

Annual Report 2019



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Danish oil and gas industry set out climate goals

First and foremost, 2019 became a climate year. In the surrounding society as well as for the oil and gas industry climate was on top of the agenda. We saw climate being one of the main priorities among voters during the general election in June 2019, and subsequently an almost united parliament supporting a seventy percent reduction of CO₂ in 2030. In November 2019 Oil Gas Denmark joined the Climate Partnership for Energy and Supply – one of thirteen climate partnerships set up by the government to point out the full CO₂ reduction potential technical possible across Danish business sectors.

The partnership reports were published in March and we can be proud of our industry contribution. It underlines, that green transition is not just something taking place around us - we are very much an integrated part of it. We have a global climate challenge, and to be continuously relevant, we as an industry must play ourselves into this agenda.

This is also the reason we already now see companies, producers as well as suppliers, in the process of turning

themselves from oil and gas companies into energy producers and suppliers - fit to meet future energy demands.

Our input to the partnership pointed at continuation of energy efficiency, potential electrification of the installations in the North Sea and carbon storage - all projects, which, some under current and some under changed political and financial conditions, can be implemented within a Paris compatible time horizon and together reduce millions of tons of CO₂. We are excited for the second half when visions shall be turned into real projects.

Climate was also often an underlying theme, when we throughout 2019 made big efforts to reach the goal set last year: To engage much more proactively in the public and political debate. Whether it was in the political debate in Esbjerg in April, the Folkemøde in June, the Annual Summit in October or through the daily stakeholder engagement in numerous meetings and other activities, we have taken our external communication to a much more active level. Simply because it is through dialogue and collaboration that we shall find solutions to the challenges we face.

The work carried out through the committees is the backbone of our organisation and this year is no exception. Task Force Zero once again was a success, many strong networks within HSE continuously create exchange of experience across the industry and the Technical Committee put a lot of time, work and effort into the Climate partnership. The Committee for Skills and Capabilities has with a renewed and strong scope for collaboration on behalf of Oil Gas Denmark, 3E, Danish Metal Workers and Danish Association of Electricians made an agreement with the Agency for Employment and Recruitment (under the Ministry of Employment) which offers comprehensive practical and financial support to recruit and qualify people. An agreement which has also for some companies proven itself useful during the COVID-19 crisis.

Like many other industries, the Corona crisis has hit the Danish oil and gas industry hard. A dramatic decline in demand for oil and gas, due to decline in almost all societal activities, alongside an ongoing price war on market share, created a historically rapid and drastic fall in the oil price.

Verner Andersen
Vice Chairman

Martin Rune Pedersen
Chairman

Martin Næsby
Managing Director



This, in turn, has resulted in a likewise rapid and extensive decline in activities which has hit the supplier and service companies hard, where we have already seen redundancies and companies struggling.

When the pandemic declines and societies across the world begin to reopen, undoubtedly, we will see an increase in the demand for oil and gas. But when this will happen and what financial consequences will follow, is the real issue. A continued healthy Danish oil and gas sector is essential. Not only for the industry itself but also for society. The crisis has indeed underlined the societal importance of jobs, taxes and security of supply. This is something we deliver at the same time as being among the world's most sustainable oil and gas producers.



Martin Rune Pedersen

Vice President, Total E&P,
Chairman of Oil Gas Denmark



Verner Andersen

Vice President, Semco
Maritime, Vice Chairman of
Oil Gas Denmark



Lars Purlund

Director, Norwegian Energy
Company ASA



Christian Krüger

VP, Global Account
Management, Welltec A/S



Sebastian Koks Andreassen

CEO, INEOS O&G Scandinavia



John Sørensen

Executive Director,
Ramboll Energy



George Lumsden

Asset Director,
Hess Denmark Aps

Board of Directors

Martin is responsible for Total E&P's development and support to conventional offshore operations worldwide. He holds an MSc in Engineering from Aalborg University as well as a Graduate degree in Management Accounting and Process Management from Copenhagen Business School. He joined Total in 2018 after being part of Maersk Oil for over 20 years, i.a. serving as COO in the Executive management team.

Verner is VP of Semco Maritime's Operations Support in the Oil & Gas Division. His background is an electrical engineer. He joined Semco Maritime after having held several managerial positions in various offshore companies in Scandinavia. He is also member of the Board in Esbjerg Petroleum & Renewables Club and Vice Chairman in the Board of the Fisheries and Maritime Museum, Esbjerg.

Lars Purlund has more than 30 years of international experience from the financial industry within portfolio management, leveraged finance and corporate restructurings. Lars holds a Master's degree in International Economics from University of San Diego.

Christian is VP, Global Account Management of Welltec. His background is an MSc in Geology from the University of Copenhagen. He has more than 30 years of experience from the oil & gas industry and has worked both in the field and in managerial positions around the world.

Sebastian is the CEO of INEOS' oil and gas upstream activities in Scandinavia. He has worked with oil and gas for the past 15 years across various positions in M&A, finance and executive management. He is trained in finance and management from Copenhagen Business School, Wharton School and INSEAD.

John has more than 30 years of experience from the global oil and gas industry and is a key contributor to driving Ramboll's growth within the energy market. Ramboll has approximately 1,800 energy experts in 49 offices in 15 countries around the world.

George has more than 30 years of experience in the upstream oil and gas industry across the value chain both in onshore and offshore businesses. Since he joined Hess in Malaysia in 2006, he has held senior leadership roles in Australia and the United States prior to arriving in Denmark in August 2019. Previously he has worked in the UK, Norway and Indonesia for Marathon, Unocal and Chevron.

Key Achievements 2019

Climate partnership for energy and utilities

Oil Gas Denmark was in the autumn of 2019 invited to join the climate partnership for energy and utilities which was established with the aim of identifying means to reduce the carbon footprint by 70 pct. compared to 1990. The government initiated the partnership process by establishing 13 climate partnerships within different industries including the Partnership for Energy and Utilities, chaired by Henrik Poulsen, CEO Ørsted.

Oil Gas Denmark was on behalf of the oil and gas industry invited to step into the Partnership for Energy and Utilities. Moreover, Martin Rune Pedersen, Total was invited by Henrik Poulsen to join the Advisory Board for the Climate Partnership. Within a compact process, the oil and gas industry agreed on a number of initiatives which could deliver a significant reduction of CO2 emissions from oil and gas production from the North Sea.

The initiatives included among other a partly electrification of the installations by establishing windmills close to the platforms or power from shore, rationalization of the infrastructure and further energy efficiency initiatives as well as certain initiatives within Carbon Capture and Storage (CCS). In the long-term perspective, the industry submitted proposals for an alternative use of the installations in a Power-to-X, and potential alternative use of pipelines and facilities e.g. for transport of hydrogen.

The contribution from Oil Gas Denmark was submitted to the Climate Partnership secretariat by the end of 2019.

The final report was submitted by the Climate Partnership, signed by Henrik Poulsen and the Advisory Board to the government in the spring of 2020.



Total - Halfdan

Sector competitiveness

The North Sea Strategy

The main objective of the North Sea Strategy, published in 2017, was to increase the potential of the North Sea, mainly through exploration and technology development, and to reduce barriers preventing fulfilling the North Sea's potential, mainly through optimized use of infrastructure, reduction of cost and securing a qualified work force. The aspirations of the Strategy were translated into a total of 25 projects to enable the objectives to become reality. All of the projects have during 2019 been implemented.

Technology and Innovation

Collaboration with regard to technology and innovation is becoming increasingly important, and therefore a Technical Committee has been established following the North Sea Strategy. At the same time, attention to decommissioning activities was identified as an area of increasing importance for the industry. Therefore, a Decommissioning Committee drawing on expertise from decommissioning specialists has been established.

8th Licensing Round

The 8th Licensing Round was opened in June 2018 with a bidding deadline of 1 February 2019. Five applications for licenses to exploration for oil and gas were received by the Danish Energy Agency. The areas offered for licensing comprised unlicensed areas in the Central Graben and adjacent areas west of 6° 15' E. When the Danish Energy Agency has finalized the processing of the applications, the Minister for Climate, Energy and Utilities is expected to forward a statement on the intended license awards to the Climate, Energy and Utilities Committee in the Danish Parliament in accordance with the provisions in the Danish Subsoil Act. It was expected that the process would be finalized in the summer of 2019 but due to a general election in Denmark and political debate on whether Denmark should grant licenses potentially leading to oil and gas production succeeding 2050, the process has been put on hold by the minister.

Health Safety and Environment (HSE)

HSE industry collaboration in Denmark is organised in Oil Gas Denmark.

Oil Gas Denmark's overall aim of its work with health, safety and the environment is to address changing risk and to work for establishing a resilient mindset to prevent predictable distractions across the entire oil and gas industry. It is a constant goal to ensure the industry remains committed to the vision of being injury free, as this remains the industry's license to operate.

HSE Committee

In 2019, the strategic focus for the Oil Gas Denmark HSE Committee has been to raise best practice by continuing knowledge sharing across the industry, provide high quality safety training (OPITO) and to improve collaboration in the industry and alignment to strengthen the dialogue with stakeholders. The Committee has in 2019 gained a more strategic focus on establishing a common voice for the industry towards regulatory issues and have established ad hoc work groups in that respect. Standards for lifeboats and a common understanding of onshore emergency preparedness are still priorities in the industry. The HSE Committee has throughout the year and as a direct result been concentrating on fewer subjects but with a more substantial effort.

HS Subcommittee

Collaboration in handling of operational H&S issues and initiatives are essential to reach a common understanding of which directions to follow towards a safe working environment. Member companies including both oil companies, supplier and service companies are gathering to find common solutions to practical, legal and cultural challenges by aligning with a common approach across the industry. The philosophy is that the more alignment, the more common understanding, the safer work environment will be achieved. Focus is on increasing collaboration by sharing knowledge and lessons learned and

finding solutions to common issues by working together. Relevant safety issues are identified, and workgroups are established with representatives from relevant stakeholders to find common solutions for the industry. The workgroups can be both permanent workgroups and ad hoc workgroups according to the issue or subject to be dealt with.

Safety Training Workgroup

Having overtaken the responsibility of the basic safety training for offshore personnel on the Danish continental shelf from the Danish Work Environment Authorities, Oil Gas Denmark established a Safety Training Workgroup in which oil and gas operators, union representatives and training providers are represented. The workgroup is permanent and ongoing, dealing with and evaluating on all changes in standards and seeking to find best practice for the whole industry, notably under OPITO.

Training Evaluation Workgroup

The Safety Training Workgroup has established a Training Evaluation Group. It is the task for this Evaluation Group to secure an annual verification of the quality of the training, the compliance with the standards and the quality provided from the training providers. The Training Evaluation Group which is constituted by representatives from oil and gas operators and union representatives has conducted a verification tour to all OPITO approved training providers with a satisfactory result, including suggestions for further improvements.

Helicopter Safe Transport Workgroup

The industry's helicopter resources are constantly meeting new challenges from regulations, innovations, and influencing factors from other various industries and 2019 was no exemption. Implementations of new regulations from the European Union Aviation Safety Agency, such as e.g. regulation regarding equipment, procedures regarding pre-flight briefings etc. have been handled by the Helicopter Safe Transport Workgroup in collaboration between oil and gas operators, helicopter operators and the Danish Transport, Construction and Housing Authority. The workgroup has an ongoing dialogue with the



authorities, focusing on air traffic in general, exchanging lessons learned and finding solutions for best practice on various operational levels.

Lessons Learned

On Oil Gas Denmark's website, Lessons Learned which are shared between Oil Gas Denmark's members, can be found. By sharing knowledge and learnings from incidents and being open about safety alerts, this tool can help in avoiding repetition of incidents. Everyone in the industry is encouraged to share own experiences with incidents to support knowledge and learnings.

Emergency Preparedness Workgroup

The workgroup has worked with mapping emergency management resources available on the Danish continental shelf and has worked towards a common understanding of what can be expected from the national emergency preparedness organisations such as the police, JRCC (Joint Rescue Coordination Center), authorities etc., and at the same time what these organisation expect from the individuals in the industry. All this has until now been with focus on 2nd and 3rd line emergency management.

Environmental Subcommittee

The collaboration around the Oil Gas Denmark Environmental Subcommittee has ever since the establishment of Oil Gas Denmark been focused on environmental regulatory requirements from the EU, from OSPAR, from national implementation in Danish regulations and from specific national environmental regulation. The collaboration has with authorities and other stakeholders been an important focus area to secure the best possible compliance to secure the least possible environmental and climate footprint from the oil and gas industry.

Climate and energy efficiency

The Environmental Subcommittee was in 2019 tasked to outline previous action taken on energy efficiency and identify potential areas for a new action plan. This work was initiated as a result of Nordsøaftalen from March 2017, creating the possibility for the redevelopment of the Tyra field. In this agreement, the Danish Energy Agency was required to initiate an evaluation of the previous action plans with the overall aim to identify areas and barriers for further energy efficiency actions going forward. The work around energy efficiency resulted in an outline of three topics which could be elements in reducing the industries' environmental footprint further. Main objectives in this work included continuous effort to reduce fuel and flare. Reduction of total emission to air including supporting industry (e.g. vessels and helicopter) and stabilization of the operations offshore as un-planned shut-downs increase emissions significantly. After the new government took over, the climate law and the initiatives from the work around energy efficiency were carried into the pool of initiatives for the climate partnership on energy and utilities.

Marine Environmental Monitoring and eDNA

The Danish operators are regularly performing surveys to support the evaluation of the environmental status around the oil and gas installation. In 2019 reporting to the Danish Environmental Protection Agency (DEPA) of the latest environmental seabed monitoring programme (sampling in 2018) was finalised. Work is still ongoing to develop a methodology on eDNA (environmental DNA) with the aim of making sampling more efficient and results more reliable in the future.

Water column monitoring

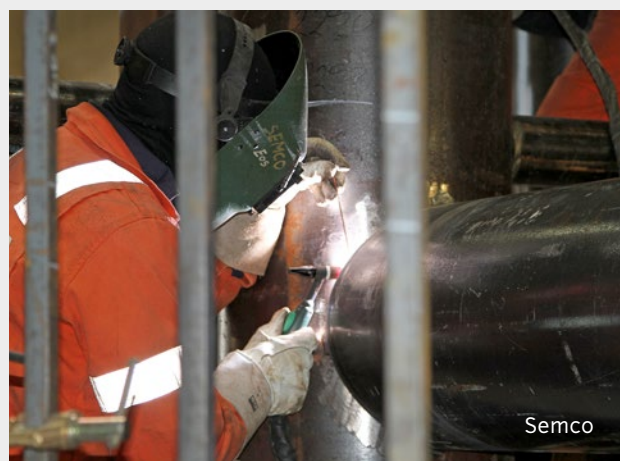
In 2019 the Environmental Subcommittee initiated a collaboration with DEPA and consultant DHI to define a scope for a water column monitoring, which is a new OSPAR requirement aiming at documenting the biological effects in the water column of discharges from oil and gas activities. A pilot test for the water column monitoring will be conducted in 2020 around Dan F and the full water column monitoring programme will be completed in 2021. As with the seabed monitoring, water column monitoring will take place every third year.

Change of discharge executive order

Danish environmental legislation requires annual or biannual permits covering discharges and legal requirement connected to all activities. In 2019 it was agreed with the Danish Energy Agency that a new discharge executive order should be developed. Firstly, because the existing order was outdated and secondly due to a political media case around a misclassification of chemicals discharged partly due to an insufficient discharge executive order. The Environmental Committee contributed with a range of suggestions to improve the order.



Photo Courtesy of Hess Corporation



Skills and Capabilities

Investigation of offshore oil and gas industry's potential impacts on the North Sea marine environment

As a result of the so called Scavtreat case in which the chemical H₂S Scavenger has been used without a needed approval, the Minister for Environment commissioned an independent report to investigate how the oil and gas industry potentially impacts the marine environment. The report will be commissioned by the Ministry of Environment. Oil Gas Denmark will along with the fishermen's organisation and green NGO's take part in the sounding board at arm's length.

Use of dispersants in Danish waters

Part of the industry's emergency preparedness effectiveness is linked to the possibility of using dispersants in case of a larger oil spill. Similar initiatives exist in other North Sea countries. The industry is in collaboration with authorities working on defining a number of predefined scenarios under which dispersants could be authorized for use in Danish North Sea waters, in case of a spill.

NORM waste handling and permanent disposal

An ongoing activity within the environmental areas is handling of NORM waste. The issue around NORM consists of a number of different and complex issues related to how NORM is contained in facilities on a temporary basis and how a permanent solution for disposal of the NORM waste can be established. The effort within this area is to a high degree focused on establishing an oversight on the regulatory barriers at national and international level which should serve as a basis for identifying solutions for a permanent disposal in Denmark or abroad.

Skills and Capabilities Committee

During 2019 the Committee has renewed its scope and activities following a request at the AGM 2018. In 2019 part of the Committee's scope was engagement in the following:

- With the renewed scope, the Committee made an agreement with the Danish Agency for Labour Market and Recruitment - an agency under the Ministry of Employment - on behalf of OGD and the trade unions Danish Metal Workers, 3F and Danish Union for Electricians. The agreement includes help from the Danish job centers to recruit across the entire country and full financial coverage for the training needed according to well defined job positions. The project is implemented and has shown itself useful during the COVID-19 crisis, where quite many companies use the agreement to upgrade their workforce and also, people who have been laid off are offered upgrading by the job centers in case they turn back to the offshore sector.
- Geoscience in upper secondary high school – a project in collaboration with the Ministry of Education and initiated in 2018 aiming at giving a more qualified and authentic input to the subject regarding the geology part. The Committee has continued this initiative.



Technology and Innovation

Technical Committee

Main priorities:

- Sustainable and Cost-Efficient Technologies
- Transfer of technologies from research or development to deployment
- Promotion of the Danish license area
- Cost saving aspects of activity response in the industry
- Energy efficient operations
- Electrification of the North Sea platforms
- Environmental Performance - GHG emissions & discharges
- CCUS and Power Conversion, including research in CCS, CO₂ EOR, power-to-gas technologies and hydrogen storage and transportation

The Technical Committee secured input to the Energy Climate Partnership.

The Technical Committee has further taken the role to provide strategic direction with regard to oil and gas technologies for the Energy Innovation Cluster.

Decommissioning Committee

The Decommissioning Committee has been engaging the Danish Energy Agency in constructive discussions regarding shortcomings in the existing Guideline for Decommissioning. In view of the fact that the preparatory work for the Energy Climate Partnership revealed the probability that some facilities and pipelines might be re-used for alternative purposes following cessation of oil or gas production, some of the requirements in the existing

guideline were found to not be necessarily appropriate. The Decommissioning Committee is cooperating with similar committees or departments in Oil Gas Denmark's sister organisations in Norway, the UK and the Netherlands. A significant amount of information exchange takes place, which is quite beneficial for Oil Gas Denmark's members, as decommissioning activities in the other countries have taken place for a longer time than is the case in Denmark.

As an example, this informal pan-North Sea decommissioning work group has been engaging in analysis and evaluation of a proposal by the North Sea Offshore Authorities Forum (NSOAF) to develop a common code of practice for permanent abandonment of wells. Oil Gas Denmark is supportive of this proposal.

A further example of the cooperation is the engagement with respective OSPAR representatives in the individual countries to convey industry messages regarding a proposal to develop a common comparative assessment methodology for application across the OSPAR maritime area.

A highlight of the Committee's activities in 2019 was the Decommissioning Forum held in Esbjerg in October. The Forum attracted a large number of participants, in particular from the supply industry. The theme of the forum was "Facilities and Pipelines Decommissioning". A similar forum will be held in 2020 or early 2021 with a focus on decommissioning of wells.

Communication and External engagement

Communication and public engagement

Oil Gas Denmark's communication and public engagement is aiming at advocating the importance of Danish oil and gas industry in media, the political landscape and among stakeholders in general. This work is supported by Oil Gas Denmark's Communication Committee. The tasks for the Committee also include providing member companies with information on activities along with more general information on news related to the sector.

In 2019 the level of activity, specifically as regards stakeholder engagement, has increased considerably. This is due to considerations, that if the industry is not to be perceived as contradictory to the energy transition, it must engage transparently in the public and political debate.

In line with the above, the Committee during 2019 established the narrative "Green Transition – Our Shared Responsibility". The narrative presents, in a fact based and coherent way, how the oil industry is supporting Danish and international climate goals and how the industry represents a major contribution to Danish society. The narrative has been very useful as a presentation of the industry among stakeholders. With the oil and gas industry in the middle of the climate debate, it has more than ever been essential to be perceived as a serious climate partner and not an opponent.

Legal & Regulatory Affairs

The Legal Committee assists Oil Gas Denmark's secretariat with public consultations, communicates Oil Gas Denmark's position on key legal issues, raises legal issues of common interest with the authorities or other relevant stakeholders. The Legal Committee is a standing Committee which supports in legal areas whenever needed, including securing that all public hearings are screened and all member companies for whom a public hearing could be considered relevant, are included.

Partnering and recognition

As part of Oil Gas Denmark's vision, the aim is to represent the oil and gas industry toward the government, Danish Parliament and regional/local authorities.

On a continuous basis, Oil Gas Denmark is engaging in formal and informal dialogues to present sector views and establish a long-lasting value proposition.

Oil Gas Denmark has in a number of organisations and forums been invited to take seat as the representative of the Danish oil and gas industry. Official Oil Gas Denmark seats include among other:

- Offshore Safety Council
- Advisory Board at SCIENCE, University of Copenhagen
- Advisory Board at CMSS, University of Southern Denmark
- IOGP's EU Committee
- IOGP's Safety Committee

- IOGP's Communications Committee
- NOIA's CEO Forum
- NOIA Training Workgroup
- Advisory Board – Geoscience University of Copenhagen
- Dialogue Forum – Collaboration with universities and industry
- The Board of Directors of The Danish National Committee under World Petroleum Council
- Board at Energy Innovation Cluster
- The Board of Directors at GEUS

Publications

Oil Gas Denmark Annual Magazine

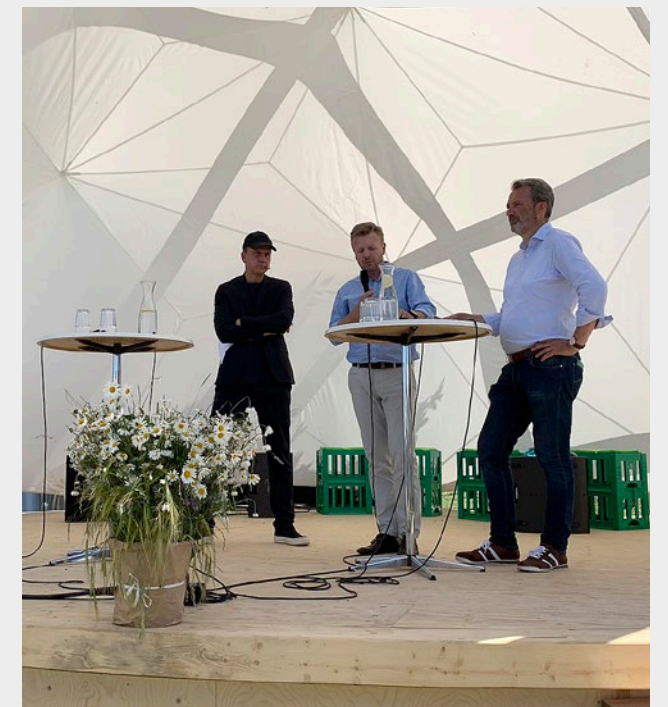
The 2019 edition of Oil Gas Denmark's annual magazine was published 23 October. This year's theme was the oil and gas industry's role in the green transition, reflected in the title "Green Transition – Our Shared Responsibility". Among other, the magazine presented an interview with the researcher behind the Stanford study, article discussing the benefits of gas versus coal and an interview with Minister for Climate, Energy and Utilities, Dan Jørgensen.

Green Transition – Our Shared Responsibility

Green Transition – Our Shared Responsibility is a publication presenting the industry's key narrative. The publication is presenting fact based core arguments for the oil and gas industry and has throughout the year been used for communication and public engagement purposes.



All publications can be found at
Oil Gas Denmark's website
www.oilgasdenmark.dk



Folkemøde 2019

For the third time, Oil Gas Denmark took part in Energi- og Klimascenen at Folkemødet. As part of the organising committee, Oil Gas Denmark arranged three events with relevance for the oil and gas industry. The first one was named "is gas green or black" and focused on the role for natural gas from the North Sea and its role in the green transition. This debate highlighted that gas will be an important part of the energy mix for many years to come, why green gas and natural gas should be complimentary and finally what the value of security of supply is for the users. Participants in this debate were representatives from the gas value chain including Total, Nature Energy, HMN Gasnet (EVIDA), Energinet.dk and Arla Foods.

Also, Oil Gas Denmark organised two debates on whether energy politics increasingly is becoming security politics. These debates were divided into two segments. One was a high-level discussion on energy and security and included among others Lea Wermelin, Theresa Scavenius, Nasser Khader and Trine Villumsen Berling. The debate was moderated by Lars Bangert Struve. The second part of the debate was focusing on how Danish self-sufficiency with oil and gas can be a position of strength. In this debate representatives among others from Oil Gas Denmark and Dansk Energi participated.



International engagement

IOGP

Oil Gas Denmark is collaborating with IOGP (International Oil and Gas Producers) as the voice of the Danish oil and gas sector in EU. Oil Gas Denmark is an active member of IOGP and has taken seat in the EU Committee and the Safety Committee. By taking active part in IOGP, Oil Gas Denmark is facilitating that the Danish oil and gas sector views are considered and served in the best possible way.

IOGP is located in London with a representative office in Brussels.

IOGP's EU Committee

Oil Gas Denmark has through the EU Committee represented its members' interests on an ongoing basis and has enabled Oil Gas Denmark to establish official Danish positions within the EU political framework.

IOGP Safety Committee

Twice a year, IOGP Safety Committee conducts meetings with HSE representatives from the oil and gas upstream operators from all over the world and Oil Gas Denmark is very much engaged. By active participation, Oil Gas Denmark has achieved influence, knowledge, lessons learned and has been an active part of initiating new IOGP HSE collaborations. Oil Gas Denmark has benefited by having a direct influence on the development of e.g. guidelines as well as having easy access to existing guidelines. IOGP

has also proved to be an inspiring forum in which contact to relevant stakeholders in the international HSE matters constantly are being established and maintained.

IOGP's Communications Committee

Oil Gas Denmark's participation in the IOGP Communications Committee serves the purpose of working towards alignment of key messages. The oil and gas industry is transnational and to a high degree dependent on EU politics and therefore coinciding messages are to some extent necessary.

Bilateral collaboration around the North Sea

Collaboration and engagement is ongoing among the other oil and gas industry organisations around the North Sea, including Oil & Gas UK, Norwegian Oil & Gas and NOGEPa.

NOIA (National Oil Industry Association)

The NOIA forum is a forum in which national industry organisations meet on a continuous basis to discuss issues of common interest. The ambition by having this collaboration is to share and align views around EU matters, energy transition and general regulatory issues. The fo-

rum is facilitated by the members of the NOIAs. This forum is also used to address and discuss how to strengthen the voice of the industry in the EU following UK leaving the EU.

BREXIT

Oil Gas Denmark's work with BREXIT mitigation has been continuously discussed with the Danish government, North Sea NOIAs and IOGP. As the agreement between EU and UK was pending an approval in the British Parliament, the preparations for UK leaving were very much pending whether the agreement was approved by the parliament, which eventually would postpone the leave or make UK leave the EU in a so called hard Brexit. Following the general election in UK in 2019, the Brexit deal was approved and now awaits trade agreements to be concluded.

NOIA Safety Training Committee

All the North Sea countries have recognized the benefits in having a mutual recognition of safety courses between the continental shelves. It is especially beneficial for the supplier companies and organisations as they can send their employees out on offshore installations wherever on the North Sea, using only one course certificate.

NOIA Safety Training Committee is constantly working on alignment of safety training standards and evaluating which requirements to be complied with, prior going offshore the North Sea continental shelves. There is a constant



focus on ensuring that training in the various North Sea countries is both safe and effective. The NOIA Training Committee is reviewing a mutual recognition scheme of safety training courses between the North Sea countries once a year or when required and an updated scheme can always be found on Oil Gas Denmark's homepage.

Recent relevant developments related to e.g. equipment and legislation are also dealt with.



Network, Meetings and Conferences

Oil & Gas Summit

The North Sea oil and gas production has allowed Denmark to stay self-sufficient and will for years to come continue to benefit the Danish society from the resulting tax revenues, jobs and independence of energy imports.

A strong concern on the evolving climate changes, the need to act and implement solutions to limit and mitigate changes, is challenging society and industry on how to adapt into a low carbon environment. This was the boundary conditions for the Oil & Gas Summit which for

the first time addressed how the oil and gas industry will be delivering compelling solutions for upholding a sustainable business in this context of the green transition and at the same time meet the need for energy and natural resources to citizens, societies and industries.

Almost 250 delegates attended the Summit in 2019 of which 50 pct. were from the government administration or external stakeholders, politicians and green NGO's.



Oil & Gas Summit 2019

TFZ Safety Conference

450 representatives from oil and gas producers, suppliers, people from other industries, government officials and students attended the annual TFZ Offshore Safety Conference at the Esbjerg Performing Arts Centre.

The frame in 2019 for the conference was the still more challenging business environment, and how the surviving and thriving businesses need to become better, leaner and cheaper. This has been a consistent message throughout the history of the oil and gas industry and has become even more amplified in the continuing unstable oil price environment. But how does the industry at the same time continue becoming safer.

At the conference speakers addressed how a sharp focus on cost and efficiency can appear to make other aspects of performance less important, including safety. The line-up in 2019 included speakers, among others, Charlie Morecraft with a compelling story Remember Charlie, pro-

fessor Andrew Hopkins shared views on how structures create culture, Jean Pariès talked about how the industry can deal with the challenges of the unexpected and made the 2019 edition of the safety conference spectacular together with a large number of high level speakers and panelists from the Danish oil and gas industry.

Offshore Safety Award

The industry wants to support and underpin the importance of good safety visions and to reward examples of outstanding safety behaviour by presenting an Offshore Safety Award to a person or an organisation/company, who has shown an extraordinary safety act or performance. In 2019, Gert Møller Nielsen was appointed to receive the Offshore Safety Award for having taken safety initiatives that involve the entire supply chain and for giving a clear example of safety cooperation across the oil and gas industry by recognizing that logistics issues are often overseen due to focus on offshore activities.



Offshore Safety Award 2019



Oil Gas Denmark HSE Network group

Oil Gas Denmark's Annual Dinner

Following the Annual General Meeting, Oil Gas Denmark's Annual Dinner took place at Sinatur Hotel in Nyborg. More than 70 executives representing a large majority of Oil Gas Denmark's members participated as well as a significant number of representatives from the government administration and external key stakeholders.

Dinner speaker Christian Ørsted, author of bestselling book 'Lethal Leadership', spoke about myths of modern management and how to change focus from short-term solutions to sustainable management that ensures long-term productivity.

The Annual Dinner yet again proved to be an excellent networking opportunity for the industry as well as invited guests. The dinner is for member executives in the oil and gas industry and special invited guests.

While working with HSE either alone or in a team on a daily basis, there is a risk that the HSE work might get stuck in the old systems and processes. In relation to HSE it is important always to look for new ways to develop, implement and communicate new initiatives to improve the safety on the workplaces. The Oil Gas Denmark HSE Network group is a forum in which HSE personnel from the whole industry can be inspired and strengthen collaboration with colleagues from other Oil Gas Denmark member companies. The HSE Network Group learns about colleagues' approach to challenges and share experiences and learnings related to their daily HSE work. The Oil Gas Denmark HSE Network Group organises meetings in which they network, discuss various HSE related issues. The HSE Network Group also has the pleasure of having inspiring external guest speakers. There are presently more than 120 members of the Oil Gas Denmark HSE Network Group.

Office HSE Network group

One could think that all incidents and accidents happen offshore but that is not the fact. Unfortunately, some of the safety issues are also registered on the shore-based functions in the industry. Therefore, the initiative to establish an Office HSE Group was taken by office employees among members who work with work environment in offices daily, e.g. work environment representatives. The idea with the Office HSE Network Group is to strengthen collaboration and to share experiences and solutions to challenges among onshore office workers in the industry and to have a network for personnel who are working with work environment for office staff.

Breakfast Briefing

During 2019 Oil Gas Denmark further developed the concept of "Breakfast Briefing" where relevant industry related topics are discussed, and participants can network. The first topic was Brexit and its implications for the industry. The guest speaker was Claus Grube, former Danish ambassador to the UK, who gave his take on the implications for Denmark and Danish businesses.

Political debate

Oil Gas Denmark and Business Esbjerg invited members to attend a political debate on regional development and the energy sector's role as an engine for growth. Jesper Frost Rasmussen, mayor of Esbjerg set the scene by giving a brief status of the region where after Kristian Thulesen Dahl (DF), Ulla Tørnæs (V) and Benny Engelbrecht (S) shared their perspectives in a lively debate.



Video Archive

Conference proceedings and videos from the safety conference and Oil & Gas Summit can be found on Oil Gas Denmark's Youtube channel.

Key Oil Gas Denmark events 2019

Joint Council Meetings

(16 January, Esbjerg)

Political debate with Kristian Thulesen Dahl (DF), Benny Engelbrecht (S) og Ulla Tørnæs (V) Regional development and the energy sector's role as an engine for growth

(30 April, Esbjerg)

Task Force Zero Safety Conference – 'Leading Safety – Better, Leaner, Cheaper....and SAFER!'

(2 May, Esbjerg)

Office HSE Group meeting

– 'Prevention of Stress'

(14 January, Esbjerg)

"Folkemøde Bornholm"

(13 – 15 June, Bornholm)

HSE Network Group meeting

– 'Process Safety'

(17 June, Esbjerg)

Annual General Meeting, Council meetings and Annual Dinner

(18 June, Nyborg)

HSE Network Group meeting – 'An exciting medical life between experimental animals and the Air Force'

(23 September, Esbjerg)

Oil & Gas Summit – 'The Green Transition – our shared responsibility'

(23 October, Copenhagen)

Office HSE Group meeting – 'Nudging'

(29 October, Esbjerg)

Current members

Service and Supplier Companies

- ABB A/S
- ALL NRG A/S
- AMU-Vest
- ARBEJDSMILJØEksperten
- Bech-Bruun
- Bel Air Aviation A/S
- Bjarne Nielsen A/S
- Blue Water Shipping A/S
- BOPA Law
- Bureau Veritas Certification
- Caverion A/S
- Center for Olie & Gas, DTU (DHRTC)
- Citizen Dane A/S
- Comtec International A/S
- Copco A/S
- COWI A/S
- Danish Oil Pipe A/S
- Danske Bank, Finanscenter Sydjylland
- DHL Global Forwarding (Danmark A/S)
- DNV GL
- DTI Oil & Gas
- Emerson Process Management A/S
- Ernst & Young
- Esbjerg Havn
- Foga ApS
- FORCE Technology
- Global Gravity ApS
- Halliburton Denmark A/S
- Horten Advokatpartnerselskab
- HYTOR A/S
- Jutlandia A/S
- KLAR Advokater
- KPMG 2014 P/S
- Kromann Reumert
- Lisbeth Holberg ApS
- Lubbers Denmark ApS
- Maersk Drilling
- Maersk H2S Safety Services A/S
- Maersk Training A/S
- Martec
- Muehlhan A/S
- NHV Denmark A/S
- NorSea Group Denmark
- Ocean Team Scandinavia

- OSM Denmark ApS
- Plesner
- PwC
- Ramboll Energy
- RelyOn Nutech
- Schlumberger Danmark A/S
- Semco Maritime A/S
- SignConcept ApS
- Soil Recovery A/S
- SOS International A/S
- Swagelok Danmark
- TS Tech A/S
- Weatherford Danmark A/S
- Welltec A/S
- Windahl Sandroos & Co.
- Wärtsilä Danmark A/S

Oil Companies, Partners and License Holders

- Danoil Exploration A/S
- HESS Denmark
- INEOS Oil & Gas Denmark
- Neptune Energy Denmark ApS
- Nordsøfonden
- NORECO Oil Denmark A/S
- Spirit Energy
- TOTAL E&P Danmark A/S
- Wintershall DEA
- Wintershall Noordzee B.V

Associated members/ associations

- Business Esbjerg
- Danish Oil & Gas Technology Group
- Dansk-Tysk Handelskammer
- Decom North Sea
- Energy Innovation Cluster
- IADC
- IPIECA



Committee, Subcommittee and Workgroup members

Committee Chairman

HSE Committee

- **Gerald-Lloyd Kloski, Total**
- Lars Roesen, Hess
- Frits van der Wilt, Wintershall
- Lone Karlsmose Gamble, Maersk Drilling
- Urs Mohn, Noreco
- Ole Dalgaard, INEOS
- Toralf Kaland, Spirit Energy

Environmental Subcommittee

- **Malene Rahbek, INEOS**
- Matthieu Povidis-Delefosse, Total
- Harald Fosshagen, Schlumberger
- Jens R. Valeur, Rambøll
- Jesper N. Mellemolle, NOV Brandt
- Soil Recovery
- Lars Roesen, Hess
- Lene Kristensen, COWI

TFZ Programme Committee

- **Ole Dalgaard, INEOS**
- Gerald-Lloyd Kloski, Total
- Erik Roesen Larsen, Maersk Drilling
- Alan Palmer, JMJ Associate Ltd.
- Michael Levin, JMJ Associate Ltd.

HS Subcommittee

- **Andrew Fenn, Chairman, Total**
- Stefan Reib, Hess
- Dorthe Ulsø, Semco Maritime
- Frede Loll Pedersen, INEOS
- Per Hjort Lorenzen, NorSea Group

Safety Training Workgroup

- **Hans Ole Ebbesen, Total**
- Stieg Hass Lindahl, INEOS
- Stefan Reib, Hess
- Ole Dam Pedersen, Maersk Training
- Sonnich Berg Nielsen, Maersk Training
- Jesper Jonø, RelyOn Nutec
- Kenneth Ørum Kirkegaard, Martec
- Torben Pedersen, AMU Vest
- Lene Christiansen, Dansk el-forbund
- Michael Jørgensen, CO-industri
- Jan Toft Rasmussen, Dansk Metal

Helicopter Safe Transport Workgroup

- Allan Bech, NHV
- Christian Kargaard Jensen, Total
- Dan Lockdahl, INEOS
- Graham Rob, BelAir
- Jesper Schmidt-Hansen, Total
- Peter Eriksen, INEOS
- Pernille Beck, Hess
- Peter Hindsberger, INEOS
- Rasmus Rozentals, Total
- Susanne Hessellund, Belair

Office HSE Group

- **Heidi Gaardbo, Chairman, INEOS**
- Dorthe Petersen, Semco Maritime
- Dann Lockdahl, INEOS
- Helen Philbert, Semco Maritime
- Kristoffer Elkjær, INEOS
- Laila Vigen Søndergaard, Semco Maritime
- Linda Engholm Pedersen, Semco Maritime
- Mads Østerby, INEOS
- Maren Find, Rambøll
- Preben Hansen, NorSea Group
- Sanela Bjelevac, Total
- Susanne Ladegaard, Semco Maritime
- Inge Nedergaard Pedersen, Wärtsilä

Communication Committee

- **Siri Højby, Total**
- Peter Hindsberger, INEOS
- Anette Amstrup Riis, (previously DHRTC)
- Lene Tornel, Semco Maritime
- Allan Søndergaard, Noreco

Skills and Capabilities Committee

- **Annette Bjørke, Hess**
- Susanne Isaksen, Total
- Anders Tholstrup Valentin, INEOS
- Anette Rytter, Rambøll
- Tina Flindt, All NRG
- Ole Brian Nielsen, Caverion
- Torben Pedersen, AMU
- Kenneth Bagge Hansen, Muehlhan
- Lasse Møller, Muehlhan
- Maria Bjørkmann, Semco Maritime

Legal Committee

- **Christian Kargaard Jensen, Total**
- **Jacob Federspiel, Welltec**
- Lene B. Frøtlund, Nordsøfonden
- Peter Hindsberger, INEOS
- Søren Hornbæk Svendsen, Horten
- Louise van Wijk, Wintershall
- Allan Søndergaard, Noreco
- Chris Armes, HESS

Decommissioning Committee

- **Karsten Jensen, Total**
- Jesper Byberg, INEOS
- Peter Hindsberger, INEOS
- Yvonne van den Bergh, Wintershall
- Allan Søndergaard, Noreco
- Søren Frederiksen, Nordsøfonden

Technical Committee

- **Ole Hansen, Total, Chairman**
- Eivind Samuelsen, Hess
- Søren Reinhold Poulsen, INEOS
- Torben Nørgaard, Rambøll
- Verner Andersen, Semco Maritime
- Christian Krüger, Welltec
- Glenda Napier, EIC
- Morten Willaing Jeppesen, DHRTC
- Mai Wendorf, GEUS

Further, NORECO, Wintershall and Nordsøfonden have been invited to nominate a member each for the Technical Committee.

Emergency Preparedness Workgroup

- **Nicola Clare Martin, Chairman, Total**
- Frede Loll Pedersen, INEOS
- Hans Vang, Blue Water Shipping A/S
- Lone Gamble Karlsmose, Maersk Drilling
- Mie Truels Hermann, INEOS
- Stefan Reib, Hess

Financial performance 2019

	2018	2019
Income		†. DKK
Members fee	11.157	11.376
Strategy, Events, Conferences and sponsorships	2.392	2.513
Total income	13.549	13.889
Direct cost for Conferences, etc.	(3.182)	(2.941)
Administrative cost	(2.841)	(3.162)
Rent	(427)	(470)
Staff cost	(6.784)	(6.826)
Result before depreciation	315	490
Depreciation and impairment of fixed assets	(6)	(6)
Result before financial items	309	484
Financial expenses	(69)	(76)
Tax	(19)	(45)
Result for the year	221	363
Equity Capital	1.041	1.404

Employees



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