Future Oil & Gas connects business leaders and technology innovators at a high-level conference and exhibition to explore the digitalisation and disruption shaping the oil and gas industry.

2019 Advisory Board

To be fit for the future, oil and gas operators need to rethink the traditional upstream business model, grasp newly available digital technologies, and empower their teams to pursue innovative initiatives to reduce cost, boost performance and increase productivity.

Future Oil & Gas will present practical case studies and provide the opportunity to discuss future developments with companies at the forefront of technological change to build more cost-effective, transparent, digitally dextrous and agile operations.

BY THE END OF THE EVENT YOU WILL KNOW HOW TO:

- Overlay the technologies and initiatives that will generate the highest ROI for your business
- Leverage IoT to build better predictive models, securely and at scale
- Use digital twin technology to better predict asset behaviour and detect faults
- Uncover latent data, and produce real-time insights into remote operations with AI and ML
- Adopt cloud technology to improve how you manage and store your data
- Use mobile devices and wearables to meet and exceed health and safety standards
- Create a secure data environment
- Build a working environment that attracts and retains good people
- Give your people the mindset and the skillsets needed to benefit from digitalisation
- De-man remote offshore structures using AR, VR, drones and 3D visualisation
Speakers

» Rodrigo Becerra Mizuno, Chief Information Officer (Business & Digital Transformation) & Corporate Vice President, Pemex
» Jiac Fok, Chief Innovation, OMV Petrom
» Kate Parker, Senior Project Engineering Consultant, Premier Oil
» James McLean, IT Manager, UK Exploration & Production, ConocoPhillips
» Steffan Lindso, Director of Emerging Technology - Europe, Oceanenergy
» Paul de Leeuw, Director, Robert Gordon University Oil & Gas Institute
» Karim Oseirian, Global Head, Petrofac Training Services
» Jane Ren, CEO, Atomiton
» Malcolm Brown, Head of IT, Ithaca Energy
» Fionn Iversen, Chief Scientist, NORCE
» Hayder Saad, Senior Reliability Expert, Petronas
» Fredrik Tukk, Digital Transformation Architect, Maersk Drilling
» Chris Rivinus, Digital Transformation Programme Lead, Tullow Oil
» Patrick von Pattay, Project Manager, Wintershall 4.0
» Angus Murray, Head of IT, TAQA Europe, TAQA Energy
» Luca Corradi, Director, Innovation Network, The Oil & Gas Technology Centre (OGTC)
» Dr. Satyam Priyadarshy, Chief Data Scientist, Halliburton
» Prashant K. Soni, PhD., Digital Strategist – Operations, Aker BP
» Conall Soraghan, Team Leader, Operations & Maintenance Data Systems Team, ORE Catapult
» Henrik Heggland, Managing Director – NSG Digital, Norsea Group
» Phil Conner, Technical Director, Kellas Midstream
» Evart Hutton, Solution Architect, CNR International
» Ian Phillips, Chief Executive & Chairman - SPE Aberdeen Section, OGIC

» Hatem Ahriz, Course Leader MSc Cyber Security, Robert Gordon University, School of Computing Science & Digital Media
» Ed Evans, Committee Member, BCS Data Management Special Group
» Edmund Knutsen, Product Lifecycle Manager for Digitalization, Siemens Oil & Gas Offshore
» Janet White, Executive Partner, IBM Global Business Services
» Michael Appelby, CEO, CyberSafe
» Brendan Sullivan, CTO / CIO, RigNet
» Lello Souza, Chief Executive Officer, Intelse, a RigNet Company
» Darrell Knight, SVP-Global Accounts, FutureOn Corporation
» Kristian Brakvame, Director Tieto Oil & Gas Operations Support Solutions, Tieto Oil & Gas
» Lars Meloe, Regional Director, Kongsberg Digital
» Ulrich Lonang, Head of Digital Transformation, DEA Deutsche Erdöl AG
» James Woodall, Co-founder and Chief Technology Officer, Intoware
» Nicolas Viane, Technology Director, Barco
» Christopher Humphreys, CEO, The Anfield Group
» Steve Higgon, Managing Director, TAAP
» Gina Craciun, Oil & Gas Director - EMEA/APAC, ServiceMax
» Martin MacRae, Technical Director, Return To Scene
» Mark Carrier, Market Development Director, Oil & Gas, Real-Time Innovations (RTI)
» David Edem, Digital & Information Management Director, Chrysaor E & P Ltd.
» Chris Ullah, BlackBerry Solutions Expert, BlackBerry
» Neil Pickering, Director Asset Management, Bureau Veritas
» Boyd Howell, Director of Sales & Marketing, MODEC
» Caroline Brown, Oil & Gas Industry Director, Microsoft
» Sandra Antonovic, Chief Operating Officer, Reflex Marine Ltd.

Participants in Future Oil & Gas include C-level managers and heads of strategy and technology; oil & gas operators, NOCs; service providers, contractors and related suppliers; technology innovators; investors; consultants and strategic change managers as well as academics, R&D professionals and industry experts.

Whether you are an oil and gas executive, an investor or a service provider facilitating innovation, Future Oil and Gas is the place for you. If your attention is on acquiring technology, information and assets or simply plotting a path back to profitability join us in Aberdeen on 11-12 June.

Future Oil & Gas is a high-level strategic conference to:

- Find out how leading organisations are utilising disruptive technologies to improve their operational efficiency
- Discover the technology enablers for improved profitability
- Network with and learn from leaders and innovators in the oil and gas industry
- Showcase leadership and solutions
- Think strategically about staying at the forefront of a rapidly changing energy industry landscape

Future Oil & Gas Delegate Registration Fee: £1199 + VAT
## Sponsorship packages

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<tr>
<th>Level</th>
<th>Price</th>
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<td>PLATINUM</td>
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<td>Participation in advisory group to design the conference programme</td>
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<td>Priority access to delegate list with contact details two weeks prior to the event</td>
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<td>Two-page article in Oil &amp; Gas Technology magazine &amp; interview on OGT and FOG websites</td>
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<td>Branding as &quot;Gold Sponsor&quot; on website, venue, and conference documentation</td>
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<td>Interview for OGT and FOG websites</td>
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## Future Oil & Gas Delegate Registration Fee:

- **Gold: £1199 + VAT**
- **Silver: £499 + VAT**

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### What our attendees said

- **Dave Hartell**
  Senior Development Manager
  Premier Oil

  *The conference was really great with technical information and sharing of ideas, solutions, and applications of technologies.*

- **Raahil Burhaani**
  CIO
  Essar Oil (UK) Limited

  *Excellent conference with a great blend of topics. I loved the panels, which encouraged open dialogue. Time well invested.*

- **Dr. Caroline Chibelushi**
  Knowledge Transfer Manager - Artificial Intelligence
  Knowledge Transfer Network

  *I don’t have anything to fault - I enjoyed the conference from A to Z.*

- **Fionn Iversen**
  Chief Scientist
  NORCE

  *Very good conference for establishing new contacts across the North Sea.*

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**Alexander Burnett, Constituency MSP for Aberdeenshire West**

*Shadow Minister for Business, Innovation and Energy, and Deputy Chief Whip*

*I am delighted to welcome back the 3rd Future Oil & Gas conference and exhibition to Aberdeen. I was pleased to open this important event last year and I note how it continues to go from strength from strength with many industry leading companies confirmed to attend. It is of vital importance that the North Sea industry capitalizes on the resurgence we are seeing particularly by driving efficiencies, harnessing new technologies and learning to collaborate both within the sector and from further afield.*
MAIN CONFERENCE AGENDA: Tuesday 11th June 2019

08:00 REGISTRATION & NETWORKING

08:45 WELCOME ADDRESS

Matthew Astill, CEO, Cavendish Group
Alexander Burnett, MSP for Aberdeenshire West, Shadow Minister for Business, Innovation and Energy

08:55 CHAIR’S OPENING REMARKS

09:00 KEYNOTE: CONTEXTUALISING DIGITAL TECHNOLOGIES WITHIN THE OIL AND GAS BUSINESS MODEL

Janet White, Executive Partner, IBM Global Business Services

09:15 PANEL: USING YOUR DATA, IOT AND THE CLOUD TO DRIVE YOUR OPERATIONS FORWARDS

Gathering high quality data in real-time to enable early detection of incidents, deterioration or deviation from normal operating parameters
Migrating your data from legacy systems into new structures and reporting platforms
Asset-based predictive maintenance and protection - using sensors on operating equipment to monitor and control the condition of your facilities
Choosing the right cloud strategy to store your data, access scalable computer power, reduce your costs, and ensure locational flexibility
IoT use cases that are increasing uptime and operating yields

10:00 PANEL: DESIGNING AND BUILDING A DIGITAL ASSET

What it means to have a digital twin throughout the life of an asset
Project managing a digital twin - 3D modelling and cross-referencing of data, asset visualisation, etc.
Keys to unlocking the business value of digital twin technology

10:50 KEYNOTE: RETHINKING COMMUNICATIONS IN THE OIL & GAS INDUSTRY

Chris Ullah, BlackBerry Solutions Expert, BlackBerry

11:00 REFRESHMENTS & FACILITATED NETWORKING

11:30 KEYNOTE: HOW TO DIGITALLY TRANSFORM: PEMEX CASE STUDY

Rodrigo Becerra Mizuno, Chief Information Officer (Business & Digital Transformation) & Corporate Vice President, Pemex

11:45 PANEL: UTILISING DRONES, VR, AR AND WEARABLES IN O&G

De-manning your offshore facilities
Flying drones beyond the line of sight - overcoming the technical challenges and regulatory restrictions
Gathering data from mobile devices and wearables to ensure employees are fit for work

12:30 LUNCH & NETWORKING

13:50 CASE STUDY: OIL & GAS IN THE GLOBAL ENERGY TRANSITION

Luca Corradi, Director, Innovation Network, The Oil & Gas Technology Centre

14:00 PANEL: GENERATING REAL-TIME INSIGHTS WITH AI, MACHINE LEARNING AND DASHBOARDS

Using dashboards and machine learning to get real-time operational pictures and rolling forecasts of your remote facilities
Applying AI to the workstreams where you have the most data / your most costly and high-risk problems (seismic data, supply chain, etc.)
Using AI to bring latent, hidden and unstructured knowledge to your fingertips
Training your people to use AI effectively
Using AI for advanced process control, to squeeze value out of existing operations

14:45 CASE STUDY

14:55 REFRESHMENTS & NETWORKING – SPONSORED BY MODEC

15:25 CASE STUDY: REDUCING OPEX AND INCREASING PERFORMANCE THROUGH DIGITALISATION

Chris Rivinus, Digital Transformation Programme Lead, Tuflow Oil

15:40 PANEL: PROTECTING YOUR LEGACY SYSTEMS AGAINST CYBER THREATS

Reconciling the different cultures and objectives of IT and OT departments
Selecting the technologies that can create a secure data environment and enable you to react rapidly to cyber threats
Methods for detecting and locking down potential cyber threats before they escalate
Embracing military / defence approaches to security - controlling how your data flows between networks with data diodes and data proxies
Equipping your workforce to deal with cyber threats and data breaches

16:25 PANEL: DEFINING AND IMPLEMENTING OPPORTUNITIES FOR NEW VALUE CREATION IN O&G

Hear different approaches to implementing opportunities for value creation and maximising value from your assets

17:10 PRESENTATION BY MODEC

17:25 PANEL: FUTURE FPSO sponsored by MODEC

Embracing digitalisation and technology for improved FPSO cost management
Advances in Safety Culture and the impact on FPSO design
FPSO digital transformation - What cultural and organisational changes are needed
The impact of IoT, digital twin and digital solutions in optimising construction and maintenance of FPSOs
The shift from vertical to virtual integration - analysis of the supply chain on FPSO projects

17:55 CLOSING REMARKS: Adam Soroka, Managing Director, Cavendish Goup

18:00 DRINKS RECEPTION AND BUFFET DINNER

Wednesday 12th June 2019

08:30 REFRESHMENTS & NETWORKING

09:00 KEYNOTE: OIL & GAS INDUSTRY 4.0 – THE LONG GAME WITH QUICK WINS FOR TRUE DIGITAL TRANSFORMATION

Dr. Satyam Priyadarshy, Chief Data Scientist, Halliburton

09:15 PANEL: OPTIMISING BUSINESS FOR EVERYONE THROUGH GREATER COLLABORATION

How collaboration (both across industry and within organisations) can drive forward projects in an optimal way for everyone
Sharing your data between different sites and silos, to optimise your workflows
Ways to increase collaboration across the wider oil and gas supply chain
Partnering with start-ups, tech providers and universities to facilitate digital projects
Cross-industry communication, to understand the top risks of performing certain tasks
Innovating the procurement model – examining the role of performance-based partnerships in optimising the reliability and performance of equipment

10:15 CASE STUDY: BUILDING A DIGITALLY DEXTROUS COMPANY

Jaco Fok, Chief Innovation, OMV Petrom

10:30 REFRESHMENTS & NETWORKING

11:00 PANEL: REAPING THE REWARDS FROM CROSS SECTOR LEARNING AND INSIGHT

Adopting proven technologies to benefit oil and gas optimisation
The drive for autonomous operations: following in the footsteps of automotive, mining and shipping
Using digitisation to improve regulatory approval and safety: the lessons from pharma and process industries
How gamification can unlock the hidden value of data
Methods for detecting and locking down potential cyber threats before they escalate
Selecting the technologies that can create a secure data environment and enable you to react rapidly to cyber threats
Equipping your workforce to deal with cyber threats and data breaches

11:30 PANEL: CREATING A DIGITAL COMPETENCE WITHIN YOUR ORGANISATION

Getting mindsets and skillsets at the right level to harvest the benefits of digitisation
Establishing a digital academy / adopting agile to transform your business and accelerate innovation
Using design-based thinking to pinpoint which actions will drive the best business impact
Training your existing workforce in data science vs. augmenting their efforts with data science professionals
Innovating the procurement model – examining the role of performance-based partnerships in optimising the reliability and performance of equipment

12:30 LIGHTNING TALKS: DRIVING MEASURABLE, VALUABLE AND ACHIEVABLE CHANGE FOR O&G OPERATORS
## Technology Innovation Showcase

**Introducing Curated, Dynamic Presentations from Technology Experts in the Amphitheatre, Starting after the 11am Refreshment Break on Day One.**

### 11:30 TechX
- **Introducted by:** David Millar, Technology Accelerator Director, The Oil & Gas Technology Centre (OGTC)
- Presentations:
  - Rotimi Alabi, Founder & Managing Director, RAB-Microfluidics
  - Ross McLeod, CEO, Inteblc
  - James Wilkinson, Founder & CEO, Envio
  - Ivan Starostin, Founder and CEO, Tenzor Geo

### 12:30 Lunch & Networking

### 13:30 IBM Presentation

### 14:05 Moving to a More Predictive Mindset
- Successfully combining AI and predictive technologies with ‘human’ domain expertise
- Using operational data to improve business certainty
- Case studies that highlight the value delivered with UKCS operating companies
- **Presented by:** Chris Ayres, COO, OPEX Group

### 14:20 Microsoft Presentation

### 14:35 VR is Establishing Itself as a Key Training Tool for the Oil and Gas Industry, Now the Focus is on Demonstrating ROI Through Analytics and Scalability
- Learning how Virtual Reality is being utilised in the Oil and Gas sector for training and assessment purposes
- Understanding the challenges and considerations when rolling out VR programmes across large enterprises
- Demonstrating ROI from VR Technology
- **Presented by:** Tom Symonds, CEO, Immerse

### 15:25 Electrosonic Ltd Presentation
- **Presented by:** Paul Gallacher, Experiential Technology Consultant, Electrosonic Ltd

### 15:40 Strathclyde University’s Advanced Forming Research Centre
- **Introducted by:** Paul Cantwell, Oil and Gas Knowledge Exchange Fellow, Advanced Forming Research Centre, University of Strathclyde
- Presentations: Four companies from their Technology Innovation Programme

### 16:40 How Digital Twin Increases Efficiency
- Improving organisation and improving costs through digital twin
- Collaboration is the key – a look at production efficiency and energy management
- **Presented by:** Lars Meloe, Regional Director, Kongsberg Digital

### 17:10 The Internet of Things and All That It Brings
- With 46 billion connected devices predicted by 2020, where can the Oil & Gas industry benefit?
- What does this emerging market mean for your cyber teams and what skills will be needed?
- **Presented by:** John Bavester, Senior Territory Business Manager, BlackBerry UK
  - Taj Onigbanjo, Strategic Accounts Manager, BlackBerry UK

### 17:55 Drinks Reception and Buffet Dinner
For sponsorship and delegate enquiries

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