



Net Zero
Technology
Centre

Technology Driving Transition

Driving technology innovation for a net zero industrial future

A net zero world, powered by technology innovation

Our track record:

£468M

co-invested with industry

74

technologies
commercialised

350+

projects supported

174

field trials completed,
planned or underway

130

startups
accelerated



Explore our 2024-2025 Annual Review

Dive into the breakthroughs, partnerships and
technologies shaping a net zero future

Commercial services for energy innovation

Expert advisory, insights and collaborations to turn technology challenges into opportunities.

- ✓ De-risk technology investments
- ✓ Accelerate technology deployments
- ✓ Gain clarity and confidence
- ✓ Deliver measurable impact



Technology Insights

Actionable intelligence to unlock competitive advantage



Innovation Competitions

Source, vet and pilot the most promising energy technologies



Industry Collaborations

Tackle shared challenges with technology co-development



Innovation Centres and Conferences

Drive innovation and propel commercial-ready solutions



Ready to tackle your next technology challenge?

[Start the conversation](#)

How we work with you

Whether you're optimising operations, improving safety or advancing sustainability, NZTC helps turn complex technical challenges into measurable progress. Our approach is highly consultative, rooted in deep industry knowledge and with a commitment to partnership at every stage.

- ✓ Accelerate technology adoption to stay ahead of the curve
- ✓ Deliver lasting value through sustainable, future-ready transformation
- ✓ Reduce risk by implementing proven solutions with confidence
- ✓ Embrace innovation while maintaining control and minimising disruption



Understand your challenge

Gain deep insight through extensive analysis and collaboration to ensure your challenge is clearly defined and aligned with the right solutions



Identify and validate solutions

Focus on practical, deployable technologies that fit your unique needs, from early feasibility to ready-to-test solutions, prioritising those with the strongest technical and commercial potential



Streamline implementation

Reduce the operational burden of managing new technology development through collaborative frameworks tailored to your organisation's needs

Industry collaborations for energy innovation

Tackling shared operational challenges with peer-driven technology co-development and field trials.



Identifying shared industry challenges by convening partners – IOCs, NOCs and service companies – with a common goal



Co-designing solutions by supplying proven frameworks and collaborative methodologies to align priorities and structure joint field trials



Accelerating adoption by executing and de-risking technology testing, driving faster uptake and industry-wide standardisation



Ready to collaborate on your next industry challenge?

Let us know how we can help

Live collaborations

Wells Decommissioning Collaboration

Accelerating well decommissioning technology qualification and commercialisation

- A multi-operator consortium including ConocoPhillips, Equinor, Harbour Energy, OKEA, Petrobras, Repsol and Total Energies
- Reducing financial exposure to a single operator, lowering costs and improving the efficiency
- Accelerating the pace at which new well P&A materials are tested and trialled
- Focused on accelerating the adoption of affordable and efficient solutions across alternative barrier materials, inspection and verification and other enabling technologies

Methane Measurement Joint Innovation Project

Advancing offshore aerial methane measurement through targeted R&D

- Partners include bp, CNOOC, Harbour Energy, Serica Energy and Shell
- Improving repeatability of top-down measurements
- Enhancing uncertainty estimation methods
- Supporting the development of minimum standards and quality controls

Aligned with OEUK recommendations to drive more reliable, transparent, and actionable emissions data.

Sub-surface Safety Valve Joint Innovation Project

Advancing safety valve standards for CO₂ storage in extreme conditions

- Partners include bp, Chevron, ebn, eni, Equinor, Harbour Energy, Shell, Storegga and Total Energies
- Tackling reliability issues in CO₂ wells, testing valves down to –78°C
- Developing a CCUS-specific qualification programme based on modified API 14A standards
- Delivering a validated, commercial-ready portfolio of safety valves for CO₂ injection
- Submitting new testing procedures to API, helping shape future industry standards

Want to be part of the collaboration? [Get in touch.](#)



Luca Corradi
Chief Technology Officer

Connects innovators and academics, leading horizon scanning to identify impactful technologies for advancing the energy transition.

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Cammy Booth
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Drives business development, advancing net zero technologies through global collaborations, commercial advisory and transformative solutions for emissions reduction and clean energy.

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