and accountability. In just eight months, the company has already been associated with a wide variety of clients.

Tel: +65 6505 0600

Web: www.kreuzinternational.com

◆ North Sea Lifting Ltd

For over 20 years the company has been a leading provider of training services and teaching documents to international oil operators, service companies and major contractors worldwide.

Tel: +44 (0) 1224 208988

Web: www.nsl-aberdeen.com

◆ Offshore Technical Management Solutions International

◆ Optimus Safety Management Ltd

Optimus helps to bring about positive and sustainable change in customers' safety, health and environmental (SHE) performance and culture. This is achieved through addressing behavioural issues and human factors in the workplace.

Tel: +44 (0) 1224 330540

Web: www.optimus-she.com

◆ PT Pakar Sinar Jaya

◆ Petro Canada Netherlands BV

◆ Petrofac Training Inc.

A provider of competence-led training and consultancy solutions to the international energy industry with close to 30 years' experience in providing innovative training services, consultancy and complete managed solutions from purpose-built training centres across the globe.

Tel: +1 281 902 5972

Web: www.petrofactraining.com

◆ ROVin Marine Ltd

◆ Seabed AS

◆ Seadrill Americas Inc.

◆ Seahorse Services Co. Ltd - Training

◆ Sheffield Offshore Services Pte Ltd

◆ Sigma Offshore Ltd

◆ UMC International plc

A specialist in underwater afloat repair and maintenance technology, avoiding the need to dry dock and off-hire, allowing vessels and platforms to remain longer at sea, earning and operating, including comprehensive turnkey project management, technical support and service delivery.

Tel: +44 (0) 23 8026 9866

Web: www.umc-int.com

◆ UTEC Survey Asia Pte Ltd

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: + 65 6546 7446

Web: www.utesurvey.com

◆ Vector Offshore Ltd

Recent name changes

- ◆ Atlas DOOR is now *Atlas Seistech*
- ◆ Rana Diving & Marine Contractor srl is now *Rana Diving spa*
- ◆ Technical Diving Equipment Pommec BV is now *Pommec TDE BV*

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:

- ◆ **First aid and other emergency drills** (IMCA C 013)
- ◆ **Common Marine Inspection Document** (IMCA M 149 issue 7)
- ◆ **Guidance on the design, selection, installation and use of uninterruptible power supplies onboard vessels** (IMCA M 196)
- ◆ **IMCA Guidance on Offshore Diving CD** issue 5
- ◆ **Considerations for the safe operation of autonomous underwater vehicles** (IMCA S 011)

Safety flashes:

- ◆ **Safety flash 03/09** – covering five incidents: Diver entrapment; Dive bell gas loss during internal bell checks; Crushed finger; Near-miss incident involving a diver's umbilical; Bolt failures on Lawson ROV launch and recovery systems
- ◆ **Safety flash 04/09** – covering three incidents: Burns suffered in confined space; Hand injury caused when worker tripped over hazard; Mooring incidents
- ◆ **Safety flash 05/09** – covering two incidents: Fire in vertical lay system moonpool; Personal locator beacons on helicopters

Information notes:

Safety, Environment & Legislation (SEL)

- IMCA SEL 04/09** – Offshore helicopter landing areas - guidance on standards: UK Sector - Revision of CAP 437: *Offshore Helicopter Landing Areas - Guidance on Standards*
- 05/09** Maintenance of diving bell hoist ropes: Withdrawal of UK HSE Diving Information Sheet DIS 6 in light of IMCA guidance
- 06/09** Feedback on the implementation of the IMO International Ship and Port Facility Security (ISPS) Code
- 07/09** North West Europe Helicopter Accidents - Industry Group Formed
- 08/09** Latest advice regarding pirate attacks off the coast of Somalia
- 09/09** Major medical emergency planning

Diving Division

- IMCA D 04/09** – Update on global navigation satellite systems
- 05/09** Maintenance of diving bell hoist ropes: Withdrawal of UK HSE Diving Information Sheet DIS 6 in light of IMCA guidance
- 06/09** Medical examination of divers: Middle East & India initiative
- 07/09** Medical examination of divers: Asia-Pacific initiative

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

Marine Division

- IMCA M 05/09** – Offshore helicopter landing areas - guidance on standards: UK Sector - Revision of CAP 437: *Offshore Helicopter Landing Areas - Guidance on Standards*
- 06/09** Maintenance of diving bell hoist ropes: Withdrawal of UK HSE Diving Information Sheet DIS 6 in light of IMCA guidance
- 07/09** Update on global navigation satellite systems
- 08/09** International Maritime Organization Sub-Committee on Ship Design and Equipment - 52nd session
- 09/09** Feedback on the implementation of the IMO International Ship and Port Facility Security (ISPS) Code
- 10/09** North West Europe Helicopter Accidents – Industry group formed
- 11/09** Latest advice regarding pirate attacks off the coast of Somalia
- 12/09** Global navigation satellite system (GNSS) receiver interference

Offshore Survey Division

- IMCA S 03/09** – Update on global navigation satellite systems
- 04/09** Global navigation satellite system (GNSS) receiver interference

Remote Systems & ROV Division

- IMCA R 03/09** – Update on global navigation satellite systems
- 04/09** World-wide ROV personnel statistics for 2008



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- **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**



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Diving Division



Extended recognition for diving supervisors

David Parkes, Executive Director of the Diver Certification Board of Canada and Jane Bugler, IMCA Technical Director, recently signed an updated memorandum on the mutual recognition of offshore air and bell diving supervisors. The agreement means that Canadian-certified supervisors are now fully recognised in line with IMCA guidance, while IMCA-certified supervisors are eligible for certification to work in regulated Canadian waters.

Information note IMCA D 08/09 sets details on all such current agreements, covering Australia, Canada and the Netherlands.

Full details are available via our diving supervisor certification web pages at www.imca-int.com/dcs

HP gas transfer whips

The certification, use and discard criteria for flexible hoses and whips have been a topic of discussion at recent meetings of the Diving Division Safety, Medical, Technical & Training (SMTT) Committee.

The rules applied by members on their use, inspection and rejection

are varied and can sometimes be ambiguous. With this in mind, an information note is to be developed to highlight the importance of whip maintenance regimes including marking, tagging, oxygen cleaning, inspection, testing and use.

Contact Paul.Evans@imca-int.com for more details on this work.

New criteria for testing dive harnesses

The Diving SMTT committee is currently reviewing and developing criteria for the testing of dive harnesses.

A new detail sheet is being developed for inclusion in the *Code of practice on the initial and periodic examination, testing and certification of diving plant and equipment* (IMCA D 018). It aims to provide guidance on the initial and periodic testing of dive harnesses, which is not addressed by existing IMCA guidance.

Drafting is now well advanced and publication as an information note (for inclusion in a future revision) is expected shortly.

Please contact Paul.Evans@imca-int.com for more details.



A very GOOD CD

A new edition of the *IMCA Guidance on Offshore Diving CD* is now available and has been distributed to Diving Division members.

The CD makes available the complete collection of current IMCA Diving Division guidance, including publications previously issued under AODC, together with IMCA core activity documentation. Also included is guidance produced by the independent Diving Medical Advisory Committee (DMAC).

While the CD can only ever represent a snapshot of the guidance already available on the members-only website at a single point in time, feedback from members shows its value as a point of reference for those, such as vessel and audit personnel, who may travel frequently or otherwise be without permanent internet access.

Additional copies of the CD are available to members, with bulk discounts available – contact publications@imca-int.com for more details

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Audits

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

Consultancy

- Equipment Valuation
- Safety Management
- Technical Authorship
- Marine Consultancy Services

Services

- Client Representatives
- Project Co-ordination
- Inspection Personnel
- SDPO & DPO Personnel
- Diving System FMEA
- IMCA Surface Supplied Diver Assessment

Email: sales@globalgases.ae
Website: www.globalgases.com

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Marine Division

Have your say on DP guidelines

One of the key documents in IMCA's extensive publications catalogue – *Guidelines for the design and operation of dynamically positioned vessels* (IMCA M 103) – is about to undergo a thorough revision. Feedback is being invited from those familiar with the existing edition – vessel operators, equipment manufacturers, specialist consultants and other members – on how to further improve the document.

A major part of the revision is to restructure the guidance, separating the design and operational aspects as far as possible.

Under one idea being considered, the new guidelines could begin with those design aspects applicable to all DP vessels, with an outline of DP classification and the requirements for each class.

The second part of the document would then address operations, covering various types of vessel and including an indication of the expected vessel class required for specific types for operation.

Among the questions being considered by the workgroup undertaking the revision are:

- ◆ Should failure modes and effects analyses (FMEAs) be included in the design section?
- ◆ Should hardware-in-the loop (HIL) testing be included?
- ◆ Should guidance on manning address the background and discipline of the DP operator?
- ◆ Should more specific modes of operation, such as vessel approach (for shuttle tankers) and riser angle (drilling and coring) be included only in the operation section or should they also feature in the design section?
- ◆ Should the vessel types covered be expanded to include well stimulation and other vessels?
- ◆ Should there be a chapter on human factors (perhaps incorporating the current appendix on DP incident reporting)?
- ◆ Should there be a chapter on record keeping, covering DP checklists, logs, etc.?

For more details or to contribute to this work, please contact Ian.Giddings@imca-int.com

IMO Update

IMCA continues to keep members updated on its activities as an observer at the International Maritime Organization (IMO) through various information notes and minutes of relevant IMCA committee meetings. Some of the key recent and forthcoming issues include:

- ◆ Discussions on the SPS Code (see right for more details)
- ◆ Recommendations for breathing air cylinder requirements
- ◆ Proposed requirements for ships' lifting appliances
- ◆ Proposals to extend the application of the IMO polar guidelines
- ◆ Problems in implementing the provisions of the International Ship & Port Facility Security (ISPS) Code
- ◆ Work to update IMO guidance on avoiding pirate attacks
- ◆ Drafting of text on DP operator competence being prepared by IMCA, OCIMF and India for inclusion in Part B of the STCW Code and currently under review.

For more details or to discuss IMO meetings and related issues, please contact Emily.Comyn@imca-int.com

SPS Code discussions

As reported in the February issue, IMO is reviewing some of the problems arising from the 2008 revision of the Special Purpose Ships (SPS) Code.

IMCA gave a presentation to the IMO DE sub-committee in March which summarised some of the difficulties and inconsistencies caused by the revised SPS Code. A lunchtime presentation was also given to try to explain the different characteristics of offshore construction vessels, as a way of illustrating the problems of a 'one size fits all' solution to such a wide variety of ships. This IMCA input appears to have generated considerable interest in this debate.

The DE sub-committee now has two remaining sessions in which to look at clarifying the classification of offshore construction vessels.

An IMCA workgroup on the subject is to develop a submission to the February 2010 DE meeting to highlight the inconsistencies that can be found between different IMO instruments when designing a new construction vessel or applying the SPS Code to existing vessels and to suggest a possible way forward.



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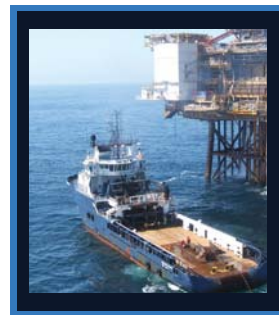
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Offshore Survey Division

IMCA analysis keeps the DP fleet safe

DP station keeping incident reports for 2007 have been analysed and statistics compiled, with the annual report now being processed for publication through IMCA's committees.

This year sees another increase in the number of incidents reported, but it is still felt that under-reporting is an issue. Members are encouraged to report incidents, particularly those who have not normally submitted such reports in the past.

Analysis of incident reports for 2008 is now beginning and members who have not already done so are asked to submit their reports as soon as possible for inclusion.

At the same time, a review of the reporting system is taking place, to help ensure the system is both easy to use and trusted by vessel operators. It is through high levels of reporting that trends and common triggers can be identified and subsequently addressed through work by IMCA, helping to keep the global DP fleet safe and operational. To assist with this, reports are already accepted in companies' in-house formats and a workgroup is now looking at other aspects, such as what information should be included in reports, such as lessons learnt and actions to prevent recurrence.

Please e-mail incidentreports@imca-int.com to report an incident. Reporting forms are available at www.imca-int.com/incidentreports

New guide to use of UPSs onboard vessels

New Guidance on the design, selection, installation and use of uninterruptible power supplies (UPSs) onboard vessels, the development of which was reported in our February issue, has now been published, as IMCA M 196.

Technical research and reviews were carried out and surveys undertaken among users in IMCA's vessel operating membership.

The result is the publication of this comprehensive guidance document which aims to address all aspects of the use of UPSs in the offshore industry.



GNSS in focus

IMCA's Offshore Survey Division has published information note IMCA S 03/09 (also issued to the other three technical divisions), updating members on recent technical and commercial developments with regard to global navigation satellite systems (GNSS).

There has been significant technological change in this area in recent years and it is anticipated that this will continue over the next decade.

IMCA's information note covers: technical developments with the US GPS, including new signals available to users, new satellites and refurbished ground stations; developments with GLONASS, the Russian space-based navigation system; the proposed European Galileo system; and some of the other systems around the world, including those under development in China, India and Japan.

The note is available to all members via the divisional information note listings on the members-only website.

The division is also working on developing new guidance for the industry on specification and installation of GNSS.

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

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Offshore Survey and Remote Systems & ROV Divisions

New AUV guidelines

IMCA has recently published *Considerations for the safe operation of autonomous underwater vehicles (AUVs)* (IMCA S 011).

Aimed at those using AUVs in the offshore oil and gas and submarine cable industries, the document is intended to brief readers on some of the basic aspects of safe AUV operations, including mission planning and launch and recovery.

The scope of the guidance covers the current commercial use of AUVs – where they are currently becoming industry work tools for acquiring multibeam, sub-bottom profiler and side-scan sonar data.

The publication contains sections on environmental considerations, power, on-site AUV maintenance, unplanned mission termination, manual handling and lifting and the competence and training of associated personnel.

The document also references other IMCA guidance as appropriate, particularly reflecting similarities between AUV and ROV operations.

To obtain a copy, visit the members-only website or e-mail publications@imca-int.com



Getting the right ROV personnel

IMCA has updated its guidance on *Entry level requirements and basic introductory course outline for new remotely operated vehicle (ROV) personnel* (IMCA R 002 Rev. 2).

The review was intended to reflect technological and operational developments since the previous (January 2000) issue.

In particular, however, the updated version addresses feedback from contractors active throughout the ROV industry on the skills they require of new candidates seeking employment. It is important that such candidates have thorough training in electrics, electronics, hydraulics or mechanics to equip them for the roles they will be required to fulfil as part of an offshore ROV team.

The updated guidance therefore clarifies the entry-level requirements, including a new checklist format to help potential training candidates and schools better assess and advise on future employment prospects before beginning a course.

The new version is available as a free download at www.imca-int.com

Personnel statistics

Following our article in the February issue, we received a good response from members and have now published data on personnel employed in the industry in 2008.

The report, issued as information note IMCA R 04/09, provides a useful snapshot of employment and activity across different industry sectors. For the second year, data was analysed on a world-wide basis and a useful set of data is starting to be established.

ROV code update

An updated edition of the *Code of practice for the safe and efficient operation of remotely operated vehicles* (IMCA R 004) is currently being finalised.

The changes include additional guidance on safe crewing levels when operating ROVs with the sophisticated tools packages now in use and enhanced information on tether management systems, while the opportunity has also been taken to complete a thorough review and update of the code's technical information.

The revised text is currently with the Overall Management Committee for approval, with publication expected in June.



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Spotlight on Espen Ingebretsen

Espen Ingebretsen is ROV Manager - UK & Europe with Oceaneering International and serves as vice-chairman of the IMCA Remote Systems & ROV Division Management Committee. In this article, he discusses his 'day job' and provides a personal insight into the market outlook from an ROV perspective.

Tell us about your company

I work for Oceaneering International, a company with a very wide platform of competence in several disciplines from subsea to outer space. However, the largest business segment within our company is ROV operations, supported by engineering and remote operated tooling.

Oceaneering currently operates in excess of 233 work-class ROV systems world-wide, of which 61 are currently operating in the North Sea. In addition, 25 observation-class systems are operating in this area.

As a company, we decided about 15 years ago to design and manufacture our own brand of ROV systems to have full control over the supply, technical and operational support, spare parts, lessons learnt and personnel training, which is probably our most important in-house service. No equipment works better than the personnel operating it!

What is your current job?

My current job is 'ROV Manager' for our operations in the UK and European sectors. Our office supporting ROV, tooling, engineering, inspection services and integrity management is located in Aberdeen with an onshore staff of approximately 400 people.

How did you reach this point in your career?

In relatively short terms, my path from college and electronic engineering to where I am today has been a very interesting and educating journey. After some time with Brown & Root/Halliburton, I joined Oceaneering in an offshore capacity, then onshore in a technical position within our ROV section.

After a while I got into projects and project management and spent a few years abroad – in Singapore and Houston – as a project manager. After my last stop in Houston, where I undertook intervention consulting for BP and Shell E&P, I moved with Oceaneering to Norway to take on operational management for vessel projects in the North Sea.

After four years in Norway I took responsibility for our ROV business in the UK.

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

The key areas right now are the repercussions of the financial crisis and an oil price which has decreased by almost \$100 per barrel since its peak a year ago. The operators suffer from high operating costs in parallel with the lower price of oil, which has led to world-wide initiatives amongst the oil companies to lower the cost of third party services and to cancel or postpone new projects.

We, as other service companies, face the increased cost burden – our costs have increased significantly over the past few years. Supply and demand normally drive up the cost of both personnel and hardware, but as most businesses in the industry have, we have initiated cost reduction efforts, in order to negate the effects of new commercial terms brought on by the times we are in. We consider ourselves lucky, as the impact of these changes so far has affected us only to a limited degree, as our continuous improvement initiatives have resulted in cost savings and good project execution. In line with the rest of the ROV industry we are also making ongoing efforts to identify even smarter solutions and to perform the work we do in an even leaner manner, while being careful not to negatively impact the safety or quality of our operations.

How can these issues be taken forward?

I believe we can use our common efforts to identify viable solutions to help stabilise the way projects are planned and executed in order to avoid large fluctuations in workload versus the market's capacity to undertake the work. It's only natural for businesses to expand during high times, but the same effort to prosper will eventually create over-supply in the marketplace and add to the impact of a downturn.

There is still much to be accomplished within the oil and gas industry over many years so, in wishful thinking, I would envisage a market with high activity based on better long-term strategies.

How do you think IMCA makes a difference?

IMCA plays an important role in raising awareness of the issues impacting the ROV industry and other service disciplines it embodies. As an independent party to the ongoing co-operation between service companies and operators to further develop an already mature market, IMCA can broker solutions to support safe best practice execution to fill the needs of any challenge.

How is IMCA helping members to address the challenges of working with ROVs in ever deeper waters?

Again, IMCA's work to highlight the issues and encourage service companies and operators to share experience through seminars, workshops and documentation is important in the cultivation of new technology, identification of better solutions and spreading good practice through operations at all depths.

It is most important to recognise and deal with the increased impact ROV services can have on deep water exploration and field development projects, as any surface-to-seabed task takes so much longer to carry out.

Therefore, it is paramount to secure relevant and proper personnel training, technology and methods to attenuate the impact problems and delays can have on deep water operations. IMCA and its Remote Systems & ROV Division in particular have developed guidance which helps in all of these areas and continues to update and expand this knowledge base to reflect industry developments.

How do you see the future?

Who would not wish to have a high precision 'crystal ball' to predict the outcome of actions and the variations in the global energy markets? We should be so lucky! Utopia aside, I believe we have many years, possibly decades, left of oil and gas production which will continue to generate global requirements for technology and resources.

When the exploration and development of oil and gas fields meets its expiry date, the inspection, maintenance and repair (IMR) sector will continue to generate work for the ROV industry for many years.

Another important pillar for the future in terms of ROVs and remote technology for the subsea/offshore market is renewable energy. We already see an increase in renewable energy projects and installation of offshore wind farms, requiring similar services to the installation of oil and gas-related subsea structures. Renewable energy will form a new cornerstone in the perpetual development of subsea and offshore technology, thus giving the ROV industry new opportunities.

Forthcoming events

- 18 May
Middle East & India Section
Abu Dhabi, UAE
- 20 May
IMCA Social Reception
HQS Wellington, London, UK
- 27 May
IMCA Golf Day
Aberdeenshire, UK
- 27-29 May
Deepwater Asia Congress
Shanghai, China
- 12 June
Midsummer Charity Ball
Kincardineshire, UK
- 29 June
The European DP Conference
London, UK
- 1 July
IMCA Briefing Seminar
Rio de Janeiro, Brazil
- 13 August
Asia-Pacific Section
Bangkok, Thailand
- 8-11 September
Offshore Europe
Aberdeen, UK
- 10 September
Europe & Africa Section
Aberdeen, UK
- 5-7 October
Middle East Workboats
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
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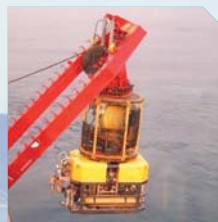
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