



Port of Aberdeen Innovation Projects

Maritime UK Awards supporting evidence

APRIL 2024

www.portofaberdeen.co.uk



Current maritime and innovation projects



ZEVI

- HP Methanol Vessel Retrofit
- Shore Power - PLP & North Harbour
- Electric SOV with Methanol Range Extender

EETF - H2 Shore

- Study - Underwater Hydrogen Storage Feasibility

CMDC3

- Hydrogen Innovation - Future Infrastructure & Vessel Evaluation and Demonstration (HI-FIVED)

NORTHLINK

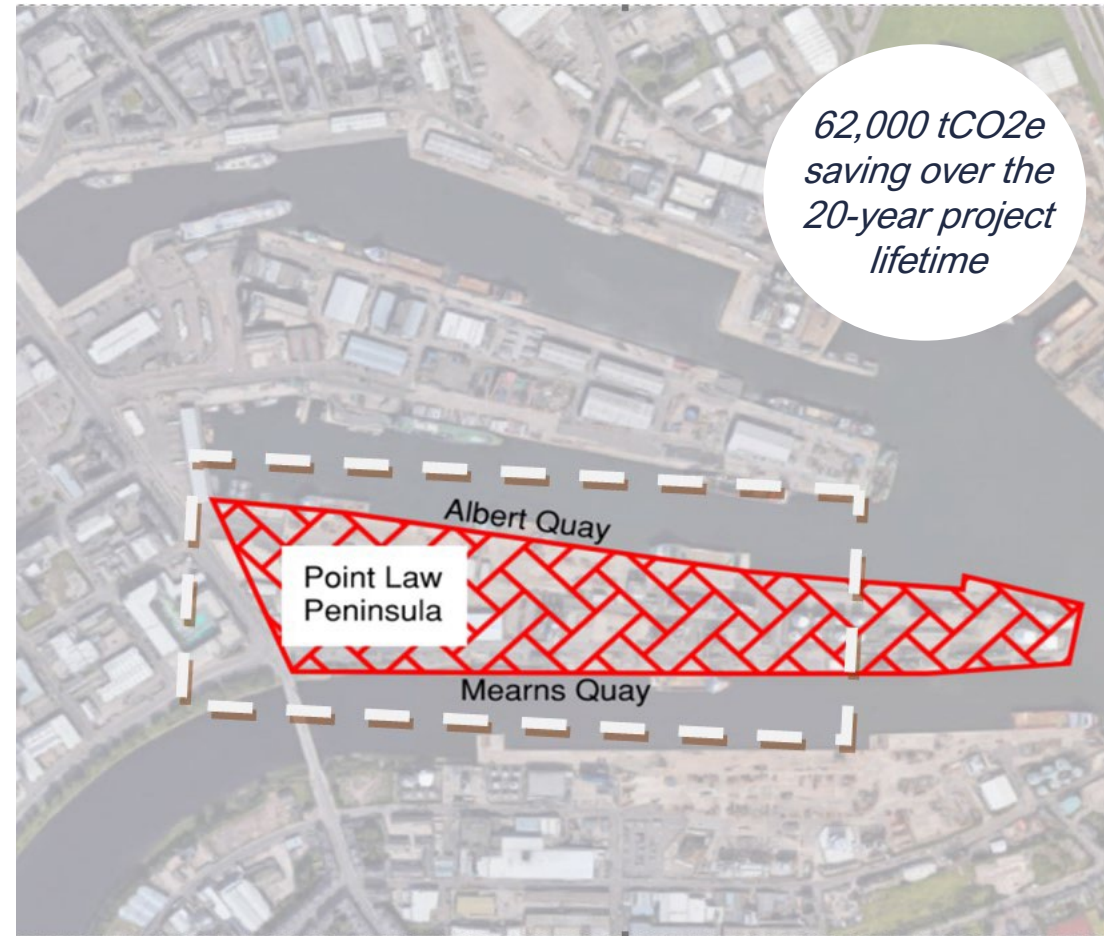
- Northlink Ferry Shore Power

CMDC2

- Study - Decarbonising South Harbour
- Study - Green Shipping Corridor



ZEVI – Shore Power in Operation

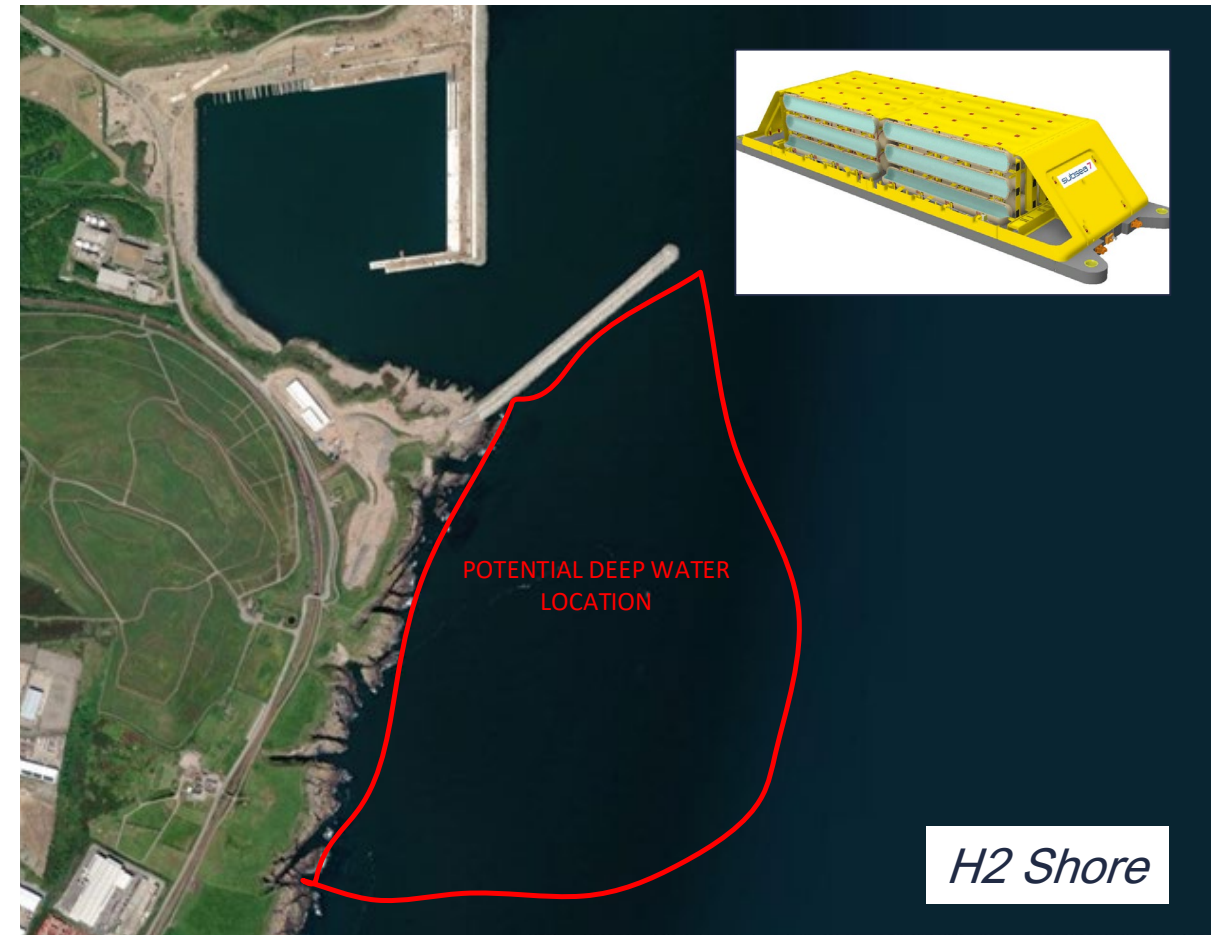


ZEVI – Bibby Marine and Ocean Infinity

- World's first zero-emission electric Service Operation Vessel (eSOV)
 - Battery system and dual fuel methanol engines for back up, along with associated shore-charging facilities
- Deployment of a UK-designed and built methanol conversion kit for a high-horsepower marine internal combustion engine
 - Key project work package will focus on bunkering process and providing industry case study to accelerate wider adoption



Hydrogen Projects – ACUA Ocean and H2Shore



Future projects and areas of possibility



- Floating Offshore Wind – South Harbour dredge
- Carbon Capture
- Building on learnings from previous projects to support Net Zero ambitions
- Next iteration UK Government funding