



PORT OF BLYTH

BATES CLEAN ENERGY TERMINAL

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INTRODUCING BATES TERMINAL

The Port of Blyth continues to enhance its reputation as one of the UK's leading offshore energy support bases with the launch of Bates Clean Energy Terminal, a major low carbon redevelopment scheme.

Infrastructure works including a substantially upgraded heavy lift quay and 5 hectares of development land remediation are to be combined with a range of low carbon initiatives and innovation, to meet the needs of the offshore and renewables sector at the modern 17 hectare terminal. These upgrades will support Government ambitions set out in the Clean Maritime Plan and 2050 net zero targets whilst also serving the operational needs of the offshore wind industry as it moves to adopt clean maritime technologies and dramatically reduce emissions associated with operation and maintenance.

Specific objectives include zero carbon mine water heating to buildings, port electrification including heavy cranes, solar and other renewable power generation, shore-to-ship power, robotics, automation, alternative fuel innovations to support next generation vessels and much more. These exciting initiatives are to be delivered with support from a growing number of regional and national partners.

Bates Clean Energy Terminal is not just the right location because of its low carbon credentials but also offers excellent connectivity. The Port has uncongested road and rail links, with Newcastle International Airport only a 20 minute drive away. Heavy / abnormal load routes ensure easy access to and from the motorway network for wind turbine components, subsea equipment and a range of other project pieces.

Excellent access from sea is also guaranteed by a tidal deep water port accessible in virtually all weather conditions. Vessels have direct access to open sea with no locking in or out or air draft restrictions.

Based in the North East of England, Port of Blyth also benefits from being located in a lead region for offshore energy with extensive research and development, good cost-effective skill base and a well-developed supply chain, particularly around the Blyth Estuary.



LOW CARBON MINE WATER HEATING INNOVATION

ALTERNATIVE FUELS EXPLORATION

SOLAR POWER & ENERGY EFFICIENT BUILDINGS

PORT ELECTRIFICATION

SUBSTANTIALLY UPGRADED HEAVY LIFT QUAY

UNIQUE WIND TURBINE TRAINING FACILITY

TERMINAL FEATURES

- ★ 17HA TERMINAL WITH TWO HEAVY LIFT QUAYS SUITABLE FOR VESSELS UP TO 8 METRES DRAFT
- ★ 5 HECTARES OF FULLY REMEDIATED, PRIME QUAYSIDE DEVELOPMENT LAND AVAILABLE
- ★ MATURE SUPPLY CHAIN ON SITE OFFERING COMPREHENSIVE SUPPORT TO THE OFFSHORE ENERGY SECTOR
- ★ ELECTRIC HEAVY LIFT CRANAGE AVAILABLE UP TO 120 TONNES CAPACITY
- ★ MARINE FUEL TERMINAL ALLOWING FOR SIMULTANEOUS FUELLING AND OPERATIONAL ACTIVITY
- ★ NATIONAL AND REGIONAL INCENTIVES AND SUPPORT AVAILABLE TO INWARD INVESTORS

PARTNERS

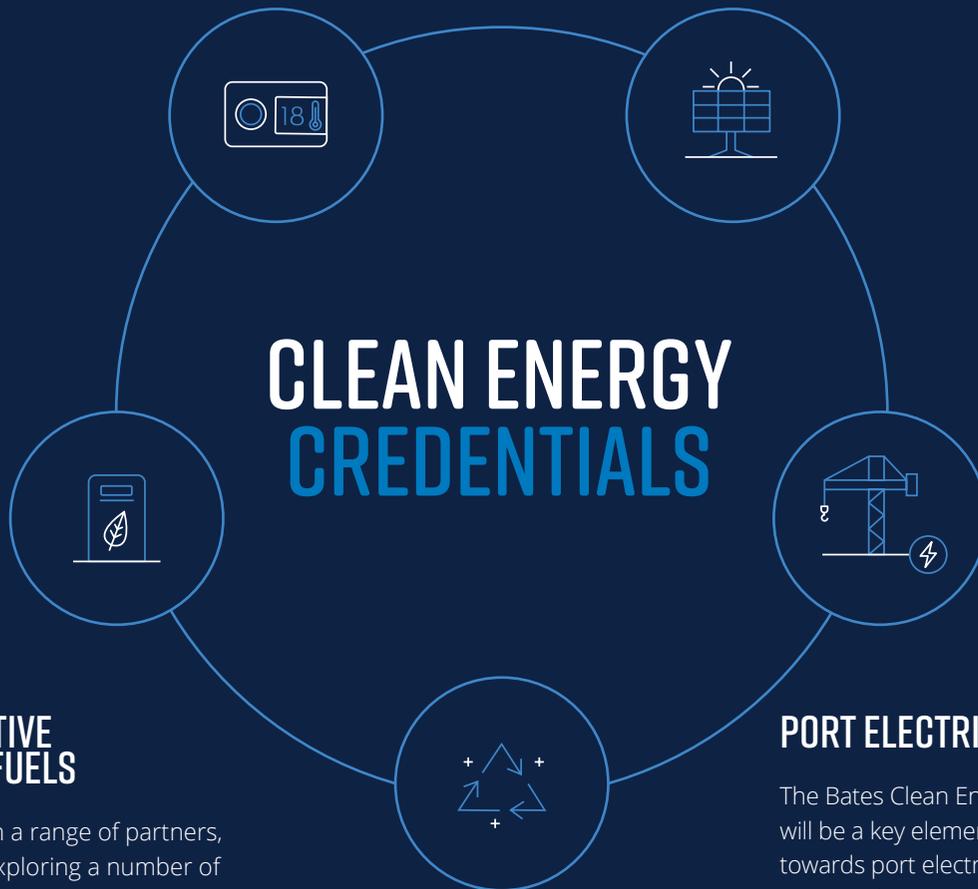


MINE WATER HEATING

A project to extract heat from mine water from a site adjacent to the Bates Clean Energy Terminal is advancing well with private and public sector support across the region. This project could provide a significant amount of heat for buildings across the terminal on a net zero carbon emission basis.

SOLAR POWER

The Port is committed to installing latest technology solar power PV panels onto the earth bund on the terminal's western perimeter and on to the roofs of newly constructed buildings across the site where feasible. These will further reduce the carbon footprint of operators on site, offering a clean, energy efficient power supply.



ALTERNATIVE MARINE FUELS

Working with a range of partners, the Port is exploring a number of alternative vessel fuel solutions all linked to the decarbonisation agenda. These include current lower carbon alternatives to marine gas oil and innovations such as green hydrogen which offer significant future opportunities to decarbonise the world's fleet of commercial vessels.

CLEAN ENERGY INNOVATION

Working with the adjacent Offshore Renewable Energy Catapult, the Port is exploring further technological innovations focused on increased efficiency and decarbonisation. The collaboration will consider a range of potential opportunities including green hydrogen demonstration, subsea robotics, vessel automation/power, renewable energy microgrids and any other initiatives that support growth and innovation across the renewables sector.

PORT ELECTRIFICATION

The Bates Clean Energy Terminal will be a key element in the drive towards port electrification in Blyth as part of support for national Net Zero 2050 targets. This will include moves to deliver shore-to-ship power and the decarbonisation of plant and equipment including everything from forklift trucks to heavy lift cranes. The Port has committed to a new 120 tonne capacity electric crane to be delivered to the terminal during 2021.

OFFSHORE ENERGY EXPERIENCE & DEVELOPMENT OPPORTUNITIES

With a wealth of offshore energy and renewables experience aligned with world class testing facilities and numerous quayside development opportunities available, Port of Blyth & Energy Central has a great deal to offer.



Energy Central is a unique partnership between Advance Northumberland, the Port of Blyth, Offshore Renewable Energy Catapult and Northumberland County Council which, in addition to the port's experience and expertise, brings together:

- Nearly 200 HA of strategic, quay linked development sites
- Internationally recognised provision for offshore renewable energy related technology innovation and research from Offshore Renewable Energy Catapult
- Market access offshore energy developments in the North Sea including offshore wind projects (Dogger Bank, Hornsea and Firth of Forth)
- National energy infrastructure including the North Sea Link UK/Norway Interconnector and National Grid assets

This partnership is underpinned by access to a readymade skills base, a highly connected location and an established offshore energy and fabrication cluster to support your operations at Energy Central.

Advance Northumberland and the Port of Blyth have a selection of strategic land development sites across the Blyth Estuary, identified as prime locations for energy sector businesses looking to relocate and grow in Northumberland. The partnership also offer a series of investment packages and incentives from fully serviced land and infrastructure to complete turnkey solutions.



Port of Blyth has a well-established reputation as one of the UK's leading offshore energy support bases and is a trusted partner of some of the sector's world leading companies.

Our experience of handling and storing large project pieces and completing complex lifts is extensive, covering onshore and offshore wind turbine components, umbilicals, flow-lines, cables, ROVs, subsea ploughs, A-Frames, carousels and tower lay systems to name but a few.

The Port's main asset is its workforce who have an absolute focus on delivering a first-class service to a growing list of valued partners and customers.

Port Training Services, the Port's award winning training division, is one of the leading providers of port related vocational qualifications across the UK and has a growing reputation for wind sector related training. The Port's unique £1m Wind Turbine Training Facility, located on the Bates Clean Energy Terminal, is an open access training facility featuring a full size turbine and brand new classroom facilities.

The Port's wholly owned subsidiary Transped provides a world wide logistics service and a dedicated packing provision with vast experience of supporting customers in the offshore energy sector.

Ultimately, with a strong reputation for creating successful partnerships and offering competitive port costs, the Port of Blyth is confident of providing highly attractive solutions to the sector.



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