



Lowestoft Eastern Energy Facility

Serving the Southern North Sea Energy Industry

Andy Reay

ABP Head of Offshore Wind

25th May 2023

Associated British Ports

- The UK's largest ports group with a network of **21 ports** around Britain
- ABP handles around a quarter of the UK's seaborne trade.
- ABP's ports handle **£150 billion** of UK trade – including **£70 billion** of exports.
- Our ports contribute **£7.5 billion** to the UK economy and supporting **119,000** jobs.
- Offering **950ha (2,348 acres)** of development land in prime locations across the country.
- ABP is investing in new infrastructure, facilities and green technologies across the business.
- ABP is backed by shareholders committed to investing in the long-term growth of the business:



CPP Investments

OMERS

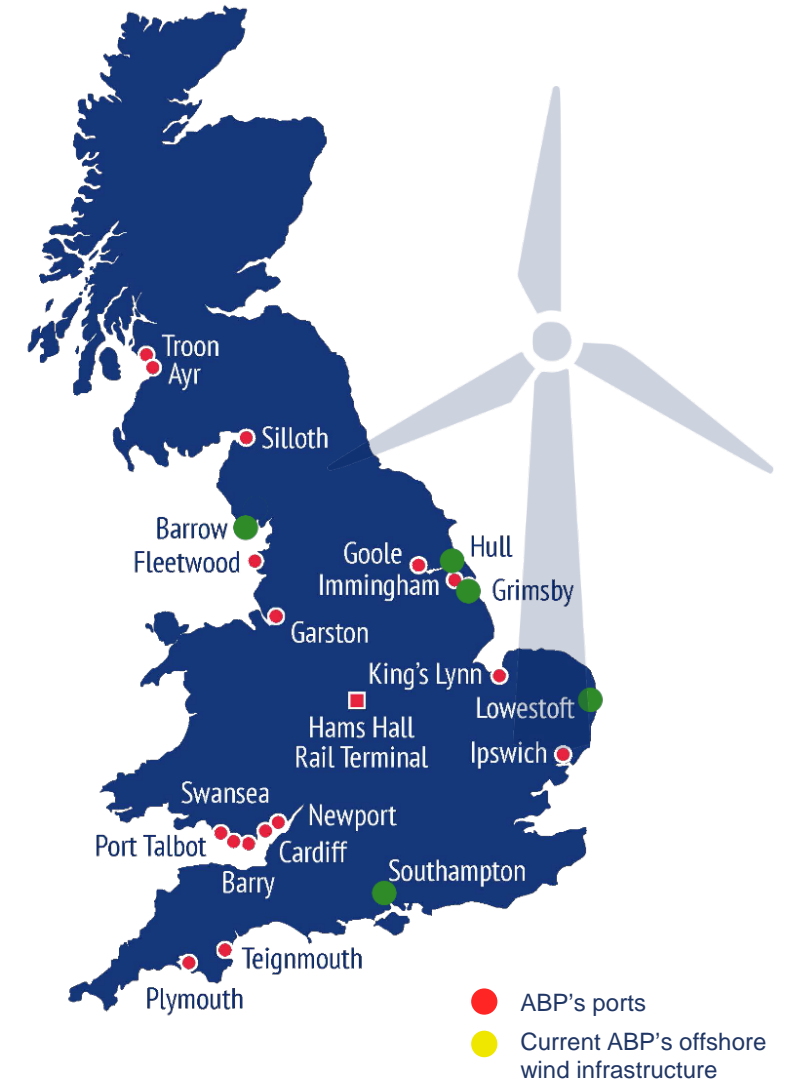
GIC

WHI
WREN HOUSE
INFRASTRUCTURE

Hermes
Infrastructure

ABP – Serving the UK's Offshore Wind Industry

- ABP hosts Siemens blade manufacturing facility and loadout port at Green Port Hull on the Humber
- OSW Operations & Maintenance facilities hosted by ABP support over 7GW (>50%) of installed capacity
- Grimsby is the largest UK O&M port supporting the most wind farms and the largest wind farms currently operational. Offshore Renewable Energy Catapult (OREC) research centre is located in Grimsby
- Barrow provides a home for a current cluster of Irish Sea wind farm O&M bases and is ideally placed to service the recently announced Irish Sea Crown Estate leasing round winners
- Lowestoft is the base port for both SSE's Greater Gabbard and Scottish Power Renewables East Anglia One O&M facilities and is well positioned to support future projects in the Southern North Sea



Lowestoft Eastern Energy Facility (LEEF)

- Redevelopment of the existing outer harbour port infrastructure
- Specifically designed to support both existing and emerging energy industries in the SNS
- Create a regional asset to drive economic activity related to the energy transition
- Act as a focal point for additional investments in the Region to support the wider economic development of Lowestoft





Ready for Tomorrow (LEEF)

- Integrated Energy hub port supporting the Southern North Sea
- Enabling the construction of energy infrastructure across the East of England region
- Alternative Fuel provision (whether onsite or offsite)
- Act as a spoke to a wider supply chain of decarbonised fuels and services connected to major hub facilities
- Innovation and clustering of services and support for Energy industries
- Skills development
- Biodiversity

Lowestoft Eastern Energy Facility (LEEF)



Designed to support offshore wind farms in the Southern North Sea, the award-winning LEEF project will attract many offshore wind supply chain companies to Lowestoft, bringing new jobs and prosperity to the area whilst safeguarding the important kittiwake population.

Viking carbon capture and storage (CCS) project



In 2022, Harbour Energy and ABP announced an exclusive commercial relationship to develop a CO₂ import terminal at the Port of Immingham, the UK's largest port by tonnage. The terminal will provide a large-scale facility to connect CO₂ emissions from industrial businesses around the UK to high-capacity CO₂ geological storage sites under the North Sea.

Green Port Hull



Green Port Hull (GPH) was a £310m joint investment between ABP and Siemens Gamesa. GPH created a renewable energy hub with world-class offshore wind turbine blade manufacturing, assembly, and servicing facilities as its centrepiece. The facility is set to double in size as development in the North Sea accelerates.

Immingham Green Energy Terminal



In 2022, ABP and Air Products announced their intention to partner in bringing the first large-scale, green hydrogen production facility to the UK. The facility, which will be located at the Port of Immingham, will import green ammonia, which will be used to produce green hydrogen to help decarbonise hard-to-abate sectors such as transport and industry.

Kittiwakes (LEEF)

- ABP worked with Scottish Power and Vattenfall
- Accommodation for up to 430 pairs
- Critical to the consenting of upcoming offshore wind projects in the SNS
- Designed to limit the impact of kittiwakes on the town
- “This project is a great example of how responsible renewables development can ensure that windfarms and wildlife can happily co-exist so we can all benefit from a cleaner and greener future.” SPR



Ready for Tomorrow

ABP | ASSOCIATED
BRITISH PORTS



Visit our Ready For
Tomorrow website
for regular updates

Join us as we get Ready for Tomorrow and help create a more sustainable world for future generations.

Share your thoughts and ideas with us on our website: <https://www.abports.co.uk/readyfortomorrow> or via social media with

#ReadyForTomorrow

