The Australian Carbon Capture, Utilisation & Storage Conference

29 – 30 June 2021 | Rendezvous Hotel, Melbourne & Virtually Delivered

SPEAKERS INCLUDE:

Mick Buffier
Group Executive – Sustainable Development & Industry Relations, Global Coal Assets, Glencore

Mark McCallum
Chief Executive Officer, Low Emission Technology Australia

Steven Marshall
Operations Director – CarbonNet, Department of Jobs, Precincts and Regions

Alister Trier
Chairman – Gas Taskforce, Department of the Chief Minister and Cabinet, Northern Territory Government

Professor Peter Cook
Advisor on CCS, BPH

Matthias Raab
Chief Operating Officer, CO2 CRC

Daniel Zavattiero
General Manager – Climate and Energy, Minerals Council of Australia (MCA)

Sophia Hamblin Wang
Chief Operating Officer, Mineral Carbonation International (MCI)

Phil Hodgson
Managing Director and Chief Executive Officer, Calix Limited

Chris Way
Chief Executive Officer, Bridgeport Energy Limited

Jeremy Stone
Non Executive Director & Advisor, J-Power

Rohan Gillespie
Managing Director, Southern Green Gas

Alan James
Managing Director, Pale Blue Dot Energy (UK)

Dr Paul Feron
Science Leader, CSIRO Energy

Matthew Holding
Study Manager, deepC Store Project, Transborders Energy

Robert Niven
Chief Executive Officer & Founder, CarbonCure Technologies (Canada)

Saul Kavonic
Head of Australian Energy Research, Credit-Suisse

Noreen Byrne
General Manager, People & Sustainability, Leigh Creek Energy

Cristian Bolda
General Manager, Operations, Leigh Creek Energy

9:00 OPENING | Opening remarks from the Chair

POLICY & INVESTMENT

9:10 The Technology Roadmap & CCUS’ role in Australia’s energy future
   Australia’s Technology Investment Roadmap is a strategy to accelerate development and commercialisation of low emissions technologies. This session will explore one of the priority technologies in Australia’s Technology Investment Roadmap, CCUS technology and how it can deliver the additional CO2 emissions reductions that would be necessary to meet the climate goals in 2050.

9:35 Investing in CCS in Australia
   Mark McCallum, Chief Executive Officer, Low Emission Technology Australia

10:00 Investor sentiment on carbon-intensive projects and carbon-reduction strategies
   Saul Kavonic, Head of Australian Energy Research, Credit-Suisse
   Further panelists TBA

10:45 Networking and refreshment break

CCUS INITIATIVES

11:15 MCA’s Climate Action Plan and the importance of CCUS technology development
   Daniel Zavattiero, General Manager – Climate and Energy, Minerals Council of Australia (MCA)

11:40 Northern Territory’s offshore CCUS potential in the Petrel Basin
   Alister Trier, Chairman – Gas Taskforce, Department of the Chief Minister and Cabinet, Northern Territory Government

12:05 Glencore’s CTSCo Project
   Glencore’s CTSCo Project aims to demonstrate CCUS on an industrial scale in Queensland. It is Australia’s most advanced onshore CCUS project and is focused on:
   — Capturing CO2 from a coal-fired power station
   — Permanently storing the CO2 deep underground in the southern Surat Basin, about 230 kilometres West of Toowoomba
   This project will bring valuable insight into the development of CCUS in an industrially scalable, safe and cost-effective manner for all large-scale emitters of CO2.
   Mick Buffier, Group Executive – Sustainable Development & Industry Relations, Global Coal Assets, Glencore

12:30 BPH’s proposed carbon capture component for the planned Baleen gas drilling program in the offshore Sydney Basin
   Professor Peter Cook, Advisor on CCS, BPH

12:55 Lunch and networking break

13:55 The CarbonNet Project
   Steven Marshall, Operations Director – CarbonNet, Department of Jobs, Precincts and Regions

14:20 The Latrobe Valley Energy Supply Chain Project and the role that CCS will play
   Jeremy Stone, Non Executive Director & Advisor, J-Power

14:45 Moonie CCUS Initiation Project
   The Moonie CCUS Initiation Project could be the first truly CCUS project in Australia. The project will utilize 7 existing wells at Moonie (1 injector and 6 producers, with effective monitoring of the EOR operation from other existing wells. Initially, minimal CO2 is forecast to return to the surface with the produced oil. As the operation matures, sufficient CO2 will be separated from the produced fluids to warrant recycling it to the reservoir as part of the EOR operation. Recycling will involve compression and dehydration facilities to process the separated CO2 for its re-injection and ultimate sequestration.
   Moonie is well situated to be the centre of a Surat Basin CO2 Storage Hub, which can gather and sequester CO2 from several thermal coal fired power plants and materially reduce Australia’s emissions.
   Chris Way, Chief Executive Officer, Bridgeport Energy Limited

15:10 Networking and refreshment break

DEVELOPMENTS IN DIRECT AIR CAPTURE TECHNOLOGY

15:40 CSIRO perspective on Direct Air Capture in Australia
   Dr Paul Feron, Science Leader, CSIRO Energy

16:05 SGG project and your involvement in the development of solar-powered DAC technologies
   Rohan Gillespie, Managing Director, Southern Green Gas

16:30 INTERNATIONAL PERSPECTIVE
   The roll out of DAC technology in the UK & The Acorn Project
   This presentation will explore PBDE’s major projects including Acorn Project, which aims to tackle climate change by dealing with industrial CO2 emissions and other ‘hard to decarbonise’ sectors and act as an important catalyst for the next phase of the UK’s journey to Net Zero, as well as their role in deploying commercial DAC projects across the UK.
   Alan James, Managing Director, Pale Blue Dot Energy

16:55 Closing remarks from the Chair & Networking Function
9:00 OPENING | Opening remarks from the Chair

9:10 The Otway International Test Centre in advancing CCUS technology
The Otway International Test Centre gives industry and academia the opportunity to investigate and overcome engineering challenges and assess technical performance under operational conditions, prior to embarking on a commercial CCUS projects.
Matthias Raab, Chief Operating Officer, CO2 CRC

9:35 INTERNATIONAL PERSPECTIVE
Carbon injection in concrete manufacturing
Buildings generate nearly 40% of annual global greenhouse gas emissions, and the world’s building stock is expected to double by 2060. In order to shrink the carbon footprint of buildings, embodied carbon in new buildings must be reduced. This presentation will explore how carbon removal technology can reduce embodied carbon, making the concrete stronger whilst also eliminating the CO2.
Robert Niven, Chief Executive Officer & Founder, CarbonCure Technologies

10:00 Transforming CO2 emissions
This session will explore how CO2 emission scan be transformed into valuable materials that provide profitable decarbonisation pathways for the mining, manufacturing and energy sectors.
Sophia Hamblin Wang, Chief Operating Officer, Mineral Carbonation International (MCI)

10:25 Networking and refreshment break

10:55 Carbon capture from cement & lime manufacturing
Phil Hodgson, Managing Director and Chief Executive Officer, Calix Limited

11:20 Engineering solutions for the sequestration of carbon

11:45 Leigh Creek Energy’s CCS component for its planned project in SA
Nareen Byrne, General Manager, People & Sustainability, Leigh Creek Energy
Cristian Bolda, General Manager, Operations, Leigh Creek Energy

12:15 Lunch and networking break

13:15 deepC Store: Achieving the first Floating CCS in Australia and Asia-Pacific
— Overview of deepC Store, the Australian floating CCS development
— Competitive advantages of the deepC Store approach
— Leveraging Partnerships to deliver success
Matthew Holding, Study Manager, deepC Store Project, Transborders Energy

13:40 Technology showcase fly-throughs
Hear from some leading companies working at the forefront of this industry in developing technological break throughs, that will help propel the CCUS industry forward. These Technology Showcases provide an opportunity for a number of 10-15 minute sessions, showcasing the latest in innovation and or service.

14:10 Closing remarks from the Chair

14:15 Afternoon tea & End of Conference

VENUE DETAILS
Rendezvous Hotel, Melbourne, 328 Flinders St, Melbourne VIC 3000
Phone: (03) 9250 1888, www.rendezvoushotels.com.au/Melbourne

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