



## Energy Transition Zone Ltd (ETZ)

ETZ Ltd is a private sector-led and not-for-profit company spearheading the energy transition in the North East of Scotland. It is supported by significant funding from the Scottish and UK governments and aims to reposition the region as a globally recognized new and green energy cluster. Key initiatives include a 250-hectare Energy Transition Zone near the brand new £420M Aberdeen South Harbour, featuring a Marine Gateway, an Offshore Wind Campus, an Innovation Campus, a Skills Campus and a Hydrogen Campus.

### Key Capabilities / Centres

#### Descriptions

#### Energy Incubator & Scale Up Hub

This campus focuses on the Energy Incubator and Scale Up Hub, a 3,000 m2 industrial/collaboration space to foster supply chain community building, technology R&D, commercialization, and manufacturing, alongside target business support. Operational in 2024, it's supported by NZTC and NMIS, and partly funded by bp & Scottish Enterprise.

#### Energy Transition Skills Hub

ETZ are building Scotland's first dedicated Energy Transition Skills Hub which will be the anchor project of the Skills Campus. ETZ Ltd is making a £5 million investment to provide new flexible teaching spaces, a technologies demonstration and teaching facility & a welding and fabrication academy. Private sector funding and support is provided by Shell.

#### Green Hydrogen Test & Demonstration Facilities

ETZ is developing a Hydrogen Campus, a 15 hectare area of developable land. The high-quality campus design is suitable for attracting new high-value manufacturing opportunities, such as electrolyser manufacturing, to Aberdeen and will also provide facilities that support supply chain companies. The flagship project within the campus is Green Hydrogen Test and Demonstration Facilities (GHTDF) which will provide state of the art hydrogen testing facilities for industrial users.

Value Chain Areas	Testing & validation	Pilot manufacturing	Digital tools & simulation	Open innovation spaces	Skills development
Production	✓	○	✓	✓	✓
Networks	○	○	○	○	✓
Storage	✓	○	○	○	✓
Transport	○	○	○	○	✓
Industry	✓	○	✓	✓	✓
Power	○	○	○	○	✓
Heat	○	○	○	○	✓

\*Tick = yes, ○ = potential, X = no

## Collaboration opportunities

- The North East of Scotland is an attractive European destination for low carbon and net-zero technology investment. The ETZ in Aberdeen will act as a catalyst for offshore renewables, production of hydrogen and CO2 storage; making a significant contribution to the net zero objective.
- The ETZ will support 2,500 direct jobs, with a further 10,000 energy transition-related jobs.
- Through the innovation, skills, hydrogen, and wind campus sites, there are many synergies for public and private sector partners across the entire hydrogen value chain to test, develop their products, or deliver projects.

## Centre location



## Hydrogen case studies

- Existing hydrogen production in Aberdeen for transport applications will be expanded in late 2024 via the new Aberdeen Hydrogen Hub, a public-private partnership between Aberdeen City Council and bp.
- Over 800MW of blue hydrogen will be developed via the Acorn Hydrogen project at St Fergus, sufficient to decarbonise the whole of the city of Aberdeen. The SGN "Aberdeen Vision" project is developing a hydrogen pipeline from St Fergus to Aberdeen to enable this.

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