



Technology Leadership Board

Stakeholders meeting at OE25

4th September 2025

TLB Stakeholder Event @ OE25

Agenda

1230-1300	Introducing the TLB Piloting innovation in the UKCS: TotalEnergies' Culzean floating wind turbine
1300-1400	Parallel presentations
Screen 1	Accelerate Deployment: a full-programme of industry engagement
Screen 2	Non-Intrusive Inspection Field Trial Accelerator (NIIFTA): an industry initiative to pilot new technologies supported by the TLB
Screen 3	North Sea Transition Workstream: Update on TLB plans and recent work on Floating wind foundation designs

Finger buffet and refreshments served during the presentations

Technology Leadership Board

- Launched in 2013
- Co-chaired by NSTA and Industry since 2015
- Now one of the seven North Sea Transition Task Forces
- Brings together Operators, Suppliers, R&D and Government



We bring together industry, regulators and technology developers
to accelerate innovative solutions for offshore energies

Workstreams



Leads

Clara Altobell (Independent)
Melfort Campbell (IMES Group)

Paul Sexton (TotalEnergies)
Neil Allen (Worley)
Steve Johnson (Petrofac)
Steve Aitken (Intelligent Plant)

Steve Travers (Baker Hughes)

Work-groups

SLB, CNOOC, TAQA, Baker Hughes, NZTC, NSTA

ORE Catapult, ETZ, ODI, ONE, SE

BP, NZTC, JERA Nex bp, Imenco, Transformational Energy, NSTA

Focus

Target wider industry usage of technologies ready for deployment (TRL 8 or 9). Share learnings and optimise engagement between operators and suppliers.

Address maturity gap in the deployment of digital technologies which support companies' decision-making, reduce risks and drive efficiencies.

Accelerate technology maturity to deliver net zero commitments. Focus on emission reduction, floating wind power and CCS.

Activities

Sponsored projects

The Industry Sponsor Programme aims to ensure the pace of delivery and deployment at scale of technologies to address priority industry needs is met by harnessing industry ownership of the challenge



Non-Intrusive Inspection Field Trial Accelerator (NIIFTA)

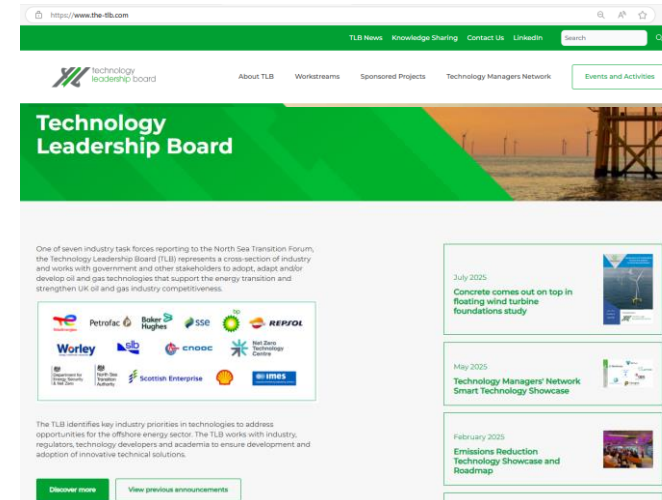
Led by Kellas Midstream
Supported by NZTC and NSTA

Technology Managers' Network



The TMN gathers Technology Managers across the entire UK offshore energy industry. It is a mechanism to share experience, ideas and knowledge on technology development and deployment

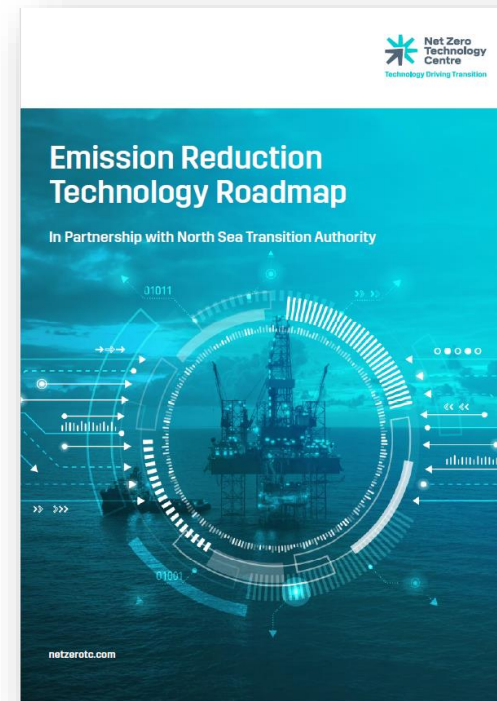
Website (www.the-tlb.com)



- TLB plans
- Workgroup activities and events
- TLB studies
- TMN presentations

Sharing expertise: Emission Reduction

- **ER Technology Roadmap** (Feb 2025)
 - TRL 7-8 Technology enablers for offshore ER
 - Stakeholders engaged
 - Asset Stewardship Task Force, Emissions Reduction Action Plan (ERAP) subgroup
 - OEUK Decarbonisation & Atmospheric
 - 3 x workshops Operators / Suppliers
 - <https://www.netzerotc.com/reports/emission-reduction-technology-roadmap/>
- **ER Technology Showcase** (Feb 2025)
 - Launch of Technology Roadmap document
 - Keynote by Jenni Whitfield of NSTA / ASTF
 - Operators and Suppliers presented (single & joint) case studies
 - Exhibition stands by 12 Suppliers
 - 70+ attendees
 - <https://www.the-tlb.com/tlb-news/presemission-reduction-technology-showcase>





technology leadership board

Ships that lead

Ships that lead

Emissions Reduction Technology Showcase Programme

Tuesday 18th February, 8.15am to 1:30pm

Exhibitors	
Accord EIS	Combustion efficiency and flare emissions reduction
Activation Lab	Fully sealed valves
Accord IS / Score	Emissions management software plus leak detection and quantification tool
Baker Hughes	Emissions abatement solutions
IMARINO	Digital asset management & inspection analytics
Oxford Flow	Strainers valves

AI and digital technology to optimise offshore marine logistics
Range of digital tools for optimisation and management
High gas delivery & vapour recovery using digital technologies
Process optimisation and energy management system
Process optimisation software
Asset integrity & emissions software

Speaker Programme	
08.15	Refresh, Coffee
08.30	Welcome and safety briefing Robert Atkin, WPC
08.35	Welcome and introductions Emir Canan, Technology Manager, North Sea Transition Authority
08.40	Keynote on UK emissions and E&P process John Mitchell, Project Development and CA&T, North Sea Transition Authority
08.45	Emissions Reduction Technology Roundtable Launch Nick Chambers, Head of Process & Technical Systems, North Sea Technology Centre Emir Canan, Technology Manager, North Sea Transition Authority <i>Deployed emission reduction technologies case studies</i>
09.30	Series Energy & Thermal Exports Solutions – Boosting Series Refining and Eximensions Kieran Wright, Head of Process & Technical Systems, Series Energy Alex Davis, Business Development Manager, Transimex Global Solutions
09.40	Materials and Accord EIS – Flaring optimisation Gordon Bate, Managing Lead, Transocean Rob Peckham, Project Development Consultant, Accord EIS
10.00	Technology Showcase & networking (coffee) <i>Deployed emission reduction technologies case studies</i>
11.00	Report Roundtable (UK – Paper also from Charlie Leitch, PER signatory) Andy Smith, Environmental & Emissions Consultant, North Atlantic UK
11.30	EnGazent – Onshore drilling H2O alternative liquid fuel & fuel gas usage efficiency Murray Bell, Technical system developer, EnGazent
11.45	Process – Scalable and efficient power delivery through robust boilers and power management systems Bever Mitchell, Lead Systems Engineer, Heston
11.55	Practice Solutions – Reducing emissions through optimising marine logistics Jim Dargill, Chief Executive, Practice Solutions
12.15	Feedback from the floor – discussion Nick Chambers, Head of Technology Solutions, North Sea Technology Centre Emir Canan, Technology Manager, North Sea Transition Authority
12.30-1.30	Technology Showcase & networking (lunch)

This is a Technology Leadership Board North Sea Transition workstream event in collaboration with Offshore Energy UK, Asset Stewardship Teesside, North Sea Transition Authority and North Sea Technology Centre.



Driving collaboration: Data & Digital

Well P&A Focus - Wells Collab – Rahd.ai Platform



AIM

UPDATE

- Use AI to reduce manual effort of well data collation, QC and interrogation
- Enable GPT style questioning of large P&A datasets
- Assess potential of creation / optimisation of P&A campaign planning
- Initial pilot benchmark underway - data ingestion of 6 wells
- 1st Well complete - Ingestion of 96 PDF files → Structured dataset
- Iteration of QC, interface updates, well schematic refinement



Insights via
ChatGPT-type
interface

DEN – Digital Energy Nexus



AIM

UPDATE

- State of the art facility to accelerate adoption and commercialisation of digital technology
- Tailored support, real world testing, collaborative problem solving
- Industry engagement ongoing to secure partners, founding members and financial support
- Application for capital funding in process
- Phased approach: Phase 1 - contextual learning



Projects

Services

Test & Assure

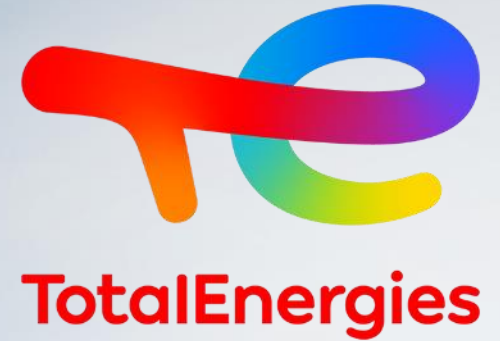
Technology
showcasing

Incubation and
Colocation

Events and Thought
Leadership

Talent and Skills

Piloting new technology in the UKCS



UK - Culzean Floating Wind

TLB OE25

4th September 2025



Break out presentations (1pm – 2pm)

Screen
1

Accelerate Deployment: industry programme



Screen
2

NIIFTA – Non-Intrusive Inspection Field Trial Accelerator



Screen
3

North Sea Transition Workstream
Recent work on floating wind foundation designs





Thank You