



Annual Report 2017





Pieter van Oord, Chairman



Sander Vergroesen, Managing Director

Board and Committees

Honorary member

Gert-Jan Kramer

Board

Pieter van Oord (Chairman), Van Oord
Michaël Kahn (Vice-Chairman), Jumbo Offshore
Arjan Klijnsoorn (Secretary), Royal IHC
Jeff Sluijter (Treasurer), EY
Paul Koop, Quercus Technical Services
Peter de Bruijne, Paragon Offshore
Jan Willem van der Graaf, Seaway Heavy Lifting
Edward Heerema, Allseas Engineering
Mark Heine, Fugro
René Peters, TNO

Committees

Export and Public Relations Committee

Chairman: Arjan Klijnsoorn (Royal IHC)
Coordinators: Tjerk Suurenbroek (IRO), Marloes Kraaijeveld (IRO)

Gas Committee

Chairman: René Peters (TNO)
Coordinator: Tjerk Suurenbroek (IRO)

Human Resources and Safety Committee

Chairman: Paul Koop (Quercus Technical Services)
Coordinator: Chris Wijsman (IRO)

Innovation and Regulatory Affairs Committee

Chairman: Rob Luijnenburg (Fugro)
Coordinator: Tjerk Suurenbroek (IRO)

Offshore Renewable Installations Committee

Chairman: Jan Willem van der Graaf (Seaway Heavy Lifting)
Coordinator: Tjerk Suurenbroek (IRO)

Well Services and Drilling Committee

Chairman: Peter de Bruijne (Paragon Offshore)
Coordinator: Tjerk Suurenbroek (IRO)



Preface

IRO proudly presents you the 2017 annual report!

Throughout the year the association has been busy promoting the interests of its members, the Dutch Suppliers in the Oil and Gas Industry and Offshore Renewable Industry. Numerous network and trade opportunities have been created by means of members meetings, committee meetings, exhibitions and trade missions. Not only did we intensify our efforts and activities related to offshore renewables. We also welcomed 'Young IRO' as an integral part of the association which will add an interesting new perspective in the future.

In this annual report we have tried to give you a clear overview of all activities of IRO in the field of Trade & Export promotion, Network events, Human Capital & Education, Innovation & Technology, Public Relations & Media Exposure and Trending topics such as Offshore Renewables, Decommissioning and Corporate Responsibility & Sustainability.

2017 was a dynamic year for IRO and its member companies. The crisis in the offshore sector left deep marks on Dutch companies. Over the last year and a half, thousands of jobs have already disappeared in the sector, with reorganisations and layoffs at reputable companies. However, higher oil and gas prices, a sharper focus on costs and collaboration within the industry have attributed to positive results and predictions for the future as well. Financial institutions predict an improvement in the OFS market from 2018 onwards. Initially companies early in the development cycle (seismic, drilling) are expected to benefit, where improvements in companies later in the cycle are expected with a few years delay.

In general the confidence among our members is growing and based on several developments in different parts of the globe. The decommissioning market will become interesting in the coming decade as there are hundreds of platforms on the North Sea that will have to be removed. The offshore wind market will also play an increasingly important role. Offshore wind has become a mainstream energy source around the North Sea and Dutch suppliers developed expertise, equipment and knowhow that is ready for offshore wind projects all over the world.

The coming years will be challenging years for our industry, but there will be plenty of opportunities both in the field of conventional energy and sustainable energy.

The Dutch suppliers have the right knowledge, experience and equipment to maintain their position internationally among the top suppliers. We therefore strongly believe that our member companies will continue to cope with these challenges and make 2018 a successful year.

The IRO team will do its utmost to support its members wherever possible!



The Oil, Gas and Offshore Renewable supply industry in the Netherlands belongs to the Top 5 of the world. Acting as the gateway to Dutch suppliers in the energy industry, the IRO mission is ultimately aimed at maintaining and strengthening the position of the Dutch Oil, Gas and Offshore Renewable industry by creating a level playing field for its members.

IRO's 425 members consist of a wide variety of both multinationals and SMEs. They represent the entire supply chain within the Oil, Gas and Offshore Renewable industry, with activities covering: Engineering & Consultancy, Construction & Fabrication, Plant & Equipment Supply, Contracting & Installation, Exploration & Production and Personnel & HSE, both for onshore & offshore upstream oil & gas and offshore renewables (wind and marine energy).

Trade & Export Promotion

Export promotion is one of the key areas of interest of IRO. Working closely together with different stakeholders becomes even more vital, especially with the expansion into offshore renewables in mind. In 2017 again a large number of activities were organised, many of them in close cooperation with organisations such as NMT, FME, NWEA, HHWE, NABC, IADC and Dutch embassies. Participation in oil and gas exhibitions, outgoing and incoming trade missions and other export promotional activities can be found in below overview divided by country.

Africa

IRO and the Netherlands-African Business Council (NABC) have agreed to intensify their cooperation. Both organisations have in-depth knowledge in a unique field.

Whereas Nigeria and Angola have been among the established oil producers for a long time, a further shift towards Africa is seen in more recent discoveries. Significant gas fields have recently been discovered in Senegal, Mozambique and Tanzania and upcoming oil and gas industries can be witnessed in Kenya and Uganda. Africa cannot be left out of the focus of the oil and gas sector in the future.

Mozambique

NABC hosted a business forum on Mozambique in May, which was attended by the Mozambican president Filipe Nyusi and quite a number of IRO members.

On 15 June 2017 IRO in cooperation with the Ministry of Foreign Affairs and NABC organised a seminar on doing business in the offshore oil and gas industry in Mozambique and Tanzania. The event attracted 70 participants and was followed up with a business dialogue on other East African countries.

Senegal

IRO played an advisory role in an outgoing trade mission to Senegal last May and in an incoming trade mission from Senegal set for October. This visit comprised of some of the most important stakeholders from the Senegalese oil and gas sector, including the presidential advisor. This kind of cooperation will be seen more often under the new collaboration.

Also we were able to attract an incoming delegation to the Offshore Energy Exhibition & Conference on 25 and 26 October in the RAI in Amsterdam.

Mexico

Mexico's Energy Reform of 2013 set in motion a series of changes that continue to revolutionise the country's oil and gas industry. With vast untapped hydrocarbon reserves, increasing demand from a growing population and economy and a new regulatory framework, Mexico is quickly becoming one of the most exciting markets for oil and gas companies along the entire supply chain. While previous years were marked by expectation, concrete results

defined 2016 and early 2017. The completion of the country's first deepwater licensing round was the highlight of Round One, which attracted expected investments totalling US\$49 billion. The first part of Round Two, in which a record number of companies had placed bids, was characterised by several JVs between NOCs and IOCs, including that of Royal Dutch Shell and Total. With this success behind it, the industry now awaits the remainder of the licensing rounds with optimism.

IRO organised the participation of 10 companies in the Dutch Energy Association Holland Pavilion at the **Mexican Petroleum Congress** from 7-10 June 2017 in Puebla, Mexico. The 10 IRO members participated with panels displayed in the IRO stand. Participation was made possible through support by the Top sector Water & Maritime. IRO actively participates in the **Mexico steering group** of the Ministry of Foreign Affairs established to give content to the Memorandum of Understanding between the Netherlands and Mexico in the field of Energy. The Mexico steering group initiates and coordinates energy related activities on Mexico. Such as the visit of a solid Mexican delegation to the Offshore Energy Exhibition & Conference in October in the RAI in Amsterdam.

Iran

The lifting of the sanctions in Iran opens enormous opportunities for Dutch suppliers in the oil and gas industry. As a result many trade promotion activities were organised in 2017 by various parties. However, business with Iran is still almost impossible because the banks are reluctant to do business with Iran due to the still existing US sanctions on Iran. This is also the most important issue of the Ministry of Foreign Affairs steering group on Iran which initiates and coordinates activities on Iran. IRO actively participates in the Iran steering group.

Dutch Energy Solutions Working Group Iran

Dutch Energy Solutions (DES) is an FME and IRO initiative to assist companies in doing business in the oil and gas industry in the Gulf States. With the lifting of the sanctions, Iran has been included in the activities of DES. To assist Dutch suppliers to the oil and gas industry in doing business in Iran, the Working Group Iran (DES WG Iran) within Dutch Energy Solutions provides an exclusive platform for sharing knowledge, combining Dutch forces and facilitating collective approaches in order to be more successful in identifying, winning and executing oil and gas projects in Iran.

DES WG Iran is financially supported by the Netherlands Enterprise Agency (RVO) under the Partners in International Business (PIB) program. In 2017 DES organised a Holland Pavilion at the Iran Oil Show (May). Furthermore a trade mission was organised end of November.

Overview Dutch Energy Solutions activities 2017

- Trade mission Gas technology Abu Dhabi, 14-15 March 2017
- Holland Pavilion Iran Oil Show Teheran, 6-9 May 2017
- Trade Mission Kuwait, 2-5 December 2017



As part of ongoing efforts to establish and maintain solid relationships with relevant countries IRO managed to welcome incoming delegations from Qatar, UAE and Iran to the Dutch Offshore Energy Exhibition & Conference in October 2017.

Saudi Arabia

“Saudi Arabia’s state oil giant Saudi Aramco plans to invest more than US\$300 billion in the next 10 years in oil and gas as it looks to counter the effects of investment decline and a potential energy shortage”, its chief executive said. Aramco plans an initial public offering of 5% of its total corporate value in 2018. The IPO will secure more cash flow for the company to develop the energy sector in Saudi Arabia.

Saudi Arabian government is now more focusing on local content. Localisation of critical industries, especially in oil, gas and maritime is a priority of Aramco and Saudi government. A new unit at Aramco was established in 2015 as New Business Development Unit. Their main task is to locate and attract companies to localise their industries in the Kingdom, offering them privileges and granting

those future contracts. IRO together with AOC and the Dutch Embassy have used 2017 intensively to establish and maintain a good relationship with Saudi Arabia. In April a fact finding seminar took place in Rotterdam, which was followed by a trade mission to Saudi Arabia and Bahrain in November. As a result of that some 18 Dutch companies also visited the IKTV workshop in December.

United Kingdom

Together with the Netherlands British Chamber of Commerce an offshore wind trade mission was organised around the Offshore Wind Energy Conference in London in June. UK is still one of the countries with large installed capacity of offshore wind and solid development plans.

Tenders, Projects & Business newsletter

Due to lack of interest IRO decided to cancel the distribution of the Tenders, Projects & Business newsletter among its members. Instead, individual tenders received by IRO will be published at the My IRO part of the website.

Overview international exhibitions 2017

In 2017 IRO members were overall interested in participating in several international exhibitions worldwide. In 2017 IRO organised Holland pavilions at the following exhibitions:

Offshore Technology Conference (OTC), Houston, USA

OTC is traditionally considered as the prime annual event where the entire global offshore industry is meeting up. It is the place to be when it comes to meet professionals and exchange ideas and opinions to advance scientific and technical knowledge for offshore resources and environmental matters. Some 65,000 attendees from all over the world visited the 2,500 exhibitors.

Around 50 exhibitors at the nearly 1,000 m² Holland pavilion represented a wide range of offshore products and services, varying from shipbuilding to offshore engineering.

With the Holland Network Reception in the Museum of Fine Arts Houston accommodating more than 350 guests and support from TSW/Kernteam Export & Promotie via NML Trade Council, OTC 2017 can be considered as a great success.

OGA, Kuala Lumpur, Malaysia

The bi-annual exhibition, OGA, is held in Kuala Lumpur. The developments in Malaysia's active offshore fields are in full swing. OGA is the region's number one Oil, Gas and Petrochemical Engineering exhibition, with a focus on exploration, production and transportation within this industry. The 7 exhibitors in the 78 m² Holland pavilion showed a full package of Dutch engineering and manufacturing to the 23,000 attendees.

In close co-operation with MDBC IRO hosted a successful breakfast meeting. Also a networking reception at the Residence of Ambassador Karin Mössenlechner was held.

Offshore Europe, Aberdeen, United Kingdom

SPE Offshore Europe is an important exhibition for the global upstream industry and acts as a single platform to showcase solutions across the E&P supply chain. The 42nd edition attracted 35,000 visitors to more than 900 attending exhibitors spread over six exhibition halls. Furthermore there were over 100 technical presentations and keynote sessions, which were free to attend. IRO organised, as one of the 20 international pavilions, the 150 m² Dutch pavilion consisting of 12 exhibiting member companies. IRO also hosted, in cooperation with EIC and SDI, a well-attended network reception.

ADIPEC, Abu Dhabi, UAE

The Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC) became over the last few years with over 100,000 visitors the best attended international oil & gas exhibition. Again, during this year's ADIPEC, the valuable support of the Holland+You project and the Embassy of the Netherlands in Abu Dhabi offered ample opportunities for additional exposure and networking for the Dutch participants.

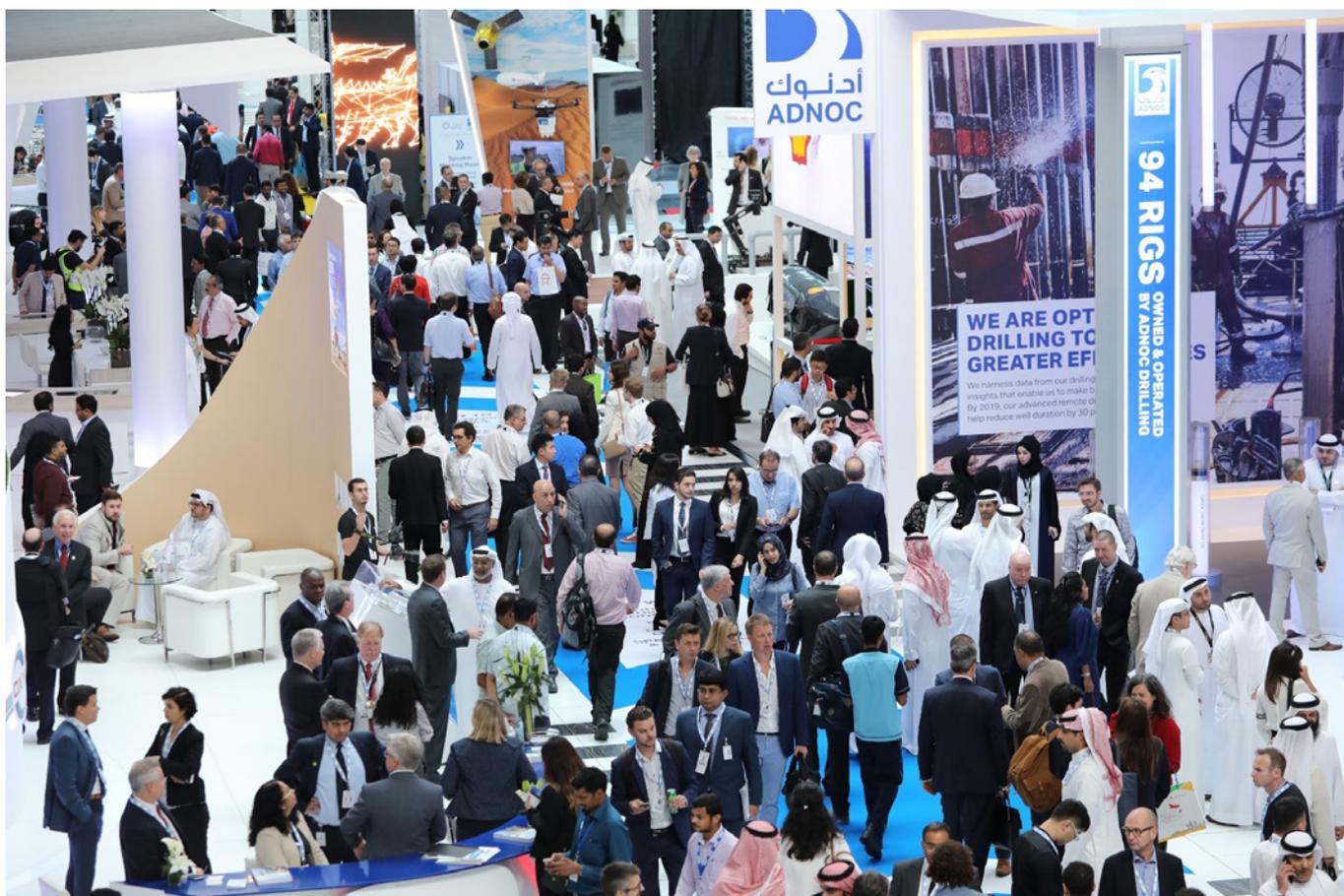
An additional dimension to ADIPEC 2017 was presented by the visit of Deputy Vice Minister of Foreign Trade, Mr. Guido Landheer. He had the honour to open the 408 m² IRO/Holland+You pavilion where the Netherlands were well represented with 25 exhibitors. At the Holland networking reception, organised by IRO and the Dutch Embassy, Mr. Guido Landheer offered the public a passionate speech about Team NL and Dutch DNA at the end of his successful visit to the UAE.

WindEurope, Amsterdam, The Netherlands

To get more involved in wind (and offshore renewables), IRO cooperated with NWEA at the WindEurope Exhibition in Amsterdam. Together with NWEA, IRO attended with 35 companies in the 550 m² Dutch Village. The exhibition was well received and evaluated as very successful by all participants. The next Dutch Village will be held in September 2018 in Hamburg at WindEnergy Hamburg, in cooperation with NWEA and NMT.

Overview Dutch Pavilions 2017

Offshore Technology Conference	Houston, USA	May 2017	920 m ²
Iran Oil Show	Tehran, Iran	May 2017	100 m ²
Mexican Petroleum Congress	Puebla, Mexico	June 2017	100 m ²
Oil & Gas Asia	Kuala Lumpur, Malaysia	July 2017	78 m ²
Offshore Europe	Aberdeen, UK	September 2017	150 m ²
ADIPEC	Abu Dhabi, UAE	November 2017	408 m ²
WindEurope	Amsterdam, The Netherlands	November 2017	550 m ²



Conferences & Exhibitions endorsed by IRO

IRO endorsed, promoted and sponsored a number of conferences and exhibitions organised by third parties in the Netherlands.

Offshore Pipeline Technology 2017

From 28 February-2 March 2017 this conference took place in Amsterdam. IRO supported the event by providing event information in IRO News and by distributing the Netherlands Suppliers Catalogue among event participants. IRO members received a 20% discount on registration fee.

IADC World Drilling 2017 Conference & Exhibition

IADC World Drilling 2017 Conference & Exhibition took place in Amsterdam on 28 and 29 June 2017. The event with the theme 'Enabling the Upturn: Collaboration, Integration & Technology' provided excellent opportunities to interact with high-level speakers, panels and visitors from the Drilling Industry. IRO supported the event by circulating event information among IRO members and distributing the Netherlands Suppliers Catalogue among event participants.

IADC Drilling HSE&T Europe Conference & Exhibition 2017

The IADC Drilling HSE&T Europe 2017 Conference & Exhibition took place on 27 and 28 September 2017 at the Mövenpick Amsterdam City Centre Hotel and examined a range of topics including management of high-consequence events, human factors, competency, barrier management, life cycle of contracts, dropped object prevention, health, and e-security. IRO supported the event by circulating event information among IRO members and distributing the Netherlands Suppliers Catalogue among event participants.

Offshore Energy Exhibition & Conference (OEEC)

Offshore Energy Exhibition & Conference (OEEC) 2017 was held at Amsterdam RAI on 10 and 11 October 2017, attracting 12,145 unique attendees representing 90 nationalities. OEEC 2017 featured 570 exhibitors on 23,000 m² of floor space.

IRO and NOGEPA shared a large booth and supported the Offshore WIND conference (OWC) which was organised on 9 and 10 October 2017. Besides, IRO is a member of the Offshore Energy Committee of Recommendation and supports the Offshore Energy Opening Gala Dinner and Awards Show, the official start of the event.

(International) cooperation with other organisations

Over the year much attention was paid to cooperation with other organisations and associations for the purpose of exchanging information and exploring common areas of interest.

In the field of export promotion, a number of activities and events were organised jointly or with the support of the Netherlands Enterprise Agency (RVO), Dutch embassies and consulates abroad, Maritime by Holland (NML) and FME-CWM. Exchange of professional information took place with the Royal Netherlands Society of Engineers (KIVI), the Central Dredging Association (CEDA), FME-CWM and various Maritime by Holland (NML) partners. Several joint activities, such as technical seminars and presentations, were organised during the year. IRO would like to thank these organisations for the pleasant cooperation.

At national level, IRO maintained its close ties with NOGEPa by a frequent exchange of views on a number of subjects of mutual interest. The joint IRO/NOGEPa project on education and employment was further extended during the year.

IRO also participated in the regular consultation meetings with the State Supervision of Mines (SodM), NOGEPa and IADC. These meetings have proved to be a very successful medium for exchanging information and reaching agreement on common viewpoints regarding topics such as legislation, HSE issues and labour conditions.

Maritime by Holland (NML)

This platform wants to improve the image and the reputation of the complete Dutch maritime cluster consisting of 12 sectors. Since offshore plays an important role in this cluster, IRO participates in board meetings and councils dealing with innovation, export, human capital and public relations. Active participation in Maritime by Holland (NML) activities in 2017 resulted in enhanced exposure for the offshore oil and gas industry in the 2017 Maritime Monitor, government funding for two IRO events and the nomination of the OTC exhibition in Houston as a strategic exhibition in 2017. Sander Vergoesen, Managing Director IRO, is chairing the Maritime by Holland (NML) Trade Council.

EURONET

At international level, the useful and amicable cooperation with our fellow European organisations was maintained through the informal EURONET network. EURONET now consists of the national associations of the United Kingdom (The EIC, ITF, Decom North Sea), Norway (Norsk Industri), Denmark (DMOG), Belgium (Agoria Energy Technology Club), France (Evolen) and the Netherlands (IRO).

Network Events

Several times a year IRO organises meetings with and for its members. The main goal of these meetings is to give members the opportunity to meet and exchange ideas and to do business successfully by using the association's vast network.

In general the host company gives a presentation about its activities, which is followed by an excursion and drinks with an opportunity for networking. For the host company this is a great opportunity to provide greater insight into its business activities. As there is a limited amount of members meetings possible per year, IRO started to give new IRO members the opportunity to give a 2-minute pitch during a members meeting. To create a larger network, IRO also organises meetings to which non-members are invited.

IRO New Year's Reception

On 10 January 2017 more than 320 IRO members and guests gathered at the very successful IRO New Year's reception held at the 'Wereldmuseum' in Rotterdam. In his annual speech IRO Chairman Pieter van Oord addressed the challenges that are faced in the current market situation. Pieter concluded his speech with a few advises for the challenging year 2017:

- Continue to focus on cost price leadership.
Only then can we show our strength as an industry.
- Work on and apply innovations in our industry, this remains an important priority.
- Continue to develop and adapt and explore new possibilities in the field of decommissioning and offshore wind.
- Collaborate within the industry to create value.

Deepwater Horizon movie event

With an interesting introduction by Koos Tamminga of FORU-Solution and conclusion by Edwin Stolk, accompanied by Wierd Koops of Spill Response Group Holland (SRGH), more than 100 guests attended the private viewing of the movie Deepwater Horizon in Lantaren Venster on 2 February 2017. All working in offshore oil & gas, the movie had a deep impact on all of us and once again stresses the importance of HSE in our industry.

Visit Oleg Strashnov

After a welcome at Futureland, 140 IRO participants boarded the 'James Cook' and then sailed to the Oleg Strashnov on 16 February 2017. On board of the Oleg Strashnov the participants were guided by enthusiastic Seaway Heavy Lifting staff on this impressive ship.

The afternoon was continued in restaurant 'Schietbaan Europoort', where three presentations were given: Maarten de Keijzer (Director OutSmart): 'Macro story about wind worldwide (on and offshore)'; Ernst van Zuijlen (Managing Director TKI Wind op Zee): 'More micro view on offshore wind in North West Europe'; Jan Willem van der Graaf (CEO Seaway Heavy Lifting and Chairman IRO Offshore Renewable Committee): 'Seaway Heavy Lifting EPCI Projects'. The network drinks and the stew buffet, offered by Seaway Heavy Lifting, made a great end of the day.



CEDA-IRO meeting on Offshore wind

On 9 March 2017, more than 100 IRO and CEDA members were present at the annual joint meeting with the theme 'The North Sea - source of energy (transition)'. Sustainability is an increasingly important theme in our society. Many companies, knowledge institutes and interest groups want to contribute to a reliable, future-proof and climate-neutral energy supply. The North Sea occupies a prominent place when it comes to energy and the inevitable energy transition. Three speakers gave their views on the theme from various perspectives.

'Dutch Master Plan Decommissioning & re-use' by Eric Kreft, Lead Decommissioning a.i EBN; 'Collaboration in supply chain in O&G' by Peter Sanders, Partner Deloitte and 'Our Oceans Challenge' by Marjolein van Noort, Board member OOC. The meeting was closed with network drinks.

EY-IRO Oil & Gas Industry Forecast

On 28 March 2017 over 200 people from the offshore & maritime industry gathered at the STC building in Rotterdam for the annual EY-IRO Oil & Gas Industry Forecast event. Malcom Dickson from Wood Mackenzie took us deep into the recent developments with regard to CAPEX & OPEX in the global Oil & Gas industry. Guillaume Petit from EY presented their 2016 Results Dutch Oilfield Services Survey. As main opportunities were identified: offshore wind farms, decommissioning activities, use of innovative technologies, strategic collaboration between OFS companies and operators.

Fay Shong, also from EY, led us through the enormous potential areas that digitalisation has to offer to the somewhat conservative O&G industry. Main conclusion and advice: Start now, it will pay off definitely. Last but not least Jan Willem van Hoogstraten from EBN presented the content of the Masterplan Decom & re-use and an update on the progress. The sense of urgency is widely acknowledged and all stakeholders seem convinced that now is the time to act.

Members meeting Delta Safety Training

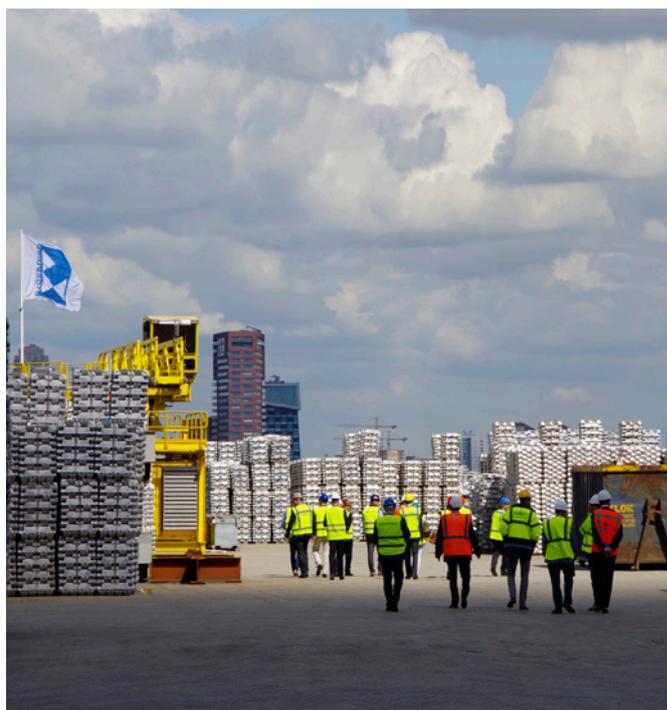
On 13 April 2017 an IRO members meeting took place at Delta Safety Training in Rotterdam. After a word of welcome from IRO Managing director Sander Vergroesen and CEO Delta Safety Training, Jasper van den Driest, presentations were given by various IRO members and partners of Delta Safety, namely Ascom (Edwin Meerbeek), SkyDeck Europe (Ronny van Baal) and Euro-Rigging (Ton Raemakers). After the presentations, a tour of the building and demonstrations of the various facilities were given. The afternoon ended with networking drinks with a Texan touch.

Members meeting at Broekman Logistics

On 13 June 2017 Broekman Logistics hosted the second IRO members meeting of 2017 in Rotterdam. Broekman Logistics is a full service logistics organisation specialising in ocean, road, rail, air and multimodal transport and offers warehousing and distribution on a worldwide basis. The first part of the afternoon program started at the Broekman office in Rotterdam harbour, with a presentation on the company. Also, as a fixed part of our members meetings nowadays, 5 of our new IRO members had the chance to briefly introduce themselves to the whole audience: Auxilium Offshore, OOS International, Prysmian Group, Rhenus Logistics and Ridderflex.

Then, all 85 participants were invited to board a ship and visit the Broekman terminal. The size of the warehouses and cranes and weight of the cargo were very impressive.

It was clear that quite a few IRO members and oil & gas operators are making good use of these facilities. After this mindboggling experience we sailed around the Rotterdam harbour for informal networking and enjoying the view and weather.



Members meeting at Resato in Assen

More than 50 IRO members travelled to Assen on 5 October 2017 to attend the members meeting. Resato International was our host, from their 'new' office and production site.

A recurring phenomenon is the short pitches of new IRO members; in this case of Vonk, Kwint Offshore, Sandvik and Rosen Europe. Ton Driessen from Resato welcomed all attendees into the world of high pressure technology and water jet cutting. It was very fascinating to see what you can do with 4000 Bar. Rob Bolding of Astava in Meppel revealed what an extensive product portfolio (> 3,500) Astava has in the field of instruments for the Oil & Gas sector. After that, Alex Mulder from Stiko in Roden continued with a pitch on their range of measuring equipment. Marleen Lenting of SIRI Marine in Appingedam closed the plenary session. SIRI Marine specialises in movements and in particular the measurement and monitoring of movements and their impact. She launched a scoop: together with Mocean Offshore they have developed a Motion Forecasting Service, which is now a pilot. After a tour at the impressive Resato complex, the attendees could enjoy the network drinks.

Members meeting at Deltares

On 22 November 2017 an interesting members meeting took place at Deltares. An eye-opener for many, undoubtedly. Deltares is an independent applied knowledge institute in the field of water and subsoil. Worldwide they are working on smart innovations, solutions and applications for people, the environment and society, mainly aimed at deltas, coastal regions and river areas. Because the management of these densely populated and vulnerable areas is complex, Deltares works closely with governments, companies, knowledge institutions and universities at home and abroad. After an extensive presentation on all offshore related activities of Deltares, we were guided in 4 groups through impressive hydro-research locations. From the Atlantic Basin via the Pacific Basin to the immense Delta gutter where offshore wind related issues are being investigated.

Annual General Meeting at IHC IQIP

On 7 November 2017 the IRO Annual General Meeting took place at IHC IQIP and IHC Systems, attended by 120 IRO members. The main items on the agenda for the Annual General Meeting were the reflection of IRO's activities during 2017; the financial closure of 2017; a short view on focus areas for the (near) future; budget 2018 presentation and approval; stepping down of Board member Rob Luijnenburg; and the appointment of Board member Mark Heine (Fugro).



During the public part of the meeting, IRO Chairman Pieter van Oord gave his views on the future developments in the oil and gas and offshore renewable industry.

Also Jan Albert Westerbeek, Managing Director of IHC IQIP, presented the audience with an overview of the diversity of IHC IQIP products & services. After that we were invited to take part in a guided tour across the premises and we were all impressed by the size and volumes of products that are fabricated. Drinks and bites at the end of the afternoon offered everybody the opportunity to mingle and network.





Innovation & Technology

The Oil, Gas and Offshore Renewable supply industry in the Netherlands belongs to the top 5 of the world. Thanks to their high standards in innovation and technology the Dutch suppliers are capable of meeting any challenge now and in the future in an effective and efficient way. In order to stay ahead of the competition IRO encourages its members to invest in innovative technology.

IRO organised the following meetings that demonstrate the capabilities of its members and the innovative character of the industry.

Visit Energy Delta Institute

The changing energy world is forcing companies to innovate in order to stay competitive. In addition, the energy sector faces the possibility of a growing shortage of qualified personnel over the coming decades. The sector has only one choice: to invest in knowledge. On 31 October 2017 IRO members attended a meeting at Energy Delta Institute in Groningen, an international energy business school where partners and participants can exchange energy knowledge.

René Peters, Chairman of the IRO Gas Committee and Director Gas Technology at TNO, welcomed the attendees and gave an update on the activities of TKI Gas. Mr. Catrinus Jepma, Professor of Energy and Sustainability at the University of Groningen and Scientific Director of the Energy Delta Gas Research program (EDGaR), continued with an update on the Energy Transition in his presentation 'What is the new energy coalition?'. After the

presentations all participants were given a guided tour through the En(ergy) Tran(sition) Ce(nter): the hotspot of applied sciences for businesses and innovations. The meeting ended with network drinks.

Meeting at Sif

On 7 December 2017 over 70 IRO members enjoyed a windy afternoon at Sif in Rotterdam. After the presentations of Tim Raaijmakers from Deltares, Martin Weissmann from InnovatieLink and Michel Kurstjens from Sif, there was a guided tour at Sif's huge facility at Maasvlakte 2.

On the basis of applied research, Deltares develops innovative technologies in offshore wind. They support the industry by researching alternative wind turbine support structures, pile installation techniques and metocean conditions and operational forecasting.

SME's play an important role in innovation. Innovations which are necessary to change the Netherlands into a sustainable society. In the existing maze of funding schemes and partnerships it can be a challenge for SME's to realise their innovation ambitions. InnovatieLink helps SME's in the chemical, energy and biobased sectors with their questions and problems on their way from concept to market.

Sif's new assembly and coating site at Maasvlakte 2 in Rotterdam was officially opened on Friday 29 September 2017. It features a unique wharf, with a load capacity of 10 tonnes/m² and a depth of 16.5 metres, specially constructed by the Port of Rotterdam. This allows two installation vessels to load monopiles and transition pieces at the same time. The site now has two production lines in operation, capable of producing 4 complete monopiles every week.

Human capital & Education

Throughout the year 2017 IRO cooperated with NOGEPA on topics such as human capital, education, labour and safety training related issues. Together both associations cover the oil and gas industry as a whole; NOGEPA from an operator perspective, whilst IRO represents the supply chain.

IRO and NOGEPA continued its efforts to attract more qualified young staff to our industry. At various levels input was given into educational programmes and events. IRO-NOGEPA's Employment & Education Coordinator, Chris Wijsman, retired in September 2017. Both associations jointly decided not to backfill this position, but to continue a selection of activities as from 2018.

Exhibitions

IRO and NOGEPA were present at the Maritime & Offshore Career Event in Rotterdam in April 2017 and at the Offshore Energy Conference in the RAI in October 2017 to promote our industry and to attract students to the vacancies in our sector.

HBO Offshore Network

On 9 November 2017 the HBO Offshore Network Symposium 2017 'Offshore Wind' took place at the RDM Campus, Rotterdam-Heijplaat. A unique feature of this annual interactive symposium is that 200 HBO students from all over the country and employees from companies from the offshore sector come together. The 4th year students were doing a minor related to offshore at one of the five HBO institutions affiliated to the network. The theme was chosen because the revenue from wind farms at sea is an increasingly interesting component of the energy transition. The speakers in the morning program indicated what the challenges and bottlenecks are for the further development of wind energy at sea. In the afternoon program, HBO students worked in teams on technical solutions that could lead to major breakthroughs. With this, they participated in the HBO Offshore Award 2017 which was awarded at the end of the day.

Guest lectures

In September the guest lecture 'Introduction to the Upstream sector' was presented to students of the Minor Offshore Engineering (AVANS Hogeschool, Den Bosch), and to 300 students from Technasia at the Maritime Museum Rotterdam.

Qompas

IRO and NOGEPA are supporting job descriptions in the career test 'Studiekeuze' for secondary education and 'Sectorkeuze' for vocational students. The job descriptions are accompanied by short videos. The functions are welder, operator, work-planner, geologist, geo-technical engineer and driller. On behalf of IRO and NOGEPA Qompas has sent 3520 flyers and 16,608 e-mails to students of secondary education in order to promote the Oil & Gas and offshore sector.

www.werkenindewereldvanolieengas.nl

IRO and NOGEPA have jointly developed this website to encourage young people to choose for a career in the dynamic world of oil and gas. Videos of various professions and themes of the sector as well as links to vocational training institutions and job opportunities are available at the website. The target audience of the website are pupils and students following primary, secondary and higher education.

Sponsoring

In order to improve the image of the oil and gas industry and to promote technology, offshore engineering and oil & gas the following projects were sponsored: Jet-Net, Techniektoernooi, HBO Offshore Network, Geo VU'sie VU Amsterdam.

Education Support

In order to promote offshore subjects at education institutes, IRO participated in 2017 in the '3ME Beroepenveld' Committee of the TU Delft, Bedrijfstak Committee Waterbouw en Baggerbedrijf of STC in Rotterdam. Also IRO was present at the industry room MTLM (Mobility, Transport, Logistics and Maritime) of the SBB (Samenwerkingsorganisatie Beroepsonderwijs Bedrijfsleven).

Maritime by Holland (NML)

In 2017 IRO took part in the Human Capital Council of Maritime by Holland (NML) and attended the meetings of the HCC.

Dutch Maritime Cluster Monitor 'High Tech, Hands On'

Maritime by Holland (NML) has published the Dutch Maritime Cluster Monitor 2017 in October. This report is initiated by command of the Minister of I&W in cooperation with NML and was executed by ECORYS. IRO members have provided statistical data for offshore sector for this report.

Jet-Net

IRO is a member of Jet-Net and promotes this initiative among the IRO members.

Training courses

New 1-day course Offshore Wind Basics

As of November 2017 IRO started offering an 'Offshore Wind Basics' course, in close collaboration with DOB-Academy in Delft. This course has been developed for newcomers in the offshore wind industry and others interested in the sector. Background knowledge or a technical education is not required.

In this course participants learn the basics of the offshore wind energy industry in inspiring lectures, which contribute to understanding this rapid growth and identifying possible opportunities for the company. The lectures are accompanied by two practical cases in which the gained knowledge is immediately put into practice.

'Oil & Gas Well Sourced' course

This course is given in the Maritime Museum in Rotterdam, where a visit to the Offshore Experience is part of the program. The course gives insight into how oil and gas fields are formed, explored and put into production and provides an overview of how the industry works. It is presented by experts in the oil and gas industry and is given either in Dutch or English. It is also possible to organise an in-house course for employees at their own premises.

In 2017 IRO organised five courses in the Maritime Museum in Rotterdam and one at location in Den Helder.

Young IRO



Official launch

In September 2017 IRO announced the launch of a brand-new initiative within the association: Young IRO. In these challenging times of energy transition, along with rapid developments in the field of digitalisation, globalisation and changing conditions on the labour market, it is of utmost importance to keep the young people within our industry connected with our association.

Supported by the IRO Board, a group of young representatives from our member companies had various brainstorm sessions on how to address this challenge. Eventually this resulted in a well-defined purpose and set of objectives for the establishment of a Young IRO group, young professionals under the age of 35 years and working for one of our IRO (associate) member companies. Registration via young@iro.nl.



Launching event Young IRO

A special launching event with the theme 'Are you future-proof?' took place on 10 October 2017 during the Offshore Energy Exhibition & Conference.

IRO board members Jan Willem van der Graaf (Seaway Heavy Lifting) and Edward Heerema (Allseas) were interviewed on stage by trend watcher Ruud Veltenaar on their career paths, their mistakes and successes over the years and their advice to the young audience. Both gentlemen also gave an insight in the role of young professionals in their businesses.

Afterwards Ruud Veltenaar challenged the audience to think more creatively and 'out-of-the-box'. You could say he gave the attendees plenty food for thought and subject for discussion for the networking drinks afterwards.





Trending topics

Offshore Renewables

The offshore wind energy industry is booming. In almost all European offshore wind projects Dutch companies are involved. IRO members with their offshore know-how and equipment from the offshore oil and gas industry play an important role in especially the maritime installation part of offshore wind energy projects. Reason why IRO organised a large number of offshore wind related activities in 2017.

- The yearly CEDA-IRO meeting and the annual EY-IRO Oil & Gas Industry Forecast meeting in March 2017 both had offshore wind in their themes.
- IRO organised an Offshore Wind Mission to the UK from 6-8 June 2017 in cooperation with the Netherlands British Chamber of Commerce and Holland Home of Wind Energy. The mission was organised in combination with a visit to the Global Offshore Wind Exhibition in London. The mission was a follow-up to previous successful annual trade missions to the United Kingdom between 2011 and 2016.
- IRO cooperated with NWEA at the WindEurope Exhibition in November in Amsterdam. The next Dutch Village will be held in September 2018 in Hamburg at WindEnergy Hamburg, in cooperation with NWEA and NMT.
- IRO also participated in the Navingo Offshore WIND Conference on 24 and 25 October 2017 in the RAI Amsterdam.

Decommissioning

Decommissioning of Dutch oil and gas assets will be an important topic over the coming two decades as a large portion of these assets will reach the end of their economic life in this period. As the economy is moving towards a renewable future, this presents an opportunity to re-use existing infrastructure to support renewable investments before safe and sustainable decommissioning.

KIVI symposium Graceful Demolition

On 12 May 2017 more than 200 visitors attended the successful KIVI symposium with the theme 'Graceful Demolition'. During the event the following topics were addressed:

- Means and standards to carry out decommissioning and removal in the offshore industry
- Ship breaking, or preferably ship recycling in the maritime industry
- Design for demolition, for sustainable use of materials

Keynote speakers were Mr. Andries Otter, D&R excellence Manager for Shell, addressing the issues in the offshore industry, and Mrs. Tineke Netelenbos, president of the Royal Netherlands Association of Shipowners KVNR, addressing the issues in the shipping industry. Several interesting lectures were given during the day, among others by IRO Board member Edward Heerema from Allseas. IRO supported and sponsored the symposium.

Nexstep

Nexstep, National Platform for Re-use & Decommissioning was officially launched on 10 October 2017 during the Offshore Energy Exhibition & Conference. It has been established following recommendations made in the Netherlands Masterplan for Decommissioning & Re-use in November 2016.

This Masterplan was set-up by EBN, NOGEPa and IRO, respectively representing the state, the oil and gas operators, and the service industry. As and when oil and gas fields come to the end of their production life, the related infrastructure will become available for other uses. The energy transition presents an opportunity to re-use existing elements to complement renewable investments before their eventual safe and efficient decommissioning.

Nexstep will develop and drive a dedicated innovation agenda; promote effective regulation and encourage knowledge transfer both nationally and internationally. It encourages industry collaboration, sharing of lessons learned and engagement with international partner organisations involved in the coordination of re-use and decommissioning of oil and gas infrastructure. IRO supports Nexstep and shares information on new developments or activities with its members.

Corporate social responsibility and sustainability

All sorts of industries are looking for sustainable alternatives for products and processes that are detrimental to the environment. Also in the offshore sector. There is attention for innovations that do not leave 'footprint'. It will not take long before major changes take place and give the sector a new look. Companies are creative about the search for product and business sustainability.

Dare 2 Cross: Offshore/Energy meets Cyber Security

This unique event took place on 28 September 2017 in The Hague, during the international Cyber Security Week. (Cyber) Security is one of the most important challenges currently facing the offshore energy industry. Furthermore, the strong development of the (cyber)security technologies offers new threats, but simultaneously creates new opportunities for the development of new services and monitoring. However, at the same time, businesses are stating that increasing awareness and collaboration is necessary in order to develop sustainable solutions.

The goal of the Dare 2 Cross event was to increase awareness for possible threats and possibilities of protecting critical offshore and energy infrastructures from cyber attacks. And secondly to encourage cross-sectoral collaborations between industries to develop future applications and solutions. IRO sat on the organising committee and invited IRO members to attend the event.



Public Relations & Media exposure

Public Relations Committee

In 2017 Public Relations Committee meetings were organised on 16 March, 12 June and 19 September. Main subjects on the agenda were the new IRO house style, exhibition conditions for participation in the Dutch pavilion and the mission statement of the association.

IRO Newsletter

The IRO Newsletter is sent every month. The messages are short and concise with a click to the website for the complete message, which creates more traffic to the website in favor of the members. A calendar is directly linked to the event item which facilitates swift registration. New members are also included with a click-through to their members profile on the website.

Netherlands Suppliers Catalogue

Due to the change of activities of the association including offshore wind and offshore renewable energy, the name of the catalogue changed into Netherlands Suppliers Catalogue. The Catalogue provides a good overview of the activities, products and services of Dutch suppliers to the oil and gas industry and offshore renewable industry and is an important tool for companies to present themselves. Every year around 6000 copies of this catalogue are sent to embassies and international parties all over the world. The Catalogue is handed out at exhibitions, trade missions members meetings, training courses, career events, etc. The Netherlands Suppliers Catalogue can be found online at www.iro-catalogue.nl. For the 2017 edition several changes to advertising possibilities have been made.

Offshore Visie/Ocean Energy Resources

Offshore Visie is a publication for the oil, gas and offshore wind energy industry published by the publishing company Uitgeverij

New IRO house style

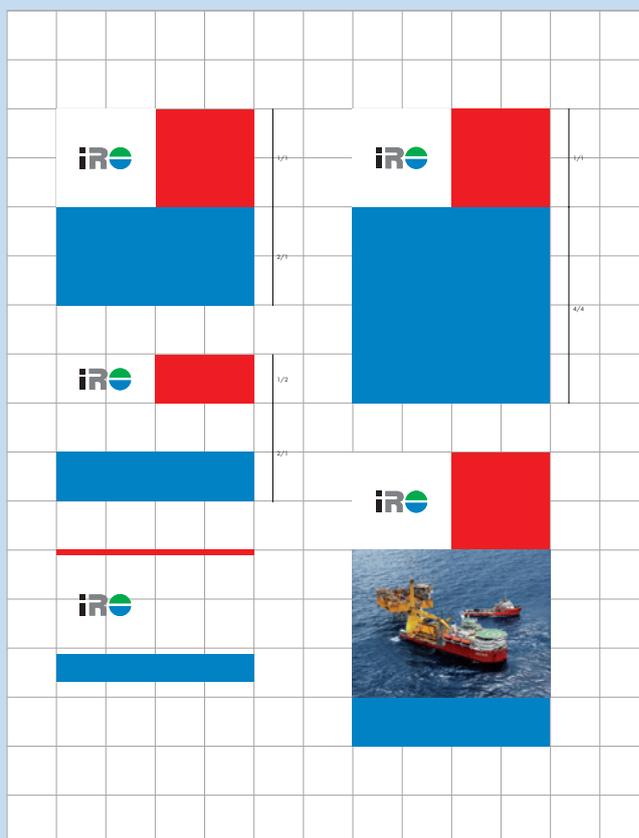
Due to the name change of the association, adding Offshore Renewable to its activities and name, all means of communications had to be reviewed and adapted over the year.

Business cards, e-mail signature, writing paper, envelopes, compliment cards, annual report, presentation banners, exhibition presentation walls, member information, course folder and course certificate were all brought in line with the new house style's colors and font. The IRO logo was also slightly adapted.

IRO member logo

IRO together with its members ensure that the oil, gas and offshore renewable sector is nationally and internationally positioned and the positive image is strengthened.

A strong and well positioned sector actively contributes to the success of individual companies. Therefore IRO developed a special IRO member logo. IRO members are invited to use the IRO member logo actively and help spread the brand. The IRO member logo can be placed on your website, letterhead or any other means of communication. The logo is available at the My IRO part of the website.



Tridens in IJmuiden, the Netherlands. IRO contributes editorial pages to this bi-monthly magazine. Every IRO member receives a free copy. As from 2018 the magazine will continue with the name Ocean Energy Resources. The online version of the magazine can be found at www.offshorevisie.nl.

Offshore Holland

The purpose of this magazine is to inform the international oil and gas industry of the services provided by Dutch companies that are related to the offshore industry. In addition, technological developments are announced and the magazine contributes to a positive image and positioning of the Netherlands as an innovative and resourceful partner country. Offshore Holland is published and distributed at major oil and gas events such as the Offshore Technology Conference in Houston, Offshore Europe in Aberdeen, Offshore Northern Seas in Stavanger, ADIPEC in Abu Dhabi, OSEA in Singapore and Oil & Gas Asia in Kuala Lumpur.

Linkedin

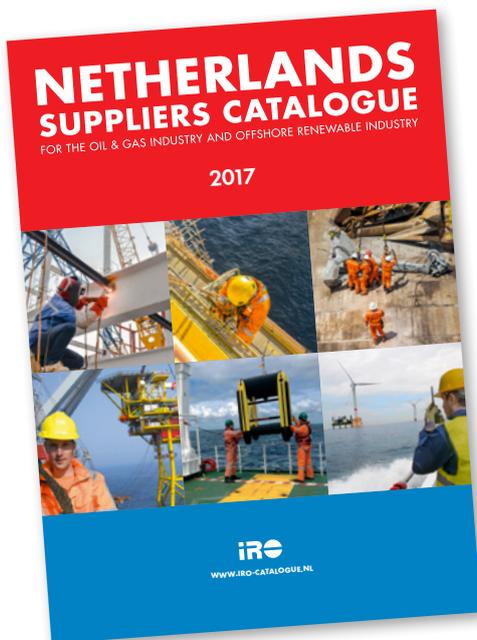
IRO's LinkedIn Group (IRO - The Association of Dutch Suppliers in the Oil and Gas Industry and Offshore Renewable Industry) already has 782 members linked. News items are shared by IRO on a regular basis. All IRO members are invited to join this group and share their news.

Press

Several interviews or input for articles were provided in national and international media over the year. Topics ranged from overviews of the Dutch offshore oil and gas industry to the innovative mentality of the Dutch suppliers' industry and the strength of networking in the industry.

Maritime by Holland (NML) Public Relations Committee

IRO is a member of the Maritime by Holland editorial advisory board and the Maritime by Holland Public Relations Committee.



Layout & production

PMS 72

Printing

Veenman+

Photography & Images

Erik Jansen Fotografie

ADIPEC

Allseas

Ampelmann

C-Job Naval Architects

Deltares

Fugro

Huisman

Jumbo Offshore

Navigo

Offshore Holland

Offshore Visie

OOS International

Pedemex

Seafox

Seaway Heavy Lifting

SeaZip Offshore Service

Royal IHC

Royal Wagenborg

Van Oord

© IRO 2018

Membership list

Ordinary Members

- O** 80:20 Procurement Services NL, www.8020procurement.nl
- A** A.Hak, www.ahak.nl
Abuco, www.abuco.nl
Acta Marine Offshore Services, www.actamarine.com
AF Offshore Decom, www.afgruppen.no
Airborne Oil & Gas, www.airborne-oilandgas.com
Alara-Lukagro, www.alara-lukagro.com
ALE Heavylift, www.ale-heavylift.com
Alewijse Marine, www.alewijse.com
Alfa Laval Benelux, www.alfalaval.nl/oil-and-gas
Allrig, www.allriggroup.com
Altheris Sensors & Controls, www.altheris.com
Ampelmann Operations, www.ampelmann.nl
Amphibious Energy, www.amphibiousenergy.com
Anamet Europe, www.anamet.nl
AncoferWaldram Steelplates, www.ancoferwaldram.com
Ascom (Nederland), www.ascom.nl
Assai Software Services, www.assai-software.com
Astava, www.astava.com
Atlas Copco Rental Nederland, www.atlascopcorental.nl
Atlas Professionals, www.atlasprofessionals.com
Atlas Professionals, www.atlasprofessionals.com
Auxilium Offshore, www.auxiliumoffshore.com
AVT Hydrauliq, www.hydrauliq.nl
- B** Baker Hughes, www.bakerhughes.com
Bakker Sliedrecht Electro Industrie, www.bakkersliedrecht.com
Balluff, www.balluff.nl
Barge Master, www.barge-master.com
Bayards Aluminium Constructies, www.bayards.com
Belfor Technology (Nederland), www.belfor-technology.nl
BigLift Shipping, www.bigliftshipping.com
Blue Offshore, www.blueoffshore.com
Bluestream Offshore, www.bluestreamoffshore.com
Bluewater Energy Services, www.bluewater.com
BOIS Equipment Rentals, www.boisbv.com
Bolidt Synthetic Products and Systems, www.bolidt.com
Bosch Rexroth, www.boschrexroth.com
Boskalis, www.boskalis.com
Breman Machinery, www.breman-machinery.nl
Breman Offshore, www.breman-offshore.nl
Broekman Logistics, www.broekmanlogistics.com
Bronswerk Heat Transfer, www.bronswerk.com
Brooks Instrument, www.brooksinstrument.com
Brunel Energy, www.brunel.net
Brunel Engineering Marine & Energy, www.brunel.nl
Burdock Project Consultants, www.burdock.com
Bureau Veritas (Netherlands), www.bureauveritas.com
- C** CargoFlexX Group, www.cargoflexx.com
CB&I Nederland, www.cbi.com
CBOX Containers Netherlands, www.cboxcontainers.com
Cebo Holland, www.cebo.com
CKT Projects, www.cktprojects.com
CLAFIS, www.clafis.com
CNGS Group, www.cngsgroup.com
Combifloat Systems, www.combifloat.com
Compressor Systems Holland (CSH), www.compressorsystems.com
Conbit, www.conbit.eu
Conquest Offshore Operations, www.conquestoffshore.com
Copier Bevelmachines, www.bevelmachines.com
Coronam, www.coronam.nl
Crown's Services, www.crownerservices.nl
- D** Damen Shiprepair Rotterdam, www.damenshiprepair.com
Damen Shipyards Gorinchem, www.damen.com
Damen Verolme Rotterdam, www.damenshiprepair.com
DBR BV, www.dbr-bv.nl
DCN Diving, www.dcdiving.com
De Graaf Aandrijvingen, www.degraaf-aandrijvingen.nl
DE REGT Marine Cables, www.deregtcables.com
De Ruyter Training & Consultancy (DRTC), www.drtc.nl
DeepOcean Group Holding, www.deepoceangroup.com
Delta Safety Training, www.deltasafety.nl
DHTC, www.dhtc.com
Dieseko Group, www.diesekogroup.com
DISA Nederland, www.disa-international.com
DNV GL, www.dnvgl.com
Doedijns Group International, www.dgi-company.com
Douma Group, www.douma.nl
Draka / Prysmian Group, www.prysmiangroup.com
Dredging & Contracting Rotterdam, www.jandenuul.com
DSM Dyneema, www.dyneema.com
- E** Eager.one, www.eager.one
ELA Container Offshore Accommodation, www.ela-offshore.com
Elcee Holland, www.elcee.nl
EMCE Winches, www.emce.com
Engie Fabricom International Operations, www.engie-fabricom.nl
Enersea, www.enersea.nl
ERIKS Flow Control, www.eriksflowcontrol.nl
Escher Process Modules, www.escher.nl
Expro North Sea Ltd, www.exprogroup.com
- F** Falck Safety Services, www.falcksafetyservices.nl
Fluiconnecto, www.fluiconnecto.nl
FMTC, www.fmtc.nl
Formaco Forgings & Castings, www.formaco.nl
Foru-Solution, www.foru-solution.com
Frames, www.frames-group.com
Frank's International Coöperatief, www.franksasing.com
Fugro, www.fugro.nl
Fugro Engineers, www.fugro.nl
Fugro GeoServices, www.fugro-nederland.nl
Fugro Survey, www.fugro.nl
- G** G4S Training & Safety Solutions, www.g4s.nl
GAC Netherlands, www.gac.com
GEA Nederland (GEA Westfalia Separator), www.gea.com
Geomil Equipment, www.geomil.com
Georg Fischer, www.georgfischer.nl
Geveke Werktuigbouw, www.gevekewerktuigbouw.nl
GloMar Offshore, www.gloमारoffshore.com
Gouda Holland, www.goudaholland.nl
GranEnergia, www.granenergia.com
GS-Hydro Benelux, www.gshydro.com
GustoMSC, www.gustomsc.com
- H** H2M, www.h-2m.com
Halliburton, www.halliburton.com
Hatenboer-Water, www.hatenboer-water.com
Heating Group International, www.heatinggroup.eu
Heerema Fabrication Group, www.heerema.com
Heerema International Group Services, www.heerema.com
Heerema Marine Contractors, www.heerema.com
Height Specialists, www.heightspecialists.nl
Helder Oil & Gas, www.helders.com
Hendrik Veder Group, www.hendrikvedergroup.com
HGG Profiling Contractors, www.hgg.nl
Hobré Instruments, www.hobre.com
Holland Legacy Pump Group, www.hlpgroup.nl
Hollandia Offshore, www.hollandiaoffshore.nl
Holmatra Industrial Equipment, www.holmatra.com
Honeywell, www.honeywell.nl
Honor Safety & Consultancy, www.honor-safety.nl
HSM Offshore, www.hsm.nl
Hudig & Veder Forwarding, www.hudigveder.nl
Huisman, www.huismanequipment.com
Hycor, www.hycor.nl
Hydac, www.hydac.com
Hytorc Nederland, www.hytorc.nl
- I** Iemants, www.iemants.com
IFS BeNeLux, www.ifsworld.com
Ingenieursbureau Coenradie, www.coenradie.nl
Ingenieursburo Gommer, www.gommer.nl
InterDam, www.interdam.com
Inventheon, www.inventheon.com
iPS - Powerful People, www.ipspowerfulpeople.com
Istimewa Elektro, www.istimewa.nl
Iv-Consult, www.iv-consult.nl
Iv-Groep, www.iv-groep.nl
IVM (Instituut voor Veiligheid & Milieu), www.werkveilig.nl
Iv-Oil & Gas, www.iv-oil-gas.nl
- J** Jack-Up Barge, www.jackupbarge.com
JB Systems Industrial Automation, www.jbsystems.nl
Jumbo Offshore, www.jumbomaritime.nl
- K** KCI the engineers, www.kci.nl
KENC Engineering, www.kenc.nl
Kenz Fiege Group, www.kenz-fiege.com
KH Engineering, www.khe.eu
Konutherm, www.konutherm.com
Kreber, www.kreber.nl
Krohne, www.krohne.com
- L** Lankhorst Engineered Products, www.lm-offshore.com
LIFT2WORK, www.lift2work.nl
Lift-Tex Industrie, www.lift-tex.nl
Lloyd's Register EMEA, www.lr.org
Lowland Marine & Offshore, www.lowland.com
LUC Group, www.lucgroup.com
- M** M Restart, www.mrestart.nl
Machinefabriek Heerbaart, www.machinefabriek-heerbaart.com
Mammoet Europe, www.mammoet.com
Mammoet Global, www.mammoet.com
MarFlex, www.marflex.com
Marin, www.marin.nl
Maris, www.maris.nl
MechDes Engineering, www.mechdes.nl
MediWerk, www.mediwerk.com
Mercon Montage, www.mercon.com
Merford Cabins, www.merford.com
METAGRO - Metaalbouw Groot-Ammers, www.metagro.nl
MeteoGroup, www.meteogroup.com
MFE Machining & Construction, www.mfe.nl
MHF Contracting, www.mhf-contracting.nl
MME Rope Access, www.mme-group.com
Mocean Offshore, www.mocean-offshore.com
MOH Service, www.moh.nu
Mokveld Valves, www.mokveld.com
Mooreast Europe, www.mooreast.com
MP Holland International Freight Forwarders, www.mpholland.net
MTC International, www.mtc-int.net
Multimetaal Constructie, www.multimetaal.com
- N** Nevesbu, www.nevesbu.com
New Cosmos - BLE, www.newcosmos-europe.com
Niron Staal Amsterdam, www.nironstaal.nl
NMT Global Project Logistics, www.nmtprojects.com
N-Sea, www.n-sea.com
- O** Oceanteam, www.oceanteam.nl
Offshore Independents, www.offshoreindependents.com
Offshore Marine Contractors (OMC), www.omcon.com
Offshore Ship Designers, www.offshoreshipdesigners.com
Onstream European Consultancy, www.onstreamgroup.com
OOS International, www.oosinternational.com
Orga, www.orga.nl
Oudkerk, www.oudkerk.com
- P** Paradigm Technology Services, www.paradigm.eu/technology
Paragon Offshore (Nederland), www.paragonoffshore.com
Parker Hannifin, www.parker.com
PAT-Krüger, www.pat-kruger.com
PECO Select Fasteners, www.peconl.nl
Petrofac Training Services, www.petrofactraining.com
Petrogas Gas Systems, www.petrogas.nl
Plaatwalsenrij Pumerend, www.plaatwalsenrij-pumerend.nl
Pleuger Water Solutions, www.pleuger.nl
Pon Power, www.pon-cat.com
Pronomar, www.pronomar.com
- Q** Quercus Technical Services, www.qts.nl

R RAE Benelux, www.rae.nl
 Red Box Energy Services, www.redboxgroup.com
 RedWave, www.redwave.nl
 Resato International, www.resato.com
 Ridderflex & Plastics, www.ridderflex.nl
 Rider International, www.ridercorp.com
 Rolloos, www.rolloos.com
 Roodhart Marine Services, www.roodhart.com
 Ropeblock Lifting Gear, www.ropeblock.com
 Royal IHC, www.royalihc.com
 Rusch Offshore Services, www.rusch.to

S Sandvik Materials Technology, www.materials.sandvik/en
 SBM Offshore, www.sbmoffshore.com
 Schlumberger Petroleum Services, www.slb.com
 SDC Verifier, www.sdcoverifier.com
 Sea Trucks Group, www.seatrucksgroup.com
 Seafox, www.seafox.com
 SeaMar Services, www.seamar.nl
 Seatools, www.seatools.com
 Seaway Heavy Lifting, www.seawayheavylifting.com
 SeaWorks, www.sea-works.com
 SeaZip Offshore Service, www.seazip.com
 Selmers, www.selmers.com
 Sick, www.sick.be
 Siemens Industrial Turbomachinery, www.siemens.com
 Siemens Nederland, www.siemens.nl
 Siemens PLM Software, www.siemens.nl/plm
 SIF Netherlands, www.sif-group.com
 Sinus Jevi Electric Heating, www.sinusjevi.nl
 Siri Marine, www.sirimarine.nl
 Sky-Access, www.sky-access.com
 Smitsvonk Holland, www.smitsvonk.nl
 SMST Designers & Constructors, www.smst.nl
 Smulders, www.smulders.com
 SoluForce, www.soluforce.com
 SOMA Bedrijfsopleidingen, www.somabedrijfsopleidingen.nl
 Spliethoff, www.spliethoff.com
 SPM Marine & Offshore, www.spminstrument.nl
 SPT Offshore, www.sptoffshore.com
 STAR Group, www.starpowerpeople.com
 STC-KNRM Offshore-Safety, www.stc-knrm.nl
 STIKO, www.stiko.com
 Stark, www.stark.com
 Supermaritime Nederland, www.supermaritime.com
 Svasek Hydraulics, www.svasek.com
 Swagelok Nederland, nederland.swagelok.com

T Task Environmental Services Worldwide, www.task-es.nl
 TechnipFMC, www.technipfmc.com
 TechnipFMC, www.technipfmc.com
 Techno Fysica, www.technofysica.com
 Teijin Aramid, www.teijinaramid.com
 Temporary Works Design, www.twd.nl
 The Offshore Partners, www.theoffshorepartners.com
 Tideland Signal, www.tidelandsignal.com
 Tideway Offshore Solutions, www.deme-group.com/tideway
 TKF, www.tkf.nl
 TME, www.tme.nl
 TOS (Transport & Offshore Services), www.tos.nl
 Tradinco Instruments, www.tradinco.com
 TrustLube, www.trustlube.com
 Twister, www.twisterbv.com

U Ulstein Design & Solutions, www.ulsbv.nl
 Ulstein Equipment, www.ulsteinequipment.com
 United Offshore Services, www.uos-nl.com
 USG Engineering Professionals, www.usgengineering.nl

V Vageri Electrical & Instrumentation, www.vageri.nl
 Van Aalst Group, www.vanaalstgroup.com
 Van Beest, www.vanbeest.com
 Van Dam, www.van-dam.nl
 Van Halteren Metaal, www.vanhalteren.com
 Van Heck, www.vanheckgroup.com

Van Leusden, www.vanleusden.com
 Van Oord, www.vanoord.com
 Van Oord Offshore, www.vanoord.com
 Van Thiel United, www.thiel.nl
 Van Veelen Industriële Verpakkingen, www.veelen.nl
 Van Voorden Gieterijen, www.vanvoorden.nl
 VandeGriep IGS, www.vandegriep.com
 VBMS, www.vbms.com
 VBR Turbine Partners, www.vbr-turbinepartners.com
 Versatec Energy, www.versatec.nl
 Volker Staal en Funderingen, www.vsf.nl
 VoTech Filter, www.votechfilter.nl
 Vraon Offshore Services, www.vraonoffshore.com
 Vryhof, www.vryhofgroup.com
 Vuyk Engineering Rotterdam, www.vuykrotterdam.com

W Wagenborg Foxdrill, www.foxdrill.com
 Wagenborg Offshore Holding, www.wagenborg.com
 Wärtsilä Netherlands, www.wartsila.com
 Water Weights Europe, www.waterweights.nl
 Weatherford Elastomers, www.weatherford.com
 Weatherford Oil Tool Nederland, www.weatherford.com
 WEG Benelux, www.weg.net
 WellGear Group, www.wellgear.nl
 West Coast International Drilling Supply, www.westcoastintl.com
 WIND Cable Services, www.wind.nl
 Workshops Group, www.workshops.nl
 WorldWise Marine Holding, www.worldwisemarine.com
 WTS Energy, www.wtsenergy.com

X XKP Visual Engineers, www.xkp.nl
 XVR Simulation, www.xvrsim.com

Associated Members

A AKD, www.akd.nl
 Allard-Europe, www.allard-europe.com
 Allseas Engineering, www.allseas.com
 Allseas Group, www.allseas.com

B Buren, www.burenlegal.com

C CEVA Showfreight, www.cevashowfreight.nl
 CMS, www.cms-dsb.com
 Conway & Partners, www.conway-partners.com

D Deloitte, www.deloitte.com
 Deltares, www.deltares.nl
 DOB-Academy, www.dob-academy.nl

E EBN, www.ebn.nl
 EIN enterprise, www.einenterprise.com
 ENDURES, www.endures.nl
 EY, www.ey.nl

G Gielissen | Interiors | Exhibitions | Events, www.gielissen.nl

I International SOS, www.internationalsos.com

J JLT Netherlands, www.jltrisk.nl

K KPMG, www.kpmg.nl/energie

M Multiplan International, www.multipan-international.com

N Nederlandse Aardolie Maatschappij, www.nam.nl
 Noordelijke Hogeschool Leeuwarden, www.nhl.nl

O Offshore Industry, www.offshore-industry.eu

P Port of Amsterdam, www.portofamsterdam.com
 Port of Den Helder, www.portofdenhelder.eu
 Port of Rotterdam, www.portofrotterdam.com
 PricewaterhouseCoopers Belastingadviseurs, www.pwcglobal.com

R Rabobank Wholesale Clients Netherlands, www.rabobank.com
 Rhenus Logistics, www.nl.rhenus.com
 ROC Kop van Noord-Holland, www.rockpnh.nl
 Rotterdam Partners, www.rotterdampartners.nl
 Royal HaskoningDHV, www.royalhaskoningdhv.com

T Taxand Netherlands, www.taxand.nl
 The Hague Business Agency (THBA), thebusiness.thehague.com
 TNO Bouw en Ondergrond, www.tno.nl
 TNO Industrie en Techniek, www.tno.nl
 TNO Innovation for Life, www.tno.nl
 TU Delft - Department of Ship and Offshore Structures, www.3me.tudelft.nl

V Vietnam Consult & Trading, www.vietnamconsult.nl

W Windcat Workboats, www.windcatworkboats.com
 Work Wise, www.workwise.eu

Supporters

A Amsterdam Industrial Design, www.amstindes.nl
B Bluebird Consultant, www.bluebird-consultant.nl
 Bredenoord, www.bredenoord.com
C Coers Consultancy Services, www.coersconsultancy.nl
D Daslik Holding, www.daslik.nl
 Deno Compressors, www.denocomp.nl
E EEW-CTS, www.eew-group.com
I Intramar Insurances, www.intramar.nl
 IOT-DOSCO, www.iot-dosco.nl
M Management Strategen/MCE, www.managementstrategen.nl
N Navingo, www.navigo.com
P Pedemex Media Exploitaties, www.pedemex.nl
 PetroQuip, www.petroquip.nl
R RESQ Consultancy, www.resqbn.nl
S Sea Rescue Gear, www.searescuegear.com
W W1CON BV, www.w1con.com

Candidate Members

C Cadac Group, www.cadac.com
 C-Job Naval Architects, www.c-job.com
D De Haan Special Equipment, www.dehaan-se.com
 De Nooi Stainless, www.denoaij.nl
E ECM Technologies / EC Profile, www.ec-profile.com
 Emergency Control - Maritime Training, www.ec-mt.com
G GE's Marine Solutions, www.gemarinolutions.com
H Hydrasun, www.hydrasun.com
I Intrepid Safety Products, www.isp-products.com
K KWINT Offshore, www.kwintoffshore.com
L LV Shipping & Transport Group, www.lvshipping.com
M Mistras Group, www.mistrasgroup.nl
 Mourik Services, www.mourik.com
O Offshore Boarding, www.offshoreboarding.com
P ProLabNL, www.prolabnl.com
R Roll-Lift Transport and Installation, www.roll-group.com
 RSB Bio Solutions, www.rsbio.com
S Scandia Gear, www.scandiagear.com
 Seacontractors Brokerage, www.seacontractors.com
T Thermo Electric Instrumentation, www.te-instrumentation.com
V VONK, www.ivonk.com
W WSG Industrial Services, www.wellservices-group.com

Associated Organisations

A Amsterdam IJmuiden Offshore Ports, www.iyop.com
C Central Dredging Association (CEDA), www.dredging.org
D Dutcham - Dutch Brazilian Chamber of Commerce, www.dutcham.com.br
E EEEGR (East of England Energy Group), www.eeegr.com
 evofenedex, www.evofenedex.nl
H Haven en Scheepvaart Vereniging (HSV) Den Helder, www.hsvdenhelder.nl
I International Association of Drilling Contractors (IADC), www.iadc.org
N Nederlandse WindEnergie Associatie, NWEA, www.nwea.nl
 Netherlands African Business Council (NABC), www.nabc.nl
 Netherlands Maritime Technology, www.maritimetechnology.nl
 NOF Energy, www.energynorth.co.uk
 North Sea Port, www.northseaport.com
P Profion, www.profion.nl
R Rotterdam Port Promotion Council, www.rppc.nl/home
W WTC Twente Energy Group, www.wtctwente.nl/energy-group

Euronet Partners

A Agoria Energy Technology Club, www.agoria.be
D Danish Marine & Offshore Group, www.offshore-denmark.dk
 Decom North Sea, www.decomnorthsea.com
E Energy Industries Council, www.the-ecic.com
 Evolen, www.evolen.org
I Industry Technology Facilitator ITF, www.oil-itf.com
N Norsk Industri, www.norskindustri.no

The Association of Dutch Suppliers in the Oil and Gas Industry and Offshore Renewable Industry

The Oil, Gas and Offshore Renewable supply industry in the Netherlands belongs to the Top 5 of the world. Acting as the gateway to Dutch suppliers in the energy industry, the IRO mission is ultimately aimed at maintaining and strengthening the position of the Dutch Oil, Gas and Offshore Renewable industry by creating a level playing field for its members. IRO's nearly 425 members consist of a wide variety of both multinationals and SMEs. They represent the entire supply chain within the Oil, Gas and Offshore Renewable industry, with activities covering: Engineering & Consultancy, Construction & Fabrication, Plant & Equipment Supply, Contracting & Installation, Exploration & Production and Personnel & HSE, both for offshore upstream oil & gas and offshore renewables (wind and marine energy).



P.O. Box 390
3000 AJ Rotterdam
The Netherlands
+31 (0)79 3411981
info@iro.nl
www.iro.nl
www.iro-catalogue.nl

