

| DAY TWO AGENDA - WEDNESDAY 1 MAY 2024

08:30-09:30 Registration

09:30-10:45 **Session 6: TECHNOLOGY - *May the 'Innovation' Force be with you***

Cutting edge technology is helping to reshape our energy system for a cleaner, more sustainable energy future. Innovation however never stands still, particularly with the challenge of introducing clean technologies into sectors such as heavy industry and long-distance transport where emission reductions are more complex. Revolutionary technologies like Small Modular Reactors (SMRs), Direct Air Capture (DAC) technology, electrolysers, and digital innovations are actively contributing to the energy transition. In this session we will discuss these groundbreaking advancements which signify a significant step forward in our journey towards a more sustainable and efficient energy future.

10:45-12:00 **Session 7: ALTERNATIVE ENERGY - *It's a New Dawn, It's a New Day***

We are all aware that renewable energies like wind and wave energy are playing a crucial role in achieving the UK's net zero goal, but what about the lesser sung heroes in our energy mix?

For the North Sea to truly decarbonise, and gain energy security for the future, we need to have a range of energy sources in place. In this session we will look at some of the alternatives to the usual renewable suspects.

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12:00-13:00 Networking Lunch

13:00-14:15 **Session 8: HYDROGEN - *Hype or Hope?***

Hydrogen is the most abundant element on the planet, so you could assume that it would be the obvious choice in energy source to meet our decarbonisation goals. However, as we know things are rarely as simple as they sound, and hydrogen creates an abundance of engineering difficulties. Whilst it has the potential to be a key pillar of the energy transition, some have expressed their doubts. From decarbonising industry, heating our homes to powering transportation, hydrogen supposedly does it all. But can it deliver on the hype?

14:15-15:30 **Session 9: CCUS - Time vs Temperature: An insight into the challenges and opportunities facing industry in a race to meet North Sea decarbonisation targets**

The incentive to innovate into industrial scale carbon capture projects is apparent, but with the urgent need for climate change, can Carbon Capture, Utilisation, and Storage (CCUS) deliver on the global stage? The adoption of CCUS is rapidly being recognised as one of the critical levers in meeting net zero goals. During this session we will identify and discuss the major challenges and opportunities for both the regulator and operators, including delivering CCUS and meeting set decarbonisation targets in the North Sea.

15:30-15:40 Closing Remarks