

# 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

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## Event Sponsors



## Lanyard & Networking Reception Sponsor

## Field Trip Sponsor



## Registration Sponsor



## Coffee Break Sponsor



08:00	09:00	<b>Registration</b>	
09:00	09:10	<b>Opening Address</b>	2024 DEVEX Chair – Brenda Wyllie
09:10	09:35	<b>Team Building and Resilience – Horseback UK</b>	
09:35	10:10	<b>Keynote by Jenny Stanning, External Relations Director – OEUK</b>	
10:15	10:45	<b>Coffee Break + Core Display &amp; Exhibition</b>	
10:45	11:10	Panel Session: The power you're supplying It's electrifying! Featuring: Frederico Becher – Equinor, Rod Cooper – bp, Audrey Stewart – Harbour Energy Aernout Korevaar – ONE-Dyas Hosted by Jenny Stanning	To flow or not to flow, that is the question - <b>Ruth Thomas – Well-Safe Solutions</b>
11:10	11:35		Observations from two Seismic Monitor Surveys, Mariner UK - <b>Angus MacLellan – Equinor</b>
11:35	12:00		Culzean First Infill Well – Driven by 2G&R Synthesis – Maximize field potential - <b>Stewart Clark – TotalEnergies</b>
		<b>Techbytes</b>	
12:00	12:05	De-risking Formation Evaluation and Minimising Emissions Using Cable Protection – A Case Study - <b>Mike Hanson – Gaia Earth/TotalEnergies</b>	Unique Laterals Stimulation Technology for Increased Well's Productivity: Case Histories - <b>Thomas Jorgensen – Fishbones</b>
12:05	12:10	Evaluation of Autonomous Completions in Dynamic Simulations <b>Ismarullizam Mohd Ismail – InflowControl</b>	Next Generation Well Integrity Diagnostics: High Resolution Acoustic Imaging for Downhole Diagnostics - <b>Vishal Sharma – Dark Vision Technologies</b>
12:10	13:10	<b>Lunch + Core Display &amp; Exhibition</b>	
13:10	14:10	Masterclass: Leave it as you found it? Practicalities of reinstating the full lateral barrier on a field. Subsurface input into real world Well P&A <b>Presented by TAQA, Repsol and Axis Well Technologies   This Masterclass will begin at 1250</b>	Masterclass: Are we fully utilising an easily accessible World Class Geoscience Resource in the Energy Transition? <b>Steve Adams – Balgownie Geoscience</b>
14:10	14:35	Incorporating AI Seismic Interpretation into Injectite analysis; Case Studies from the UKCS - <b>Mark Brownless – Geoteric</b>	Strategic evaluation and ranking of depleted gas fields in the Southern North Sea for conversion into large-scale underground hydrogen storage - <b>Manu Ramegowda, Teeside University</b>
14:35	15:00	Fractured Reservoir Rock Modelling: AI-driven Segmentation, Multiscale Pore Network Modelling and Experimental Investigation - <b>Ciprian Panaitescu – University of Aberdeen</b>	Natural hydrogen exploration - leveraging existing skillsets and technologies - <b>Adam Craig – RISC Advisory</b>
15:00	15:25		Viking CCS: Transportation and Storage of CO2 into depleted gas reservoirs in the Southern North Sea - <b>Nirmal Jethwa – Harbour Energy</b>
15:25	16:05	<b>Coffee Break + Core Display &amp; Exhibition</b>	
16:05	16:30		Implementation of Autonomous Inflow Control (AICD) at the Troll Field on the Norwegian Continental Shelf - <b>Geir Elseth &amp; Lene Amundsen – Equinor</b>
16:30	16:55	Panel Session: Skills - World Class Opportunities Zoe Surren – EnergiLink, Julya Bonkat – Equinor, Rich Hiney – Serica Hosted by Grant Kelly – Equinor	Using Geoseal, a Collapsed Claystone, as part of a Permanent Abandonment Barrier - <b>Jean Reck and Evelyn Lennon – TAQA</b>
16:55	17:20		Innovative Sand Screen technology resolves offshore Nigeria water injection issues - <b>Justus Ngerebara Adumu – Shell Nigeria</b>
17:20	17:45		A Digital Emissions Management Solution for the Energy Sector - <b>Monica Serban – Halliburton</b>
17:45	19:00	<b>Networking Reception + Core Display &amp; Exhibition</b>	

**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](http://spe-aberdeen.org) for updates on the programme timings or further details.

**Young Professionals Event**

See P5 for more info

08:00	09:00	<b>Registration</b>	
09:00	09:25	<b>Panel Session</b> Opportunities from offshore wind growth alongside continued hydrocarbon production	The Greater Triton Area, UKCS. Breathing life into a mature asset - <b>Nick Bortnik – Serica Energy</b>
09:25	09:50		N05: Autonomous Production Location; Decision making and optimization in Real Time - <b>Gerlof Visser – ONE-Dyas</b>
09:50	10:15		Pivotree's Innovation in Offshore Oilfield Development: A New Era for Agile Operators in the UK Market Extracting Stranded Reserves - <b>Chris Merrick – Pivotree Pty Ltd</b>
10:15	10:45	<b>Coffee Break + Core Display &amp; Exhibition</b>	
10:45	11:10	From Exploration to fast-track development: the use of new technology to unlock the Fotla Field Development - <b>Alastair Swanston – Ithaca</b>	Increasing Recovery at the Captain Field - <b>Duncan Farthing – Ithaca</b>
11:10	11:35	Late life OBN seismic for infill well target screening over the Scott and Telford Fields - <b>Mark Harrison – CNOOC International</b>	Tolmount Gas Field: Field Start-Up Planning for the Successful use of Multi-Well Deconvolution - <b>Alex Thatcher – Harbour Energy</b>
11:35	12:00	Three's not a crowd - Finlaggan Infill Well - <b>Nick Allan – NEO Energy</b>	Improving Water Cut Predictions when drilling and completing infill wells in mature oil fields - a new formation evaluation approach - <b>Robert Webber – CNOOC International</b>
		<b>Techbytes</b>	
12:00	12:05	Applications of Computational Fluid Dynamics in Carbon Capture and Storage Well Design - <b>Michael Byrne – Axis</b>	Cloud-based Geosteering Simulator to enhance the accuracy of well placement - <b>Romulo Cuevas – ROGII</b>
12:05	12:10		4D seismic spectral decomposition analysis of the Sleipner field, through an innovative lightweight application architecture - <b>Notivol Gonzalo Lázaro – Cegal Ltd</b>
12:10	13:00	<b>Lunch + Core Display &amp; Exhibition</b>	
13:00	13:25	<b>Legal Masterclass: Understanding Your Role in Forming and Enforcing Contractual Rights and Obligations vis-à-vis Oilfield Services. Eve Clarke – University of Law</b>	Upstream E&P Trends in the North Sea and Beyond: Foundations for the Future? <b>Patrick Ruddy – Enverus</b>
13:25	13:50		Lessons learned from undertaking a "Locate the Remaining Oil"(LtRO) workflow on the mature Dunbar field, UKNNS - <b>Duncan Chedburn – TotalEnergies</b>
13:50	14:15		Challenges and opportunities associated with step-out developments in the CNS Eocene injectite play – Examples from the Greater Catcher Area - <b>Andrew Miles – Harbour Energy</b>
14:25	14:50		Development of a Regional Bunter Model for Evaluating CCS - <b>Jack Orman – Neptune Energy, Anastasiya Gancheva – Neptune Energy</b>
14:50	15:15	<b>Coffee Break + Core Display &amp; Exhibition</b>	
15:15	15:40	The Rosebank Field – managing subsurface uncertainties in a complex intra-volcanic reservoir - <b>Grant Kelly – Equinor</b>	Integrated workflow for near field exploration and CCS site evaluation: a UK Southern North Sea study - <b>Eric Mueller – PGS</b>
15:40	16:05	Harnessing the Power of OBN Seismic for Field Development in Clair - <b>Lifeng Wang – bp</b>	Shallow aquifer fluid sampling for carbon capture and storage (CCS) - Development of a novel fluid sampling tracer chemical - <b>Kirsty Hitchen – bp</b>
16:05	16:30	Insights from ultra deep-reading, directional electromagnetic data on a mature waterflood; case studies from the Schiehallion Field, WoS - <b>Matthew Lewis – bp</b>	Progressing Phase 1 at Endurance to support the decarbonization of the UK's East Coast - <b>Nicolas Bouffin – bp</b>
16:30	16:55	Improved Reservoir Understanding in Mariner Field through Integrated Interpretation of Inflow and Inter-well Tracer Data - <b>Ross Philipp – Resman Energy Technology / Karen L. Sinza-Mendieta – Equinor</b>	Beryl Field Water Injection Strategy – an Integrated Approach to Optimization - <b>Gordon Hardie – Apache</b>
17:00		<b>CLOSING REMARKS</b>	

**Key**

- Technical Talks
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- Techbytes
- Masterclass

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## Careers in the Energy Transition 28th May 13.00-16.00 at P&J Live, Aberdeen

The Young Professionals event has been a core part of DEVEX for many years. The aim of the event is to specifically target the needs of young professionals working in the energy industry with a focus on subsurface disciplines. In addition to this, the event is free to attend making this a cost-effective way to participate in the conference.

This year, the theme of the event is careers in the energy transition. We have organised a line-up of speakers from operators, service companies, OEUK and recruitment to discuss this topic. Attendees will get to listen to keynote presentations on careers in the energy transition, and the skills needed to succeed in the energy transition. There will also be presentations from Geologists currently working on CCS projects that have transitioned from conventional hydrocarbon careers. The event will also feature a panel discussion where attendees will get to ask their own questions to the panel.

The event is also a great way to network and socialise with other Young Professionals! To book a place at the free YP event, follow the link below.

[Book Tickets](#)

### SPEAKERS

#### Callum Inglis, Spirit Energy

Callum is a geologist by background. Currently immersed in the fascinating world of CCS appraisal at Spirit Energy, he's eager to unveil his captivating career voyage, highlighting intriguing projects and offering invaluable career wisdom tailored for young professionals.

#### Ruth Thomas, Well Safe Solutions

Meet Ruth, a geologist who has ventured into the dynamic field of decommissioning. With a rich background in Exploration and Production, she now navigates the intricate landscape of decommissioning. Join her as she unveils her unique career journey, offers a glimpse into the life of a Plug and Abandonment Geoscientist, and sheds light on the pivotal role of decommissioning in driving forward the energy transition.

#### Sabrina Ataalla, OEUK

Sabrina is a seasoned Business Adviser at OEUK, whose expertise shines a light on the future of our industry. Join her as she unveils the roadmap for the energy transition, offering insights into the essential skills and jobs that will shape its trajectory. Discover the advice she shares on navigating this evolving landscape, complete with insightful timelines for each pivotal phase.

### PANELISTS

#### Peter Bottomly, WeConnect Energy

Peter is the Chief Operating Officer at WeConnect Energy, an industry leading recruitment company for the energy sector.

#### Angus Wylie

Angus is a recent graduate with an MEng in Mechanical Engineering from Imperial College London, currently working as Engineer and Social Entrepreneur at Wearth Monitoring.

## 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.

## Opportunities from offshore wind growth 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 \(spe-berlin.org\)](https://www.spe-berlin.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

Come and have a look at our core display at DEVEX! This time we feature an interval of Triassic Bunter from the Esmond field in the Southern North Sea, which is a heavily sought-after reservoir these days for CO2 storage purposes. So don't miss this opportunity to see how these sands – and some mudstones as well – look like. If only to give credit to the work Richard Arnold has put in to prepare the core for display!



## 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 (Cummingston 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](mailto: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](#)



### OUR SUPPORTERS



## 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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[\(spe-aberdeen.org\)](https://spe-aberdeen.org)

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

\*All costs exclude VAT

**EXHIBITION** **SOLD OUT**

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 x 2m (space only)

**CONTACT DETAILS**

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