Port of Aberdeen
Innovation Projects

Maritime UK Awards supporting evidence

APRIL 2024

www.portofaberdeen.co.uk
Port of Aberdeen has set the ambitious target to be the first UK port to achieve net zero by 2040. Current maritime and innovation projects include:

- **2022:**
  - **NORTHLINK:** Northlink Ferry Shore Power

- **2023:**
  - **CMDC2:** Study - Decarbonising South Harbour
  - **CMDC3:** Hydrogen Innovation - Future Infrastructure & Vessel Evaluation and Demonstration (HI-FIVED)

- **2024:**
  - **ZEVI:**
    - HP Methanol Vessel Retrofit
    - Shore Power - PLP & North Harbour
    - Electric SOV with Methanol Range Extender
  - **EETF - H2 Shore:** Study - Underwater Hydrogen Storage Feasibility

- **2025:**

- **2026:**

These projects are part of Port of Aberdeen's commitment to sustainability and innovation in maritime operations.
ZEVi – Shore Power in Operation

62,000 tCO2e saving over the 20-year project lifetime
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