



Solutions.
People.
Energy.™

Gaining Momentum

26 - 27 February 2025, Hybrid Event – Net Zero Technology Centre, Aberdeen & Online

GEOTHERMAL 2025

Technical Programme

As the UK's geothermal sector gains momentum, with pioneering projects emerging across the country, SPE Aberdeen proudly announces its Geothermal Seminar programme for 2025.

This pivotal event comes at a time when the UK government has reinforced its commitment to low carbon and renewable energy, with recent funding initiatives aimed at accelerating development and the creation of UK Energy.

Now in its fourth year, the seminar serves as a platform to share knowledge and showcase groundbreaking research and real-world applications that are shaping the future of sustainable energy.

Join us in February 2025 to explore how geothermal energy is evolving from a promising concept to a key component of the UK's clean energy strategy.

NEW FOR 2025 – HYBRID EVENT!

As the Geothermal Seminar continues to grow, we are excited to announce that the 2025 event will move from fully virtual to a hybrid event. Choose your preferred option between in-person attendance at the Net Zero Technology Centre in Aberdeen, or online attendance via the virtual events platform. Both ticket options allow delegates to watch all the presentations live as they happen, as well as offering the opportunity to be involved in any interactive elements, such as Q&A sessions and polls.

In-person attendance includes additional networking opportunities, refreshments and lunch across the 2 days of the event.



Platinum Sponsor



Networking/Event Sponsor



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Registration Sponsor



Programme Sponsor



Lunch Sponsor



Event Supporters





DAY 1

| OPENING SESSION - Session 1 - Markets and Data Analysis | | | |
|---|--|---|----------------------------------|
| Start Time | Title | Company | Presenter |
| 09:00 | Opening remarks | | Conference chair |
| 09:10 | Keynote - An Update on the United Downs Geothermal Project, Cornwall: Construction of the UK's first Geothermal Power Plant | Geothermal Engineering Ltd | Ryan Law |
| 09:40 | Supporting UK geothermal through new national data, maps and products | BGS | Alison Monaghan |
| 10:10 | Navigating the growing geothermal market: the European story | Rystad Energy | Shruti Raghuram |
| 10:40 | BREAK | | |
| SESSION 2 - Case Studies & Synergies | | | |
| 11:10 | Session introduction | | |
| 11:15 | Operational findings from the UK's first multi-megawatt mine water geothermal heating schemes at Lanchester Wines | TownRock Energy | Sally Jack |
| 11:45 | CO2-Plume Geothermal System: Opportunities and Challenges | Wood PLC Group | Abdelazim Abbas Ahmed Awadelseed |
| 12:15 | "Geothermal heat with every beat" - the BODYHEAT project two years into operation | TownRock Energy | Leah Swan |
| 12:45 | TECHBYTE: The UK Geoenergy Observatories – the value of field laboratories for shallow geothermal and underground thermal energy storage | BGS | Vanessa Starcher |
| 12:50 | TECHBYTE: Open Innovation Center RCSG: Accelerator for drilling technology developments to drive the energy transition | TNO | Andreas Reinicke |
| 12:55 | LUNCH BREAK | | |
| SESSION 3 - Panel Session | | | |
| 14:00 | Session introduction | | |
| 14:05 | Panel Session - Exploring the opportunities and barriers for UK geothermal development | Dr Charlotte Adams, National Geothermal Centre; Neil Davey, Vulcan Energy; Lisl Lewis, GeothermEx. Chaired by: Ingrid Huldal | |
| 14:35 | Sponsor Techbyte Session | SLB, Expro, Scottish Enterprise | |
| 14:55 | BREAK | | |
| SESSION 4 - Geothermal Planning & Development | | | |
| 15:25 | Session introduction | | |
| 15:30 | Harnessing geothermal synergies: A blueprint for sustainable industry in the Upper Rhine Valley | Vulcan Energy | Neil Davey |
| 16:00 | Enhanced Planning for Geothermal Development: Economic Assessment of Potential Projects Using Integrated Uncertainty Workflows | Rock Flow Dynamics | James Mullins |
| 16:30 | TECHBYTE: Utilising Abandoned Oil and Gas Wells for Sustainable Geothermal Energy Extraction | National Decommissioning Centre | Dr. Lawrence Wilcox |
| 16:35 | TECHBYTE: Legacy Wells Reimagined: Harnessing Geothermal Power from Repurposed Oil and Gas Infrastructure | TAQA Completion | Rita Greiss & Mojtaba Moradi |
| 16:40 | DAY 1 WRAP UP | | |



DAY 2

| SESSION 1 - Technology | | | |
|--------------------------------------|--|---|-----------------------------|
| Start Time | Title | Company | Presenter |
| 09:00 | Opening remarks | | Conference co-chair |
| 09:10 | Overcoming the Challenges of Geothermal Engineering: Best Practices and Advanced Solutions | EthosEnergy | Donald Leger |
| 09:40 | Development and Qualification of an Elastomer Based Packer for Effective Annular Isolation in Enhanced Geothermal Systems | Swell X Limited | Neil J Glover |
| 10:10 | AiION: A Machine Learning Approach to Geothermal Exploration | Robert Gordon University | Mahmoud Magdy AlGaier |
| 10:40 | TECHBYTE: Addressing Flow Assurance Challenges in Geothermal Assets | Roemex Limited | Geoff Hughes |
| 10:45 | TECHBYTE: Scale Predictions in Geothermal Systems | OLI Systems | Giulia Ness |
| 10:50 | BREAK | | |
| SESSION 2 - Case Studies & Synergies | | | |
| 11:20 | Session introduction | | |
| 11:25 | Exploration campaign of the hidden fractured reservoir for geothermal lithium and heat extraction: a case study in Northern Alsace, France | Lithium de France | Jeanne Vidal |
| 11:55 | Pucamarca Forever: Plan for solar-geothermal development as an alternative for sustainable closure of the Pucamarca Mine, Perú | Development Bank of Latin America and Caribbean - CAF | Suamy Gabriela Pérez Ortega |
| 12:25 | Geothermal and CCUS in Iceland | COWI | Katrín Ragnarsdóttir |
| 12:55 | TECHBYTE: Materials challenges and opportunities in high-temperature steam electrolysis with geothermal heat | Robert Gordon University | Nadimul Faisal |
| 13:00 | LUNCH BREAK | | |
| SESSION 3 - Future Geothermal | | | |
| 14:00 | Session introduction | | |
| 14:05 | Applying play fairway analysis to explore geothermal potential in the UK | GaffneyCline energy advisory, Baker Hughes | Dmitri Zunde |
| 14:35 | Superhot Rock - the trail to next generation geothermal | Mazama Energy | Gabrijel Grubac |
| 15:05 | The Frontier of Energy: Offshore Geothermal Energy in Active Rifts | Viridien | Alexander Jones |
| 15:35 | TECHBYTE: A snapshot of next-generation geothermal technologies | Wood Mackenzie | Kate Adie |
| 15:40 | CLOSING REMARKS | | |
| 15:50 | END OF CONFERENCE | | |

Booking

Who should attend?

We aim for the seminar to be relevant, and interesting, to a broad range of people from energy professionals, environmentalists, investors, politicians, academics, career-seeking students, and those just eager to learn more about Geothermal.

Prices

| | Early Bird until 24 January | Standard |
|-----------------------------|--------------------------------|----------|
| ONLINE ATTENDANCE | | |
| Members | £75 | £95 |
| Non-Members | £90 | £110 |
| Student/Unemployed | £25 | £25 |
| IN-PERSON ATTENDANCE | | |
| Members | £140 | £160 |
| Non-Members | £170 | £190 |
| Student/Unemployed | £45 | £45 |

Please note all costs are subject to VAT at the current rate.

Special Offer

Invite an Early Career Professional (≤10 years in industry) to attend the Seminar for FREE!

For every full price ticket purchased, you may add an additional ticket of the same type for no additional cost. This is your chance to support our future generation and inspire knowledge sharing.

T's & C's

The member organisations eligible for member rate tickets are: SPE, The Energy Institute, IMechE Aberdeen Branch, EIC, Decom NS, InstMC, ICoTA.

Ticket types are non-transferable. If an 'online attendance' ticket is purchased, this only allows access to the online event platform and cannot be used for the in-person event. If an 'in-person attendance' ticket is purchased, this only allows attendance to the in-person event and does not grant access to the online event platform. Special requests can be made to: Aberdeen.events@spe-uk.org and will be decided on a case-by-case basis.

Free Early Careers tickets – 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. This offer is only valid on full price tickets – this excludes the Student/Unemployed ticket type.

The in-person networking reception on the evening of 26th February is available for all delegates to attend, both online or in-person ticket types.

Sponsorship Opportunities

SPE Aberdeen is a not-for-profit organisation and raising sponsorship is vital not only for the successful delivery of the conference but to enable re-investment back into the industry.

By supporting this event, not only are you providing an important knowledge sharing and training opportunity for the industry, but you are also supporting the future generation and the future of our industry.

All sponsors will receive the following benefits:

- Logo on all materials incl. web, abstracts flyer, programme flyer, social media.
- Corporate branding on conference slides.
- Profile and logo in abstracts book.
- Recognition by conference chair throughout the event.
- Access to delegate list prior to the event.

To enquire about sponsorship packages, please contact aberdeen.events@spe-uk.org or call 01224 646311.

Package specific benefits:

Platinum Sponsor £3,600

- Prime positioning of logo on materials.
- Social media input – provide content for a post prior to the event.
- Video opportunity – provide a video to play during the break.
- 5 x delegate passes included plus 3 x tickets for the networking event.

In-person Networking Event Sponsor SOLD

- 2025 will see the introduction of an in-person networking event taking place on the evening of 26 February in Aberdeen.
- Prominent positioning of logo on materials.
- Social media input – provide content for a post prior to the event.
- Opportunity to bring pop-up banners to put up at the event for increased brand exposure.
- 3 x delegate passes included plus 5 x tickets for the networking event.

Please note, all prices above are exclusive of VAT.

Event Sponsor £1,800

- Prominent positioning of logo on materials.
- Social media input – provide content for a post prior to the event.
- 3 x delegate passes included plus 2 x tickets for the networking event .

Registration Sponsor SOLD

- Prime positioning of logo on delegate joining instructions.
- 2 x delegate passes included plus 1 x ticket for the networking event.

Programme Sponsor (2 available) £1,140

- Logo displayed on programme flyer beside chosen day.
- 2 x delegate passes included plus 1 x ticket for the networking event.

Video Showcase £500

- Have your 1–2 minute promotional video played to attendees during the conference.
- Cost includes one play per conference day. Further plays can be negotiated at an additional cost.