

CCS Monitoring (MMV) Technology Showcase

Tuesday, 29 October 2024, 0900-1600, NZTC 20 Queen's Road, Aberdeen

09:00 **Arrival, registration and coffees**

09:30 NZTC - Welcome and safety brief

09:40 NSTA - Introduction and keynote

Session 1: MMV technology selection for projects

10:00 Storegga - MMV requirements and technology way forward - Findings of the CS Task Force

10:15 Spirit Energy – Monitoring strategies and technologies at Morecambe Net Zero

10:30 ExxonMobil - CS monitoring philosophy and onshore experience at LaBarge

10:45 TGS - Deploying monitoring technologies at European carbon storage projects

11:00 Shell - Induced seismicity monitoring for offshore CCS

11.30-12.45 - Technology showcase & networking (sandwich lunch will be served)

Session 2: Geophysical and in-well technologies

12:45 SLB – Monitoring technologies for Carbon Storage

12.55 TenzorGEO - Passive seismic/Microseismic monitoring during CO2 injection

13.05 Baker Hughes - Holistic approach to CCS site monitoring: safety & compliance through advanced MMV

13.15 Reach Subsea - Gravity and seabed displacement monitoring for CO2 injection

13.25 SpotLight Earth – Unlock predictive maintenance for CCS

13.35 Expro - Downhole monitoring for CO2 stores

13:45-14:30 - Technology showcase & networking

Session 3: Well and marine monitoring

14:30 Weatherford - Optical sensing in CCS surveillance

14:40 Metrol Technology - Downhole wireless monitoring for carbon storage

14:10 Halliburton - CCS as a dynamic system (and implications for MMV)

15:00 Quantum Pro – Intelligent tracers for CO2 geological storage

15:10 Fugro - Seismic, seabed and water column monitoring - Integrated examples from the US GOM

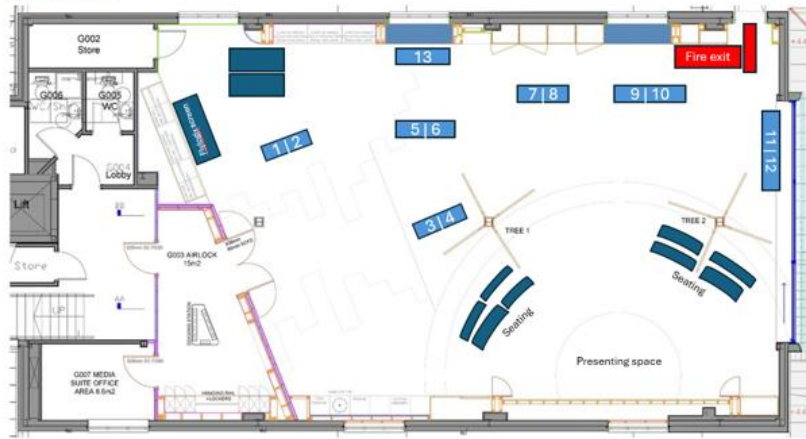
15:20 NOC Innovations – Autonomous monitoring service (AMS)

15:30 - Technology showcase & networking

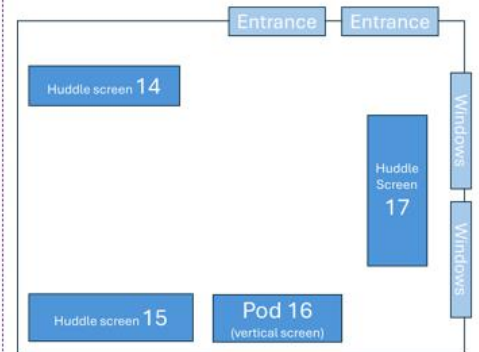
16:00 **Session closing**

Technology developers and suppliers

Hub level



Upper level



Hub level

- | | |
|---|--|
| 1  | 8  |
| 2  | 9  |
| 3  | 10  |
| 4  | 11  |
| 5  | 12  |
| 6  | 13  |
| 7  | |

Upper level

- | |
|---|
| 14  |
| 15  |
| 16  |
| 17  |

Attendees

- | |
|---|
|  Sonardyne |
|  TensorGEO
Subsea Microseismic Technology |
|  OCEAN INFINITY |

Technology Developers and Suppliers		
TGS	Integrated carbon storage site characterization and monitoring capabilities	Pod 1
Sentinel Subsea	Passive well technology continuously monitoring the integrity of subsea wells for oil & gas and carbon capture	Pod 2
SolGeo	Geophysical instrumentation and seismic monitoring systems for applications in multiple industries	Pod 3
NOC Innovations	Turn-key solutions for CCS monitoring using Autonomous Monitoring Services (AMS)	Pod 4
Metrol	Wireless pressure/temperature outflow monitoring tools	Pod 5
SpotLight	Monitor CO ₂ induced changes in the subsurface using a single source/receiver pair	Pod 6
Quantum Pro	Innovative tracer technologies for use in oil & gas and carbon storage monitoring	Pod 7
Baker Hughes	Holistic approach for the data acquisition, modeling, and monitoring across carbon capture, transport, and storage	Pod 8
Viridien	Carbon storage and monitoring solutions to identify, de-risk and optimize CO ₂ projects for safe, effective injection and storage	Pod 9
Weatherford	Complete sensing solutions for CCS well surveillance	Pod 10
Expro	Comprehensive well monitoring technologies, including wireless gauges, and in-well flow measurement, for O&G and CCS	Pod 11
Reach Subsea	Gravity and seabed displacement monitoring for CO ₂ injection	Pod 12
Haliburton	Carbon storage monitoring technologies integrating logging, fibre optics, and subsurface gauges	Pod 13
<u>Upstairs:</u>		
SLB	Comprehensive portfolio of technologies for the characterisation, modelling, and monitoring of carbon storage sites	Pod 14 (upstairs)
Silixa	Advanced fibre optic sensing solutions for the monitoring of all stages of CCS sites	Pod 15 (upstairs)
Cambridge Biomagnetics	Uniquely designed magnetic nano-tracers for various applications, including electromagnetic (EM) surveys of geological formations	Pod 16 (upstairs)
Fugro	Passive and autonomous technologies for the characterisation and monitoring of CO ₂ storage sites	Pod 17 (upstairs)

<u>Not exhibiting:</u>		
Tensor Geo	Near real-time monitoring of stored CO2 with passive seismic technology offering high resolution imaging	
Sonardyne	Seabed and marine monitoring integrating chemical and biological sensors to provide a complete view of the environment	
Ocean Infinity	Innovative robotic technology, lean-crewed and uncrewed vessels for offshore monitoring and operations	

Presenters

Exhibitors

Attendees



Organisers

