

DEVEX 2024

Organisers



Platinum Sponsors



TECHNICAL PROGRAMME

28-29 MAY, P&J LIVE, ABERDEEN

STEERING THE NET ZERO RACE

For over 20 years, DEVEX has been the only technical conference of its kind to focus on the full E&P project cycle; from exploration, appraisal, development and production, through to CCUS and decommissioning.

Our mission is to secure a reliable future for our next generation by nurturing talent, championing innovation and balancing sustainability to optimize performance.

DEVEX will provide a platform to share innovative ideas, lessons learned and inspire new ways of working to drive increased energy security and sustainability for our industry.

We look forward to welcoming geoscientists, geophysicists, geologists, reservoir engineers, petroleum engineers, all Young Professionals and students to the 21st DEVEX Conference on 28-29 May in Aberdeen!



Two days of technical presentations, masterclasses, networking

600-800 Attendees across 2 days

60/40 Operator attendance split

Cost effective training

Young professionals event

Field trip

Core

CONTACT DETAILS

Email: devex@mearns-gill.com

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Website: [DEVEX 2024](https://www.devex2024.com)

Event Sponsors



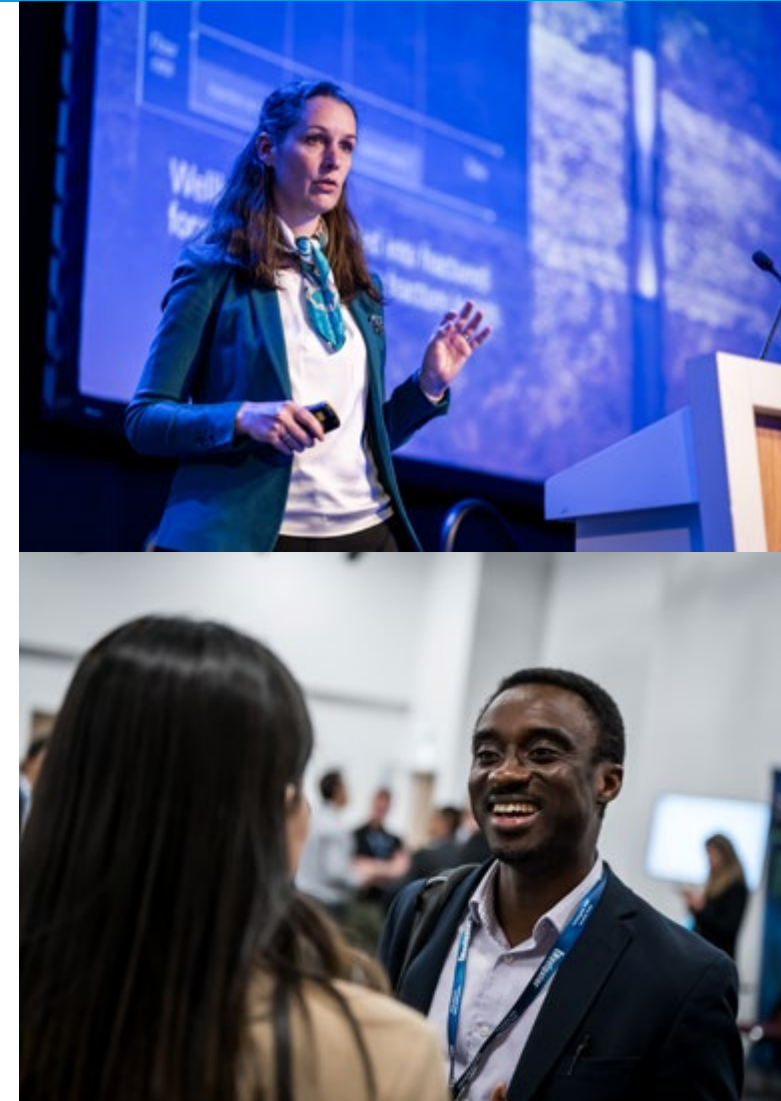
Lanyard & Networking Reception Sponsor



Field Trip Sponsor



Registration Sponsor



08:00	09:00	Registration	
09:00	09:10	Opening Remarks	2024 DEVEX Chair, Brenda Wyllie
09:10	10:10	Keynote Session and Panel Discussion	
10:15	10:45	Coffee Break + Core Display & Exhibition	
10:45	11:10	Panel Session: The power you're supplying It's electrifying!	To flow or not to flow, that is the question - Well-Safe Solutions
11:10	11:35		Observations from two Seismic Monitor Surveys, Mariner UK - Equinor
11:35	12:00		Culzean First Infill Well – Driven by 2G&R Synthesis – Maximize field potential - TotalEnergies
		Techbytes	
12:00	12:05	De-risking Formation Evaluation and Minimising Emissions Using Cable Protection – A Case Study - Gaia Earth/TotalEnergies	Unique Laterals Stimulation Technology for Increased Well's Productivity: Case Histories - Fishbones
12:05	12:10	Cleantech's Paradox: The Need For Oil and Gas in a Sustainable Energy Future - AEON Energy	Next Generation Well Integrity Diagnostics: High Resolution Acoustic Imaging for Downhole Diagnostics - Dark Vision Technologies
12:10	13:10	Lunch + Core Display & Exhibition	
13:10	14:10	Masterclass: Workflow involved in an abandonment SSBOD	Masterclass: Are we fully utilising an easily accessible World Class Geoscience Resource in the Energy Transition? Balgownie Geoscience
14:10	14:35	Incorporating AI Seismic Interpretation into Injectite analysis; Case Studies from the UKCS - Geoteric	Strategic evaluation and ranking of depleted gas fields in the Southern North Sea for conversion into large-scale underground hydrogen storage - Teeside University
14:35	15:00	Fractured Reservoir Rock Modelling: AI-driven Segmentation, Multiscale Pore Network Modelling and Experimental Investigation - University of Aberdeen	Natural hydrogen exploration - leveraging existing skillsets and technologies - RISC Advisory
15:00	15:25	Innovative Technology Integration and Multidisciplinary Collaboration: Advancing Waterflood Field History Matching in the North Sea - CNOOC International	Viking CCS: Transportation and Storage of CO2 into depleted gas reservoirs in the Southern North Sea - Harbour Energy
15:25	16:05	Coffee Break + Core Display & Exhibition	
16:05	16:30	Panel Session: Skills - World Class Opportunities	Implementation of Autonomous Inflow Control (AICD) at the Troll Field on the Norwegian Continental Shelf - Equinor
16:30	16:55		Using Geoseal, a Collapsed Claystone, as part of a Permanent Abandonment Barrier - TAQA UK
16:55	17:20		Innovative Sand Screen technology resolves offshore Nigeria water injection issues - Justus Ngeribara Adumu - Shell Nigeria
17:20	17:45		A Digital Emissions Management Solution for the Energy Sector - Halliburton
17:45	19:00	Networking Reception + Core Display & Exhibition	

Key

- Technical Talks
- Panel Sessions
- Techbytes
- Masterclass
- Young Professionals Event

The organisers reserve the right to amend the programme as necessary. Please visit spe-aberdeen.org for updates on the programme timings or further details.

Young Professionals Event

08:00	09:00	Registration	
09:00	09:25	Panel Session Embracing offshore wind alongside continued hydrocarbon production	The Greater Triton Area, UKCS. Breathing life into a mature asset - Serica Energy
09:25	09:50		N05: Autonomous Production Location; Decision making and optimization in Real Time - ONE-Dyas
09:50	10:15		Pivotree's Innovation in Offshore Oilfield Development: A New Era for Agile Operators in the UK Market Extracting Stranded Reserves - Pivotree Pty Ltd
10:15	10:45	Coffee Break + Core Display & Exhibition	
10:45	11:10	From Exploration to fast-track development: the use of new technology to unlock the Fotla Field Development - Ithaca Energy	Reducing CO2 Emissions and Increasing Recovery at the Captain Field - Energy Research Norway
11:10	11:35	Late life OBN seismic for infill well target screening over the Scott and Telford Fields - CNOOC International	Tolmount Gas Field: Field Start-Up Planning for the Successful use of Multi-Well Deconvolution - Harbour Energy
11:35	12:00	Three's not a crowd - Finlaggan Infill Well - NEO Energy	Improving Water Cut Predictions when drilling and completing infill wells in mature oil fields - a new formation evaluation approach - CNOOC International
		Techbytes	
12:00	12:05	Simultaneous Production Maximization and GHG Emissions Minimization: A New MPFM Application - Expro	Cloud-based Geosteering Simulator to enhance the accuracy of well placement - ROGII
12:05	12:10	Applications of Computational Fluid Dynamics in Carbon Capture and Storage Well Design - Axis	4D seismic spectral decomposition analysis of the Sleipner field, through an innovative lightweight application architecture - Cegal Ltd
12:10	13:00	Lunch + Core Display & Exhibition	
13:00	13:25	Legal Masterclass: Understanding Your Role in Forming and Enforcing Contractual Rights and Obligations vis-à-vis Oilfield Services.	UKCS hubs: extend life, decommission or re-purpose? Westwood Global Energy
13:25	13:50		Lessons learned from undertaking a "Locate the Remaining Oil"(LtRO) workflow on the mature Dunbar field, UKNNS - TotalEnergies
13:50	14:15		Challenges and opportunities associated with step-out developments in the CNS Eocene injectite play – Examples from the Greater Catcher Area - Harbour Energy
14:25	14:50	Upstream E&P Trends in the North Sea and Beyond: Foundations for the Future? Enverus	Development of a Regional Bunter Model for Evaluating CCS - Neptune Energy
14:50	15:15	Coffee Break + Core Display & Exhibition	
15:15	15:40	The Rosebank Field – managing subsurface uncertainties in a complex intra-volcanic reservoir - Equinor	Integrated workflow for near field exploration and CCS site evaluation: a UK Southern North Sea study - PGS
15:40	16:05	Harnessing the Power of OBN Seismic for Field Development in Clair - bp	Shallow aquifer fluid sampling for carbon capture and storage (CCS) - Development of a novel fluid sampling tracer chemical - bp
16:05	16:30	Insights from ultra deep-reading, directional electromagnetic data on a mature waterflood; case studies from the Schiehallion Field, WoS - bp	Progressing Phase 1 at Endurance to support the decarbonization of the UK's East Coast - bp
16:30	16:55	Improved Reservoir Understanding in Mariner Field through Integrated Interpretation of Inflow and Inter-well Tracer Data - Resman Energy Technology / Equinor	Beryl Field Water Injection Strategy – an Integrated Approach to Optimization - Apache
17:00		CLOSING REMARKS	

Key

- Technical Talks
- Panel Sessions
- Techbytes
- Masterclass

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The Power You're Supplying, it's Electrifying! - Day 1, 1045

The North Sea Transition Deal is a sector deal between government and the offshore oil and gas industry, signed in March 2021. By creating the North Sea Transition Deal, the government and the UK's oil and gas sector are ambitiously seeking to tackle the challenges of reaching net zero, while repositioning the UK's capabilities to serve the global energy industry. A key element to deliver the 50% emission reduction target by 2030, it is estimated that between £2-3 billion of investment will be required to allow the completion of at least one or two of the currently identified electrification projects. Pace will be needed to deliver these projects by the required deadlines to meet the timetable of emissions reduction commitments. This will need an alignment of interests and incentives between industry and government and with other energy users of the North Sea. This session aims to have an open and exploratory discussion on the opportunities, pace and delivery of electrification.

Skills: World Class Opportunities - Day 1, 1605

Across the world, in every oil and gas province we hear Scottish accents. The opportunities that the energy sector has provided leads to a vast array of international opportunities. CCS, Hydrogen, Wind sectors all offer these opportunities for us to be the world leaders in these emerging sectors. The same skills that deliver a world class petroleum sector are needed to deliver these emerging sectors. This session looks at early education STEM project providers to through career journeys and the ability to move between technical and nontechnical roles, providing a wide and exciting career journey.

Embracing offshore wind alongside continued hydrocarbon production - Day 2, 0900

Emission reduction is required to meet the governments commitments to net zero. However, energy security encompasses the continued need for energy to ensure the lights stay on and transport keeps moving. In every independent forecast hydrocarbons remain a part of that energy mix beyond 2050. Offshore wind plays a huge role in decarbonising our electricity grid. It is clear the two sectors are required and need to work together to ensure energy demands are met, hydrocarbons are only used where there is no alternative and the spatial planning between both are carefully considered.



For more information and to book, visit
[DEVEX 2024 - SPE Aberdeen \(spe-aberdeen.org\)](https://spe-aberdeen.org)

Masterclasses

We have some excellent training-based talks, known as ‘Masterclasses’ which will take place over the two days. Further information can be found on Pages 2 and 3 of this Technical Programme.

Core

As always, we will have Core on display which will be situated in the catering and exhibition area. Further details of the type of Core will be revealed soon!



Young Professionals Event - Day 1, 13:10

“Early Careers: Fuelling the future of Net Zero.”



Further information will be revealed soon. Places are limited. To book, visit - [The DEVEX Webpage](#)

Networking Reception

Join us for drinks, reconnect with your peers and meet some new contacts! This will take place at the end of Day 1.



DEVEX Field Trip - Thursday 30th May

Deformed & Undeformed Permian Hopeman Sandstone, Moray Firth

This trip will be a full-day excursion to the Moray Coast to study excellent reservoir quality (aeolian dune) sandstones of Permian age and the subsequent degradation of reservoir quality. In particular, the impact of water/air (escape) deformation and later faulting (deformation bands) upon hydrocarbon exploration/development and carbon storage and geothermal projects will be examined.



Fig.1. Preliminary localities. #5 will be visited if time permits.

Spectacular water/air escape structures can be observed above undeformed dune bedding at Covesea Cliffs (Locality 1; Fig. 2). There is also later (tectonic) deformation of the sandstone by faults/deformation bands. These have likely had a bigger impact upon reservoir quality than the water/air escape structures. We will visit the damage zone of the Burghead Fault (Locality 4; Fig. 3) assessing its impact upon fluid flow and how such sub-seismic structures can be predicted in analogous subsurface settings. This is an ideal opportunity to learn about fault sealing/baffling potential for sand/sand juxtapositions with trace amounts of clay. In these situations, widely used industry algorithms such as the shale-gouge ratio (SGR) are of limited value.

The sedimentology and reservoir quality of the undeformed Hopeman Sandstone will be compared to the younger (Triassic) Burghead Beds at Burghead harbour (Locality 3). If time permits, there will be a visit to the Clashach fault and neighbouring quarry which is host to a display of reptile footprints (Locality 5).



Fig. 2. Dune bedding (bottom) deformed upwards by water/air escape structures (Covesea cliffs, Locality 1).



Fig. 3. Left: white coloured deformation bands with pods of undeformed sandstone. Right: Compound zone of deformation bands with fault-like appearance (Cunningston foreshore, Locality 4).

This trip will be led by Steven Ogilvie who is a consultant structural geologist with over 20 years international experience working upstream appraisal, development, and exploration projects. Since 2016, he has been providing structural geology consultancy through Ogilvie Geoscience Ltd.

Bus transport will be provided leaving the Kingswells Park and Ride at 7.30am and returning back at approximately 6.30pm. Lunch at Hopeman Golf Club will be included.

	Early Bird Until 31 March	Delegate Rate After 31 March
Members Day 1	£200	£250
Members Day 2	£200	£250
Non Members Day 1	£250	£300
Non Members Day 2	£250	£300
Members 2 Days	£300	£350
Non-Members 2 Days	£350	£400
Field Trip	£50	£50
Students & Unemployed 1 day*	£35	£35
Students & Unemployed 2 days*	£60	£60

All costs exclude VAT. Ticket prices include parking at the venue.

*Limited tickets available.

Special 'buy 4 get 1 free' rates available.

For more information visit:

Visit: [DEVEX 2024 - SPE Aberdeen](#)

Email: devex@mearns-gill.com

Call: 01224 646311

Buy 1 ticket, invite an Early Career Professional for FREE!

We are offering you the chance to invite an Early Career Professional (≤10 years in industry) to attend the conference for FREE!

For every full price ticket purchased, you may add an additional ticket of the same type for no additional cost. Select your ticket type and you will then be given the chance to add the free ticket option before checkout. This is your chance to support our future generation and inspire knowledge sharing

T's & C's

We define "Early Career Professionals" as those with 10 years' experience or less within the offshore energies industry.

For every full price ticket purchased, you may add an additional ticket of the same type to be used by an early career professional. Offer only valid on full price tickets – this excludes the Student & Unemployed ticket type.



SPONSORSHIP

SPE Aberdeen, GESGB and AFES are not for profit organisations. Raising sponsorship is crucial to help us ensure that DEVEX continues to be an affordable and valuable training opportunity for the industry; to enable us to re-invest back into industry and society and to support our future generation of young engineers and geoscientists.

This is your opportunity to sign up early, take advantage of the early bird sponsorship rates and be a prime example of industry collaboration to deliver a first-class conference for the industry. Any surplus funds get reinvested by each organising society to help support the future of our young engineers and geoscientists.

[View the list of opportunities and benefits on the next page](#)



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SPONSORSHIP BENEFITS

All conference sponsors, depending on package, will receive:

- Free delegate pass(es) on both days
- A place on the technical committee
- Unrivalled branding opportunities, which will include, but will not be limited to, branding on all marketing materials, website, emailers, social media content, branding at the conference on screens and abstracts books. Additional benefits are outlined below.

CONTACT DETAILS

For more information:
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DEVEX 2024 - SPE Aberdeen
(spe-aberdeen.org)

PACKAGE	COST	NUMBER OF PASSES	ADDITIONAL BRANDING
Platinum Sponsor	£5,000	5	Display stand in conference hall
Event Sponsor	£3,000	2	Display stand in conference hall
Lunch Sponsor 2 AVAILABLE	£1,950	1 plus 25% discount on an additional pass	Logo displayed at catering points during lunch
Breakfast Sponsor 2 AVAILABLE	£1,200	1 plus 25% discount on an additional pass	Logo displayed at catering points during breakfast
Coffee Break Sponsor 2 AVAILABLE	£1,200	1 plus 25% discount on an additional pass	Logo displayed at catering points during coffee breaks
Registration Sponsor SOLD	£1,200	1 plus 25% discount on an additional pass	Logo displayed on registration signage
Programme Sponsor 2 AVAILABLE	£1,200	1 plus 25% discount on an additional pass	Recognition on day 1 or day 2 of programme
Lanyard Sponsor SOLD Can be provided in kind by sponsor or sourced at a cost	£1,950	1 plus 25% discount on an additional pass	Logo on lanyard
Young Professional Event Sponsor	£1,950	1 plus 25% discount on an additional pass	Display stand in YP event area
Networking Reception Sponsor SOLD	£1,950	1 plus 25% discount on an additional pass	Display stand during Networking Reception
Field Trip Sponsor SOLD	£1,500	1 pass for Field Trip and 1 pass for the Conference	Logo on any field trip material

*All costs exclude VAT

EXHIBITION

Exhibiting at DEVEX is a cost-effective promotional opportunity. There will be ample opportunities for maximum interaction between exhibitors and delegates during the registration period, coffee breaks, lunch and networking reception.

Space is suitable for a pop-up portable display stand or table top display. A table and x2 chairs will be provided.

BENEFITS

All exhibitors will receive one free conference pass for x2 days, logo and company description in the abstract books.

COST

£1,100 + VAT for 3m x2m (space only)

CONTACT DETAILS

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