



**The International Marine Contractors Association**

*Representing offshore, marine and underwater engineering companies*

news letter  
May 2006

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## A winning day for safety

One hundred and eighteen delegates met at Murrayfield international rugby stadium in Edinburgh, UK, on 9-10 February 2006 for the fourth IMCA safety seminar, which was judged a resounding success.

Building on the success of previous events at the football stadiums of Ajax Amsterdam, St James' Park, Newcastle, and Old Trafford, Manchester, this event was very well attended by a wide range of industry professionals from both offshore and onshore. Their combined wealth of diverse experience contributed to highly productive discussion sessions and led to the identification of various work items for IMCA's SEL core committee to address as part of its forward work agenda.

The seminar programme included presentations on many safety-related subjects, including a very topical update on security issues.

The highlight of the opening day was a moving and personal account from Robin Beckett (Subsea 7) about the effects of a serious industrial accident that brought home why the industry must continue to share and learn lessons to keep improving safety and to avoid incidents in the future. "It only takes a minute", he stressed, to cause or avoid an accident.

On the second day, Anders Hovemyr (International Management Consulting) gave a thought-provoking talk addressing cultural differences in business life. The discussion this provoked highlighted how easy it is to stress one's own cultural priorities and to ignore those of others, to the detriment of all parties concerned.

Other papers explored tools such as risk assessment and safety promotion materials, perennial issues such as control of sub-contractors and industry topics such as hot work, working at heights and cranes and rigging.

*The presentations and a report on the discussions have been issued on CD to delegates and other members.*

*IMCA's membership  
now exceeds 300  
organisations.*

*See page 12-13 for the  
complete list*

## ROV seminar

Over 70 delegates attended the IMCA ROV seminar held on 22 March 2006 at the ExCeL exhibition centre in London, alongside the popular Oceanology International event. For a full report of the meeting see page 7

*Delegates responding  
warmly to a presentation  
made to the safety seminar*



## In Memoriam

It is with great sadness that we must report the deaths of two IMCA committee members – Hugo Bekker, long-serving Chairman of Marine Division since 1995 and OMC member, along with Bob Downing, member of the Offshore Survey Division Management Committee.

In these two men IMCA has lost two very active supporters who contributed greatly to the growth of IMCA over the past decade.

Our thoughts are with their family and friends.

*Full obituaries follow on pages 8 and 9 respectively.*

## Communications update

While IMCA's technical work continues at a frantic pace, we are also continuing to further improve our communications with members, potential members and related organisations.

A new 12 page brochure entitled 'IMCA in depth' has been published and is being circulated to members. This eye-catching document is packed with information on the wide range of IMCA activities and illustrated with fascinating photographs of member activities. Please contact the secretariat if you have not seen it and would like a copy.

IMCA has developed a new distribution list and will shortly begin providing staff in member and client public affairs departments – those who specifically keep an eye on industry developments for their respective companies – with updates on IMCA activities and additional background information.

*To be added to this list, please contact [Hugh.Williams@imca-int.com](mailto:Hugh.Williams@imca-int.com).*

## Contracts activities – Update

After the work done in recent years, it seems timely to provide an update of IMCA's contracts activities:

- The IMCA Contracts Workgroup, chaired by Denise Greenhalgh of Technip, remains highly active. In addition, a second workgroup, under the Americas Deepwater Section and chaired by Sharon Adams of Helix ESG, is further enhancing the international perspective applied to IMCA's work in this area.
- The IMCA Contracting Principles, published in February 2005, are being used and welcomed as a discussion document by contractors and clients alike.
- IMCA has published specific contracting documents relating to survey and ROV support services, with a further ROV support vessel contract in development.
- Work is ongoing to finalise a second discussion document covering commercial risk issues. This should be out by July of this year.

IMCA's aim – to achieve equitable contracting principles – is pursued directly through the publications listed above. IMCA also supports other initiatives within the industry which help improve efficiency and provide off-the-shelf contracts, avoiding the need to re-invent the wheel each time. Examples include work in the UK on (LOGIC) standard contracts, standard invitations to tender and the PILOT Supply Chain Code of Practice.

## Anna Jackaman joins IMCA

IMCA's support services team expanded in mid-February when Anna Jackaman joined the secretariat as a senior administrator.

Anna will form part of an enhanced secretariat presence at the growing number of events working with Parul Patel on seminars, exhibitions and IMCA social occasions. She will also help Adam Hugo produce the

variety of documents which members regularly receive and perform a range of other tasks to support IMCA committees and secretariat.

26 years old and originally from a small village near Sandwich in Kent (South East England), Anna graduated with an Art History degree from the University of Essex in 2001. She worked in administration and events management in Essex, France and London before joining IMCA.

### Remotely Operated Vehicles (ROVs)

Divex supplies the complete SeaBotix LBV range - the most sophisticated and capable small ROVs in their class. These are fully customisable to suit your specific requirement. We also provide system support and an array of dedicated equipment, including fly-outs, grabbers, sonar and tracking systems.



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## Social events

Major events on the IMCA social calendar are fast approaching:

The second **IMCA Golf Day** takes place at Deeside Golf Course, Aberdeen, on Thursday **18 May 2006**.

Competing for the IMCA Quaich, those participating will take part in two rounds of golf, followed by dinner and a prize giving.

The annual **IMCA Midsummer Charity Ball** takes place on Friday **23 June 2006** at the Marcliffe at Pitfodels, Aberdeen, UK. Following welcoming drinks and the always-sumptuous dinner, a splendid evening's entertainment is lined up, with speeches, music, dancing and the ever-popular casino. This year we will be joined by comedian Craigie Veitch, a former journalist and sports editor, Scrabble champion and after-dinner speaker popular in Scotland and indeed around the world.

This year's charity ball is in aid of the Marine Society & Sea Cadets, supporting the education of seafarers.

The Marine Society is in its 250th anniversary year and merged with the Sea Cadets in 2004 to form an organisation that sets out "to provide personal development opportunities and support in a maritime context for young people and professional seafarers from all the sea services".

Full details on both these events, including online booking, can be found at [www.imca-int.com/events](http://www.imca-int.com/events)

*A great deal is going on right now at all levels within IMCA.*

*With our membership steadily growing I am pleased to see many more operators joining IMCA as corresponding members. This option provides clients with the opportunity to benefit from direct access to our publications, position papers and guidelines.*

*To enhance clients and contractors working together on issues important for our business, all IMCA sections use their regional meetings as a social forum where members can network with clients, typically holding two briefing sessions per year for corresponding members. IMCA has played a major role in making our industry safer, healthier and stronger, but it is widely agreed that much more could be achieved if authorities, operators and contractors pursue jointly those improvements we all want to see.*

*The shortage of skilled personnel in our industry is hurting all players and is affecting the way major developments are executed to a large extent. Contracting strategies have to be changed because of this, with inherent higher safety and monetary risks during project execution. In circumstances like this it's essential that we do not compromise on our standards and guidelines. What may appear to offer a positive result in the short-term could well*

*become a major safety or commercial disaster if standards or guidelines are 'relaxed'. We have all experienced examples of this in recent years.*

*This situation presents two major challenges: not to choose the cheapest short-term solution but to hold on to what we have all achieved with respect to safety, environment, legislation, technical qualifications, etc; and in the long-term, to work hard to train more skilled personnel and to market our industry to a new generation of students. IMCA will help deal with both these challenges where possible.*

*With the last annual seminar in Abu Dhabi now behind us, we are looking forward to the 2006 event on 19-20 September in Copenhagen, proud to*



*present three high-level keynote speakers from major operators to address the theme of 'diversity in marine construction operations'. We hope that the lovely location combined with the unique and challenging market we operate in today will bring a lot of contractors, operators and authorities together, making the 2006 seminar an unrivalled success for all delegates.*

## From the Chairman

### IMCA Overall Management Committee

President & Chairman: Frits Janmaat, Allseas Group

Vice-President: Knut Boe, Technip

Chairman Diving: Alan Forsyth, Subsea 7

Acting Chairman Marine: Pete Somner, Subsea 7

Chairman Offshore Survey: Will Primavesi, Saipem

Chairman ROV: Kevin Kerins, Oceaneering International

Chairman SEL: Chris van Beek, Heerema Marine Cont.

Chairman TCPC: John Greensmyth, Technip

Chairman, Americas Deepwater Section: Roy Sijthoff, Helix ESG

Chairman, Asia-Pacific Section: Andy Bolton, Technip Oceania

Chairman, Europe & Africa Section: Robin Davies, Subsea 7

Chairman, Middle East & India Section: Steve MacMillan, J Ray McDermott

Vice-Chairman Diving: Derek Beddows, Technip

Vice-Chairman Offshore Survey: Walter Steedman, Subsea 7

Vice-Chairman ROV: Andrew Beveridge, Rovtech

Vice-Chairman SEL: Wallace Robertson, Well Ops

Vice-Chairman TCPC: Mark Elder, Subsea 7

IMCA Chief Executive: Hugh Williams

IMCA Technical Director: Jane Bugler

## Use of simulators

During 2003, IMCA's Training, Certification & Personnel Competence (TCPC) committee decided that a study on simulator usage would be beneficial and included this in its work programme for 2004. In a bid to find out more about the use of simulators, a high-level questionnaire was developed and circulated to members. It was hoped to gather information on members' use, experience and views of simulators, particularly in relation to training, certification and competence assessment.

The results of that exercise have now been published as *IMCA C 009 – The Use of and Requirements for Simulators in Training and Operations*. Respondents ranged from large international marine contractors, through a variety of specialist vessel operators, diving and ROV companies to training establishment members of IMCA. This wide participation helps ensure that a good cross-section of views and experiences inform the findings.

Key conclusions set out in the report include that:

- Simulators are used primarily for training in both general and project-specific operations plus emergency responses to a variety of scenarios
- Simulators are used particularly widely for crane, ROV and DP/vessel bridge operations
- Integrating high levels of realism in terms of surroundings, visual and motion feedback into simulation ensures those using simulators gain the maximum benefit
- Opinions on methods of training are diverse, with many factors affecting the choice of class size, syllabus, etc. No need is currently seen for the development of a standard approach to such courses.

The report contains respondents' views on future developments, expected to include ever more sophisticated systems with more comprehensive simulations and heightened realism. There is clearly scope for dialogue between users, training providers and simulator designers to optimise these developments. A full statistical analysis of questionnaire

responses is also included.

### TCPC Core Committee

*Chairman:* John Greensmyth, Technip  
*Vice-Chairman:* Mark Elder, Subsea 7

Jennifer Cook, Acergy  
Fiona McKenzie, Acergy  
Monique Laros, Allseas Group  
Darren Bown, Subsea 7  
Gavin Smith, Subsea 7  
Mike Lloyd, Technip  
Brian Robertson, Technip  
Andy Stewart, UK Project Support

*Americas Deepwater Section:* Lou Cranek,  
Inst. of ROVs

*Asia-Pacific Section:* Vacancy

*Middle East & India Section:* Mohamed Omar,  
International Naval Works

*IMCA Schemes Administrator:* Vicki Graham

### TCPC Information Notes published since Issue 38

- TCPC 02/06 Measures to counter piracy, armed robbery and other acts of violence against merchant shipping  
TCPC 03/06 UK sector offshore helideck operations  
TCPC 04/06 Recent enforcement/testing of compliance with ship security plans under the ISPS Code  
TCPC 05/06 Training for offshore personnel in the carriage of dangerous goods  
TCPC 06/06 ILO: Comprehensive new maritime labour convention

## High voltage training

IMCA members need to be able to carry out operations, maintenance and repair of high voltage equipment efficiently and safely. They also need to know that personnel are competent for these tasks. To help with this IMCA has developed guidance which aims to define appropriate syllabi and possible course entry requirements.

IMCA has undertaken work on high voltage training previously, through the publication of an ROV-focused syllabus within *IMCA R 005* on electrical safety and *IMCA R 010* on ROV-related training. During 2002 members were asked for input on what sort of material ought to be included in a more general HV syllabus. A draft syllabus (to be published shortly) was then developed by a workgroup. This starts with a 2-3 day introduction to electrical safety, followed by a 5 day detailed course on power generation and distribution (including DP systems) and a third optional level for audit/assessor training for electricians and engineers.

## Training Opportunities

IMCA Offshore Air Diving Supervisor  
IMCA Assistant Life Support Technician  
Recompression Chamber Operator  
IMCA Diver Medical Technician  
& DMT Refresher  
HSE First Aid at Work  
Basic Hyperbaric Medicine Course  
PADI Recompression Chamber Specialty  
DAN Automated Defibrillator  
DAN Oxygen Administration  
Emergency First Response  
DSAT Gas Blender

Training to meet the needs of the diving  
and hyperbaric medical industry

For further information contact:  
training@ddrc.org

[www.ddrc.org](http://www.ddrc.org)



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## SEL – change of leadership

After many years as Chairman and previously Vice-Chairman, Chris van Beek is standing down from the SEL Core Committee at its biennial election.

Despite a busy ‘day job’ as part of Heerema’s senior management team, Chris has provided active leadership that has helped drive expansion of the committee’s work, to areas such as security, environmental issues and behaviour-based safety, plus deliverables such as the ever-growing range of safety promotion materials and the successful series of annual safety seminars. The additional responsibilities associated with membership of the IMCA Overall Management Committee have been met with the same rigorous commitment.

IMCA would like to extend its thanks to Chris for his work over many years.

## Compliance matrix

Self-regulation is a key IMCA objective, as set out in a recent factsheet and the February issue of this newsletter. To help members assess themselves relative to IMCA documents and their recommendations, a new ‘compliance matrix’ is being developed.

## SEL Information Notes

*published since Issue 38*

- SEL 02/06 Measures to counter piracy, armed robbery & other acts of violence against merchant shipping – New UK Marine Guidance Note
- SEL 03/06 UK sector offshore helideck operations
- SEL 04/06 Recent enforcement/testing of compliance with ship security plans under the ISPS Code
- SEL 05/06 Training for offshore personnel in the carriage of dangerous goods
- SEL 06/06 ILO: Comprehensive new maritime labour convention
- SEL 07/06 Bridge design: Naut-OSV guidelines

## DVD on risk assessment

IMCA’s third safety DVD will focus on the risk assessment and avoidance tools available to those working offshore – such as job safety analyses (JSAs), toolbox talks, ‘time-outs for safety’ and many more. Development will begin shortly so any members with suggestions for content (or relevant video footage) should contact [Jane.Bugler@imca-int.com](mailto:Jane.Bugler@imca-int.com)

## Security task force update

The IMCA Security Task Force is making good progress on a number of projects, with its first deliverable – *Guidance on Travel Security (IMCA SEL 014)* – to be published shortly. Domestic and international travel can expose employees and executives alike to danger and stressful situations that are more readily avoided when risks are addressed by staff awareness training and pre-travel planning. This document – aimed mainly at the traveller – covers the common risks more likely to occur. It also offers guidance for employers on company procedures. Even the most hardened travelers will find some useful advice in this material.

## Incident investigations

The root causes of an incident can sometimes prove elusive. To help, the SEL committee is developing guidance illustrating best practice in incident recording and investigation. This aims to help companies improve procedures for incident investigation and to help investigators complete their task more effectively.

Where good investigative procedures are followed then in-depth examination of an incident, with appropriate follow up, can save lives and pain. Also, the commercial benefits of preventing incidents include less time lost, less risk of litigation and better control of insurance costs.

*A first draft will be reviewed shortly by the SEL committee.*

## Safety statistics

IMCA’s analysis of members’ safety performance during 2005 will be published shortly. A record 51 contractor members contributed their statistics this year. An analysis of the Total Recordable Injury Rate (TRIR) is included for the first time this year, enabling members to benchmark their performance in the area of small injuries. IMCA believes that this measure can be an important tool for achieving the goal of a zero injury workplace. For the third year running IMCA has collected an increasing amount of data on leading indicators for health, safety and environmental performance. Some necessary changes have been made to the formulae used for calculating the leading indicators, but earlier data is placed alongside the latest results. The overall lost time incident frequency rate (LTIFR) has risen marginally for the third year in a row. A significant rise to six fatal accidents, including five offshore, has raised the overall fatal accident rate (FAR) significantly. With this in mind, the SEL core committee and IMCA will work as hard as ever to help members address obstacles to improve their safety performance and to reach the zero-injury goal.

### SEL Core Committee (election underway)

*Chairman:* Chris van Beek,  
Heerema Marine Contractors  
*Vice-Chairman:* Wallace Robertson,  
Well Ops

Paul Blewett, Acergy  
Paola Santoli, Allseas  
Mat Schreurs, Heerema Marine  
Contractors  
Philip Bradbury, Integrated Subsea  
Services  
Steve MacMillan, J Ray McDermott  
Sal Ruffino, Saipem  
Alan Forsyth, Subsea 7  
Allan Hannah, Technip  
Foeke Tulner, Workshops Contractors

#### Americas Deepwater Section:

Lynn Lehmann, Saipem

*Asia-Pacific Section:* Des Power,  
Subsea 7 Asia Pacific

*Middle East & India Section:*  
Mohamed Osman, Maridive  
& Oil Services

## Asia-Pacific

The section held its latest meeting on 20 April in Singapore. Some 48 attendees discussed IMCA world-wide activities and marine contracting issues relevant to the region. In the afternoon, three workshop sessions looked at diver training, and sought feedback on two documents under review; *IMCA M 103 – Guidelines for the design and operation of dynamically positioned vessels*, and *IMCA SEL 007 – Basic safety training for non-marine personnel on specialist vessels*. The meeting format, which had been changed to encourage better dialogue between clients and contractors, proved successful and will be adopted for future meetings.

*The next meeting takes place on 27 July 2006 in Jakarta, Indonesia.*

### Shell event – Miri

From 21-24 February, Shell EP Asia Pacific held an underwater services forum in Miri, Sarawak. The company rolled out its new group guidelines, which set out a singular approach – based on IMCA guidelines – to be taken across the various Shell operating units in the region.

The different Shell operating units and departments, plus contractors, IMCA and other E&P companies in the region, were all invited to the event. Speakers were drawn from within Shell and its contractors, as well as the IMCA secretariat to illustrate: the market size in each region and desire for unification/ co-operation; the group guidelines; contractors working in the region; the input of IMCA and how this contributes; and encouragement to other operators in the region to align with the same approach.

With the contractors present, the event closely resembled an IMCA Asia-Pacific Section meeting (see right), featuring many familiar faces. In general, the contractors welcomed the initiative and the forum provided by the event. Above all, a healthy debate emerged about how the industry would need to change to adapt to the above requirements.

## Regional Section Officers

### Middle East & India Section

*Chairman: Steve MacMillan,  
J Ray McDermott  
Vice-Chairman: Sean Brunton,  
SMIT Terminals*

### Asia-Pacific Section

*Chairman: Andy Bolton,  
Technip Oceania  
Vice-Chairman: Mark Shepherd,  
Mermaid Offshore Services*

### Europe & Africa Section

*Chairman: Robin Davies, Subsea 7  
Vice-Chairman: Ian Stevenson,  
Technip*

### Americas Deepwater Section

*Chairman: Roy Sijthoff,  
Helix ESG  
Vice-Chairman: Craig Broussard,  
Subsea 7*

## Americas Deepwater

Members are very busy in the region following the hurricanes of the past two years so when the section met on 9 March in Helix's Houston office it followed a new format designed to permit better opportunity for client dialogue between members and client company representatives. 27 attendees discussed marine contracting issues in the region and were given an update about IMCA's world-wide activities. Those present agreed to work together on aspects of vessel audit and the *Common Marine Inspection Document (IMCA M 149)*.

*The next meeting will take place on 15 June 2006 at J Ray McDermott's offices in Houston.*

### SafeGulf update

Good progress has been made in relation to this Gulf of Mexico operator-led safety initiative. Having submitted a set of questions on issues raised previously by members, IMCA went through a process after the November 2005 section meeting of identifying the status and views of members through a simple questionnaire. These were compiled and *SafeGulf* was contacted again. Written answers have now been received, which explain:

- the applicability of *SafeGulf*;
- that there can be a maximum of three visits to an operator's facility without a *SafeGulf* ticket;
- the management of change method for dealing with four visits or more;
- the involvement of a growing number of oil companies ;
- the make-up of the *SafeGulf* steering committee and the name of its contractor representative through whom IMCA and its members are currently working.

An information note summarising the initiative in relation to IMCA members which highlights issues identified to date – and responses given – has been issued to members.



## Europe & Africa

In the recent election, Robin Davies of Subsea 7 and Ian Stevenson of Technip were re-elected as Chairman and Vice-Chairman respectively of the IMCA Europe & Africa Section.

Following October's highly successful event at the Stavanger Petroleum Museum, IMCA is holding a second Norwegian briefing seminar for members, potential members and other related organisations in Høvik, Oslo, on 9 May. The format will be similar, with presentations from the secretariat and Norwegian committee members followed by a Q & A session and a reception.

Plans are underway for the next meeting of the Europe & Africa Section to take place on 27 June 2006 in Aberdeen. This event will combine committee reports with presentations and discussion on major recent publications, including the new DP guidance for OSVs and the digital video review.

*Full details will be provided to members in the region shortly.*

## Middle East & India

In the recent election Steve MacMillan of J Ray McDermott was re-elected as Chairman and Sean Brunton of SMIT Terminals Middle East as successor to Charlie Rogerson who has stood down as Vice-Chairman after eight years. IMCA's thanks go to Charlie for the excellent work he has performed over a period where the section's profile and membership have risen rapidly.

The latest section meeting took place on 13 February. The next, scheduled for 15 May in Jebel Ali, will coincide with a client briefing session. The secretariat is compiling an invitation list for this event and would welcome input from members in the region and any other interested parties.

## Seminar at Oceanology International 2006

Over 70 delegates attended the IMCA seminar held on 22 March in London alongside the popular Oceanology International. The event attracted a range of individuals working in the offshore sector around the world plus potential new recruits to the industry.

Following an introduction to IMCA and its Remote Systems & ROV Division from Chief Executive Hugh Williams, presentations were made on a range of topics.

Derek Cruickshank (Rovtech) began with a brief history of electric remotely operated vehicles (ROVs). He then set out a typical specification for a small electric work-class ROV followed by examples of the different models. He explained the advantages of smaller vehicles, covering such issues as the installation, operability, cost and environment, and identified improvements in technology which have enabled electric work-class ROVs to be used for a wide range of activities, from structural inspection through drill support and some construction work. Ray Morgan (Acergy) took this forward in his presentation, where he outlined the evolution of ROVs, resulting in machines with increased power, greater capability and vastly improved reliability. He then explained the divergent requirements between survey/inspection and construction/intervention activities and offered suggestions on future developments.

Alf Kristian Aadland (Oceaneering) explained and demonstrated the development of an ROV simulator as a full, realistic training facility in terms of buoyancy, environmental effects and complex operations. He spoke on the benefits which come from using simulators, including safer operation, reduced hardware modification costs, optimised hardware performance and increased efficiency.

The active panel discussion and question-and-answer session focused on a number of issues, including the use of simulators and the benefits of pre-planning of difficult tasks, the likely depth limitations of ROVs, the emergency and future use of autonomous underwater vehicles (AUVs) and the continued development of electric ROVs.

## Umbilical issues

Members of the Remote Systems & ROV Division Management Committee have called for research into ROV umbilicals. Recent committee meetings have considered various suggestions for such research including:

- non-destructive testing for ROV umbilicals
- corrosion mechanisms and effectiveness of lubrication
- alternative materials and alloys for armoured umbilicals.

In the near future, members of the committee will contact a number of university-based experts in wire ropes and other areas of interest, with a view to taking this project forward.

*Any interested members please contact Jane.Bugler@imca-int.com*

## Remote Systems & ROV Division Management Committee

*Chairman:* Kevin Kerins,  
Oceaneering International  
*Vice-Chairman:* Andrew Beveridge  
Rovtech

Colin Mackay, Acergy  
Michel Hebert, Bluestream  
Dave McKay, Fugro Survey  
John Davies, Global Marine Systems  
Nigel Wilmott, Helix ESG/  
Canyon Offshore  
David Rhodes, Integrated Subsea Services  
Espen Ingebrechtsen, Oceaneering  
Keith Robathan, Saipem  
Neil Milne, Subsea 7  
Dave Walker, Technip

### Americas Deepwater Section:

Pat Mannina, Oceaneering

*Asia-Pacific Section:* Neil Forbes,  
Technip Oceania

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

## Hugo Bekker 1945 – 2006

After a short but devastating illness, Hugo died unexpectedly in March.

Hugo joined the merchant navy in 1963 as an engineering officer with Nedlloyd, before joining the offshore industry in 1973. During a decade with the Netherlands Offshore Company (NOC) he held a number of positions at sea and in senior management ashore. His interest in vessel conversion and dynamic positioning was kindled at this time. Via a number of maritime construction, offshore and marine related companies, he joined Allseas in 1989 where all his experience, knowledge and contacts were so valuable. Hugo had a keen attention to detail with equipment, procedures and people. He not only liked to 'get the job done' but also liked to do it well.

At IMCA, we owe him a huge debt of gratitude for chairing the Marine Division Management Committee since IMCA was formed in 1995, while before that he was part of the DPVOA set-up. He was also very active on the Overall Management Committee, which he attended almost without exception and chaired many times in the absence of the normal chairman. Through these committees he helped design and deliver many of the successes that IMCA has enjoyed. Hugo was just as generous with his time to provide advice to other members and to the IMCA secretariat about the myriad complex issues in our industry today.

The development of the format and content for the annual seminar – always predominantly on marine issues – was something of which he was rightly proud, especially as it became IMCA's flagship and has continued to offer a special mixture of technical insight, networking and entertainment for old and new friends attending each year.

Without exception, Hugo was held in great affection and was well respected by so many in IMCA's community. He will be sorely missed.



## Marine Division Management Committee

*Acting Chairman:* Pete Somner, Subsea 7

Arnfinn Vika, Acergy  
 Michiel Goedkoop, Heerema Marine Contractors  
 David Blencowe, Maersk Supply Service  
 Ian Young, Prosafe Offshore  
 Steve Marshall, Sealion Shipping  
 Steve Woodward, Technip  
 Kjell Egil Helgøy, Teekay Norway  
 Pete Fougere, Transocean

*Americas Deepwater Section:* Pete Fougere, Transocean

*Asia-Pacific Section:* Andy Bolton, Technip Oceania

*Middle East & India Section:* Lachlan McKelvie, Seabulk Offshore

## DP OSVs

Reliable and robust methods of positioning are required for safe supply vessel operations at offshore installations.

In the early days of the industry, skillful manual control or anchors and ropes were used to moor vessels. The controls became more sophisticated and power increased to provide more flexibility. Increasingly, offshore supply vessels (OSVs) are now being fitted with dynamic positioning (DP) systems, further widening the available options. This process of evolution has been gradual, taking more than 30 years and, today, various combinations of control and power systems are available and used all over the world.

In other sectors of the offshore industry, DP has long since been accepted as a primary method of vessel positioning, such as in diving and drilling work as well as in the construction, accommodation and shuttle tanker sectors. It is especially suitable for offshore developments in deeper waters. This widespread acceptance of DP is also the result of improved DP management and improved DP technology.

Now, a cross-industry workgroup, facilitated by IMCA, has published International Guidelines for the Safe Operation of Dynamically Positioned Offshore Supply Vessels.

These guidelines review international and regional regulatory requirements, classification society and other industry requirements and set out good practice on operational procedures, as developed by a list of over seventy interested parties, including vessel operators and related organisations based and operating around the world.

*The guidelines are available through IMCA (reference M 182) both in printed form and as a free download from [www.imca-int.com/marine](http://www.imca-int.com/marine)*

## Marine Information Notes

*published since Issue 38*

- M 02/06 Measure to counter piracy, armed robbery and other acts of violence against merchant shipping
- M 03/06 UK sector offshore helideck operations
- M 04/06 Recent enforcement/testing of compliance with ship security plans under the ISPS Code
- M 05/06 Training for offshore personnel in the carriage of dangerous goods
- M 06/06 Guidelines for safe management of offshore supply and anchor handling operations (NW European area)
- M 07/06 ILO: Comprehensive new maritime labour convention
- M 08/06 Bridge design: Naut-OSV guidelines

## Annual seminar

Plans are already at an advanced stage for this year's IMCA Annual Seminar, which returns to Europe after recent events in Abu Dhabi, Singapore and Houston, on 19-20 September at the Marriott Hotel, Copenhagen.

The programme is nearly set and will, as ever, cover a range of marine construction, DP and diving topics, with an additional focus for day one on high-level commercial issues. Many supplier members will participate in the regular exhibition of the latest equipment and services.

*Please note the date in your diary. Full details will be sent to all members and previous participants shortly.*

## DP incidents

IMCA's analysis of dynamic positioning (DP) system station keeping incidents for 2004 has now been published. Covering some 34 incidents, the report identifies latest trends and adds to the wealth of information collected over more than 25 years that helps prevent repeat occurrences and identify areas for future technical work. Vessel operators are encouraged to submit their reports to further enhance the analysis for 2005, preparation of which is about to begin. Please ensure you are using the January 2006 version of the incident reporting form, which features our current postal address and incorporates amendments agreed last year.

## New committee

At the recent biennial election every member of the Offshore Survey Division Management Committee was re-elected, but Will Primavesi (Saipem) became the new Chairman and Walter Steedman (Subsea 7) the Vice-Chairman – a reversal of their earlier roles.

## Obituary: Bob Downing

Following a massive heart attack on 20 March, while preparing to depart to exhibit at Oceanology 2006, Bob died unexpectedly. He was in his mid-fifties.

As Managing Director of Maritech, Bob contributed to our industry in many ways. He provided freelance staff, such as surveyors and geophysicists, to the offshore industry for many years and was well known by IMCA members and throughout the wider offshore community. He encouraged fresh faces into the industry, something we keenly need at the moment, whilst doing his utmost to maintain standards through training and competency. As such, he was a conduit for dialogue between the outside world, freelancers, contractors and oil companies.

To help this dialogue, he sat on various committees including the Chamber of Commerce and IMCA Offshore Survey Division Management Committee, where his easy-going manner and detailed knowledge were much appreciated.

He leaves thousands in his 'offshore family' who will miss him greatly.

## DGPS installation and mobilisation

Poorly installed DGPS (differential Global Positioning System) equipment can prove very costly. With this and the past experience of several members in mind, IMCA's Offshore Survey Division has embarked upon the development of guidance covering the installation and mobilisation of DGPS. Provision of in-house guidance from one member has enabled a good start to be made. The Offshore Survey committee will be taking this forward in its current work programme.

## OGP meeting

IMCA was invited to join the OGP (International Association of Oil & Gas Producers) Surveying and Positioning Committee meeting on 24 March and to talk about the work of IMCA's Offshore Survey Division.

OGP is the industry body for exploration and production (E&P) companies. Its membership includes most of the majors and a wide spread of other international operators. Like IMCA, OGP issues guidelines and part of the meeting was to explore overlaps. In fact, there were not too many as OGP's guidelines cover slightly different areas, such as maintenance of positioning data and exchange formats. IMCA is always keen to engage in dialogue with corresponding members and oil companies that are yet to join, to explain where IMCA fits in and how it can contribute. IMCA's presentation, which included the recently issued digital video guidelines and the current work programme, was welcomed. It was agreed that where appropriate the two associations should continue to work together and avoid duplication.

### Offshore Survey Division Management Committee

*Chairman:* Will Primavesi, Saipem  
*Vice-Chairman:* Walter Steedman, Subsea 7

Ray Morgan, Acergy  
Stuart Reid, Andrews Survey  
Keith McGregor, DeepOcean  
Ian McKenzie, Fugro Survey  
Brian Beard, Noordhoek Offshore

*Americas Deepwater Section:*

Stephen Browne, Subsea 7

*Asia-Pacific Section:* Dave Scott, Fugro Survey

*Middle East & India Section:*

Darren Male, Fugro Survey (Middle East)

## Offshore Survey Information Notes published since Issue 38

S 02/06 Offshore Survey Division Management Committee

## Reflecting current best practice

In an industry where technological advances are routine, it is imperative that IMCA guidance reflects the latest developments in best practice. A major part of the Diving Division's technical work programme is therefore dedicated to ensuring that IMCA documents remain current. Here are a few forthcoming updates:

- *The Diving Supervisor's Manual (IMCA D 022)*, is a document widely used by trainees and supervisors around the world. After three meetings, a workgroup is finalising an update
- *Code of practice for the safe use of electricity underwater, AODC 035*. After twenty years and several reviews, an updated IMCA code is being developed
- *Code of practice for the use of high pressure water jetting equipment by divers, AODC 049*
- *Diving operations from vessels operating in DP mode, IMCA D 010 Rev. 2*
- *Underwater air lift bags, IMCA D 016 Rev. 2*
- *Guidance on the use of chain lever hoists in the off-shore subsea environment, IMCA D 028*.

### Diving Division Management Committee

*Chairman:* Alan Forsyth, Subsea 7  
*Vice-Chairman:* Derek Beddows, Technip

Joar Gangenes, Acergy  
Hans Berkhof, Bluestream  
John Rossier, Covus  
Dan Schultz, Helix ESG  
Jerry Starling, Integrated Subsea Services  
Darren Brunton, KB Associates  
Cees Noordhoek, Noordhoek Offshore  
Calum Buchanan, RBG Core Technical  
Sal Ruffino, Saipem  
Steve Nairn, Well Ops

*Americas Deepwater Section:*  
Allan Palmer, Helix ESG

*Asia-Pacific Section:*  
RP Singh, Acergy Asia Middle East

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

## New DESIGN CD

A new CD brings together all four editions of DESIGN (IMCA's *Diving Equipment Systems Inspection Guidance Notes*) covering surface oriented (air) (*IMCA D 023*), saturation (bell) (*IMCA D 024*), surface supplied mixed gas (*IMCA D 037*) and mobile or portable surface supplied diving systems (*IMCA D 040*).

The same CD also includes the *Code of Practice for the Initial and Periodic Examination, Testing and Certification of Diving Plant or Equipment (IMCA D 018)*.

The technical content of *IMCA D 023* and *D 024* remains as was published in 2000/1, but for all material (available in PDF and where relevant in Word or Excel) the formats have been updated and all forms may be completed electronically and integrated fully with in-house systems.

## Diving Information Notes

*published since Issue 38*

D 03/06 Training of diving doctors

## Hyperbaric evacuation

IMCA has updated its protocol for testing the environmental control functions of hyperbaric evacuation systems (HESs), via information note *IMCA D 02/06*. The updated version of this material reflects experience of members carrying out testing and features revised guidance on the CO<sub>2</sub> injection rate to be used for tests.

## Diver training

IMCA continues to consider issues related to diver training, working with relevant stakeholders such as the International Diving Regulators Forum. An IMCA workgroup is looking at three distinct areas, in order to ensure that all divers are adequately trained for the roles they undertake and that skilled divers are not overlooked simply because they lack a government-approved training certificate:

- Current IMCA-recognised qualifications (government-approved certificates or US ACDE members)
- Dialogue with governments who oversee diver training but not engaged in bilateral recognition
- Dialogue with schools in areas with no government approval system.



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IMCA Diver Medic Refresher  
IMCA Trainee Air & Bell  
Diving Supervisor  
IMCA Assistant Life Support Technician  
IMCA Exam Refresher  
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*Please tell us a little about your company and what it does*

Rovtech is an independent ROV company based in Aberdeen with an office in Singapore. We own 33 ROVs – of which 16 are workclass and 17 eyeball – and employ 120 permanent staff. Currently we are working in China, Indonesia, Azerbaijan, Cabinda and Tunisia as well as the North Sea. Rovtech specialises in IRM and has run a DP2 ROV support vessel in this market (and in drill support) in the North Sea for eight years.

*What is your current job?*

I am the Managing Director of the company and have been since I bought it ten years ago with the help of two venture capitalist companies. So I am lawyer, accountant, marketing man, HR specialist and engineer – unfortunately spending too much time on the first two activities!

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

When I left university with an engineering degree in 1969, I was determined to have a job connected with the sea (on which I had been weaned!) so despite tempting offers from Rolls Royce and Ford, I joined a small supply vessel company in Great Yarmouth. My first few months were spent as a deckhand on an anchor handler – which in the days of 2400 bhp supply boats was a very interesting and dangerous experience! After that I got into the commercial side in the office. Following that I spent some years with a company called Star Offshore Services which developed from a supply vessel company into an enterprise with diving subsidiaries, diving support ships and manned subs. In 1979 I became an entrepreneur founding a company called HMB Subwork with 3 colleagues. This initially specialised in one man ADSs but when this development failed commercially to compete with the emerging ROV, we changed tack to become an ROV owner and operator ourselves. In 1995 after 16 happy years, HMB Subwork (or rather its parent North Sea Assets) was purchased by SubSea Offshore and I decided I had just



Andrew Beveridge is Managing Director of Rovtech. He also serves as Vice-Chairman of the IMCA Remote Systems & ROV Division Management Committee and as a member of the Overall Management Committee.

In this article, he talks about his 'day job' and provides a personal insight into the work the section is currently undertaking on behalf of members.

enough energy to start Rovtech.

*What do you see as the key areas affecting the industry right now?*

Undoubtedly the biggest problem facing all contractors is the chronic shortage of trained personnel. This is the result of the famine that underwater/offshore service companies experienced in the period 2000 to 2004 – before the oil companies finally realised that the high oil price was here to stay.

*How can these issues be taken forward?*

Unlike some, I do not believe that this shortage is inherent since the wages and opportunities that this industry offers are very attractive, even to those with good basic technical qualifications but without degrees. The process that turns these people from trainees into experienced offshore personnel is what we all need to invest in and concentrate on – simulators and onshore courses have their role but there can be no real substitute for actual experience offshore which takes time and support from our ultimate clients, the oil companies.

*How do you think IMCA makes a difference?*

I was not a great supporter of AODC before its merger with the DPVOA to become IMCA because I believed it represented the interests of the diving majors and not those of the smaller underwater contractors. However IMCA today has a totally different philosophy and really does try to represent the interests of large and small alike. I think that IMCA has

made a huge difference particularly to safety and to bringing overall industry standards of equipment and training up to the best. The growth of its membership in the last five years despite huge consolidation amongst the larger players in the business is a testament to the success of this philosophy.

*How do you see the future?*

I am excited by developments with smart hydraulic valve packs and DP control of ROVs which may well help the industry shorten the training process by making hydraulic ROVs easier to fly and maintain – relevant at a time of skill shortage. I am also excited by the resurgence in electric thruster ROVs which offer significant weight and performance advantages over hydraulic ones. IMCA has helped promulgate these developments by spreading its regional committees to reach into those parts of the world where ROVs are only now replacing divers.

## New Members

IMCA welcomes:

- Advanced Offshore Contractors Pvt Ltd
- Brunei Shell Petroleum Company Sdn Bhd
- Clough Oil & Gas
- Divers Academy International
- Franklin Offshore International Pte Ltd
- Global Gas Supplies Pte Ltd
- Hyperbaric Technology BV (Hytech)
- Marine Cybernetics
- Marine Logistics Solutions (MarSol) LLC
- Oceanteam 2000 Ltd
- Offshore Commissioning Solutions
- Offshore Construction Services Pte Ltd
- Professional Diving Academy
- Seasafe Company
- Siem Rovde AS

## Name and status changes

- *J Ray McDermott* has upgraded to ICO membership
- Cal Dive International is now *Helix Energy Solutions Group*
- Within *Helix ESG*, Cal Dive International Ltd is now *Well Ops (UK) Ltd*
- Alstom Power Conversion is now *Converteam*
- Rovde Shipping AS is now *Siem Rovde AS*
- Khozzaanun Marine Engineering Sdn Bhd is now *PFCE Ocean Engineering Sdn Bhd*



## IMCA news

Published quarterly to promote knowledge of safety and technical matters affecting the marine, underwater and engineering industry.

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

Views expressed on these pages don't automatically reflect policies or positions of IMCA itself.

Edited & produced by H.Pearce <zintl@gn.apc.org>

## International Contractors

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


## Contractors

Acergy Asia Middle East  
 Algosaiabi Diving & Marine Services  
 Allied Marine & Equipment  
 AIMansoori Production Services  
 Andrews Survey  
 Aqua Diving Services  
 Arabian Gulf Mechanical Services & Contracting Company  
 Atlantic Towing Ltd  
 Bakri Navigation Company  
 Bibby Offshore  
 BJ Services Co (UK)  
 Bluestream NL  
 Bluewater Energy Services  
 Boskalis Offshore  
 British Antarctic Survey  
 BUE Marine  
 C&C Technologies  
 Canyon Offshore  
 Cape Diving  
 Clough Oil & Gas  
 CODERO  
 Combined Diving Inspection Svcs  
 Consolidated Contractors Co.  
 Covus Corporation  
 CTC Marine Projects  
 CUEL  
 Dalgidj  
 Deep Ocean  
 Diamond Offshore Drilling  
 DNT Offshore

DOF Management  
 Dolphin Drilling  
 Dolphin Offshore Ent. (India)  
 Dulam International  
 EDT Offshore  
 EGS (Asia)  
 Fairmount Marine  
 Fraser Diving International  
 Fraser Diving Intl – ME  
 FSDS  
 Fugro Geonics Pvt Ltd (India)  
 Fugro Marine Services  
 Fugro Survey (Middle East)  
 Fugro Survey (Singapore)  
 Fugro Survey (UK)  
 GB Diving  
 Global Industries  
 Global Industries Asia Pacific  
 Global Marine Systems  
 Gulf Dredging & Gen. Contracting  
 Gulf Marine Services  
 Gulf Offshore North Sea  
 Gulmar Offshore Middle East  
 Hallin Marine  
 Halul Offshore Services Co.  
 HEISCO  
 Horizon Survey Co.  
 Hull Support Services  
 Integrated Subsea Services  
 Intl Marine Works – Alexandria  
 Intl Naval Works – Abu Dhabi  
 IRSHAD  
 Lamnalco  
 PT Lancar Rejeki Berkas Jaya  
 LD Travocean  
 Louisiana Overseas  
 Maersk Supply Service  
 Maridive Offshore Projects  
 Maridive & Oil Services  
 Marine Logistics Solutions (MarSol)  
 Master Tech Diving Services  
 Med Marine  
 MENAS  
 Mermaid Offshore Services  
 Mohn Drilling  
 MSS  
 Mutawa Marine Works  
 Nexans Norway, Energy Division  
 Noordhoek Offshore  
 Northern Marine Management  
 Oceaneering International, Inc.  
 Oceaneering International  
 Oceaneering Intl Asia-Pacific  
 Oceanteam 2000  
 Oceanteam Power & Umbilical  
 Ocean Works Asia  
 Offshore Technology Solutions  
 Offshore Works  
 OSM Ship Management  
 Pacific Richfield Marine  
 PT Patra Dinamika  
 Petroleum Marine Services  
 PFCE Ocean Engineering  
 Pride International  
 Prosafe Offshore  
 RBG Core Technical  
 Rolv Berg Drive

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  - ◆ Risk Assessments
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  - ◆ HSE First Aid at Work & Appointed Person
  - ◆ HSE Offshore Medic
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Sapura Diving Services  
Sarku Engineering Services  
SAROST  
SBM Production Contractors  
Seabulk Offshore  
Seacor Marine (International)  
Seacor Marine (Asia)  
Sealion Shipping  
SEAMEC  
Seaway Heavy Lifting Engineering  
Secunda Marine Services  
Siem Rovde  
Smedvig Offshore  
SMIT  
SMIT Terminals  
SMIT Terminals Middle East  
Subsea 7 Asia-Pacific  
Subsea Petroleum Services  
Subtec Middle East  
Superintendent of Diving  
SvitzerWijsmuller  
Swire Pacific Offshore Services  
Technip Oceania  
Technip Offshore Contractors Inc.  
Teekay Norway  
Tideway Marine & Offshore  
Timsah Shipbuilding Co.  
TL Geohydrographics  
Total Marine Technology  
Transocean  
TS Marine (Contracting)  
Underwater Services Company  
URS  
Van Oord  
Vroon Offshore Services  
Well Ops  
PT Wintermar  
Workshops Contractors  
Zakher Marine Intl

## Suppliers

Advanced Marine  
Air Products Singapore  
Analox Sensor Technology  
Anglo-Eastern Group  
Anglo-Eastern Group (Asia-Pacific)  
Ashtead Technology (SEA) Pte Ltd  
Auto Dynamic Positioning Services  
Bachrach & Wood  
Brunvoll  
C-MAR Services (UK)  
Converteam  
CUEL  
Cynergetix  
Divex  
Electrical Power Engineering  
Falconer Bryan  
Franklin Offshore Intl  
Frontier Offshore  
Global Gas Supplies

Global Maritime  
Houlder Insurance Services  
Hydra Marine  
Hytech  
JP Kenny Caledonia  
KB Associates  
Kenz Cranes  
Kirby Morgan Dive Systems  
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Marine Cybernetics  
Measurement Devices Ltd  
MSS International  
Nautronix plc  
Nautronix Inc  
Navigare International  
Noble Denton Consultants  
Noble Denton Middle East  
Noble Denton Singapore  
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Offshore Constructions Svcs  
Offshore Logistics  
PAE Singapore  
Perry Slingsby Systems  
Poseidon Maritime (UK)  
Promarine  
QinetiQ  
Rolls-Royce Oy  
Rolv Berg Drive  
ROV Supply  
Schilling Robotics  
Seaeeye Marine  
Sealion Shipping  
Sea & Land Technologies  
Seasafe Co.  
Seatools  
Sebastian  
Sonardyne  
Subsea Solutions (AkerKværner)  
Subsea Vision  
SureSpek ISS  
Unidive Offshore  
Unique System  
Velosi Certification Bureau  
Wavespec

## Training Establishments & Personnel Agencies

Aberdeen Skills & Ent. Training  
Advanced Offshore Contractors  
Ålesund University College  
Amberjack Oil & Gas Recruitment  
Aqua Omega Services  
PT Barron International  
Bergen University College –  
Diver Education  
Centre for Marine Simulation  
Dave Oliver Hydrographic Services  
Delphinus Svcs – ROV Training  
De Moura Shipping  
Divers Academy Intl  
Divers Institute of Technology  
Diving Diseases Research Centre

DOOR International  
DP Centre Singapore  
Ecole Nat de la Marine Marchande  
Energy & Mining Training Solutions  
EUTEC Subsea ex+med UK  
Force Technology  
Gurkha Intl Manpower Services  
Holland College – Georgetown Ctr  
Holland College – Marine Trn Ctr  
Hydrosud  
INPP  
Institute of ROV  
Interdive Services  
Lowestoft College  
Maritech Group  
Maritime Inst Willem Barentsz  
Maritime Training &  
Competence Solutions  
MOG Industry Training  
National Hyperbaric Centre  
National Oceanography Centre,  
Southampton  
National Polytechnic College of  
Engineering and Oceaneering  
Netherlands Diving Centre  
NUTEC Rotterdam  
Ocean Corporation  
Oceanscan  
Offshore Marine Services  
Petrolis  
Petrovietnam Manpower Training  
College  
Power & Generation Services  
Professional Diving Academy  
Professional Diving Centre  
PR Offshore Services  
Satakunta Polytechnic  
SEATAG Offshore  
Ship Manoeuvring Simulator  
Centre  
Sribima Maritime Training Centre  
Stord/Haugesund Univ. College  
SubNet Services  
Technocean  
UK Project Support  
Underwater Centre Fort William  
Underwater Centre Fremantle  
Underwater Centre Tasmania  
WA Maritime Training Centre –  
Fremantle

## Corresponding Members

ADMA-OPCO  
Agip KCO  
AIS  
Azerbaijan International Op. Co.  
Bahrain Petroleum Co.  
BG Group  
BHP Billiton  
BP Exploration Operating Co  
BP America Production Co  
BP West Java  
Brunei Shell Petroleum Co.  
Cairn Energy India

Conoco Phillips China  
Conoco Phillips Indonesia  
Conoco Phillips UK  
Det Norske Veritas  
Esso Australia  
GDF Production Nederland  
Health & Safety Executive  
Kuwait Oil Company  
Maersk Oil Qatar  
Mobil North Sea  
Nederlandse Aardolie  
Maatschappij  
Oil & Natural Gas Corporation  
Petro Canada Terra Nova Project  
Petrobras  
Premier Oil Natuna Sea  
PTT Exploration & Production  
Shell Intl E&P  
Shell Petr. Dev. Co. of Nigeria  
Sarawak Shell  
Shell Todd Oil Services Ltd  
Star Energy (Kakap)  
Talisman Energy (UK)  
Total Austral (Argentina)  
Total E&P  
Total E&P Nederland  
Total E&P UK  
Wintershall Noordzee  
Woodside Energy  
Zakum Development Co

Membership status can be  
checked on line at any time

**The international trade association  
for offshore, marine and underwater  
engineering companies**



## Interests

IMCA represents the collective interests of the members in offshore and related activities, including, for example:

- Marine operations
- Diving
- Remote controlled systems including ROVs
- Offshore survey/positioning systems.

## Interfaces

IMCA promotes close co-operation by interfacing with:

- Oil & gas and other offshore operators
- Governments and other regulatory bodies
- Other trade associations.

## Objectives

The main objectives will be to promote members' common interests, including to:

- Strive for the highest possible standards with a balance of risk and cost in; health and safety; technology, quality and efficiency; environmental awareness and protection
- Achieve and sustain self-regulation in the industry
- Ease the free movement of equipment and personnel globally
- Achieve equitable contracting regimes
- Provide the framework for training, certification, competence and recruitment to support and sustain the industry globally
- Resolve industry issues
- Promote co-operation across the industry

## Means to Deliver Objectives

IMCA has a number of committees and work areas. Each of these also has its own objectives, set at the beginning of each year and listed on the website. To deliver the Association's and the committees' objectives, IMCA will:

- Ensure endorsement of and continually improve IMCA guidelines
- Ensure endorsement of and continually develop IMCA competence schemes
- Publish global codes of practice, guidance notes, industry briefings, discussion papers and other media
- Promote the use of common and practical industry good practice
- Promote standard contracts to foster the ideals set by the industry and improve relations, increase efficiency and reduce overall cost
- Monitor legislation affecting the industry
- Provide a forum for discussion
- Hold meetings, workshops and seminars at various levels and in various locations
- Ensure the needs of members are adequately and properly addressed
- Encourage research and development of new technology
- Provide a single voice to speak on behalf of members where there is a common interest.