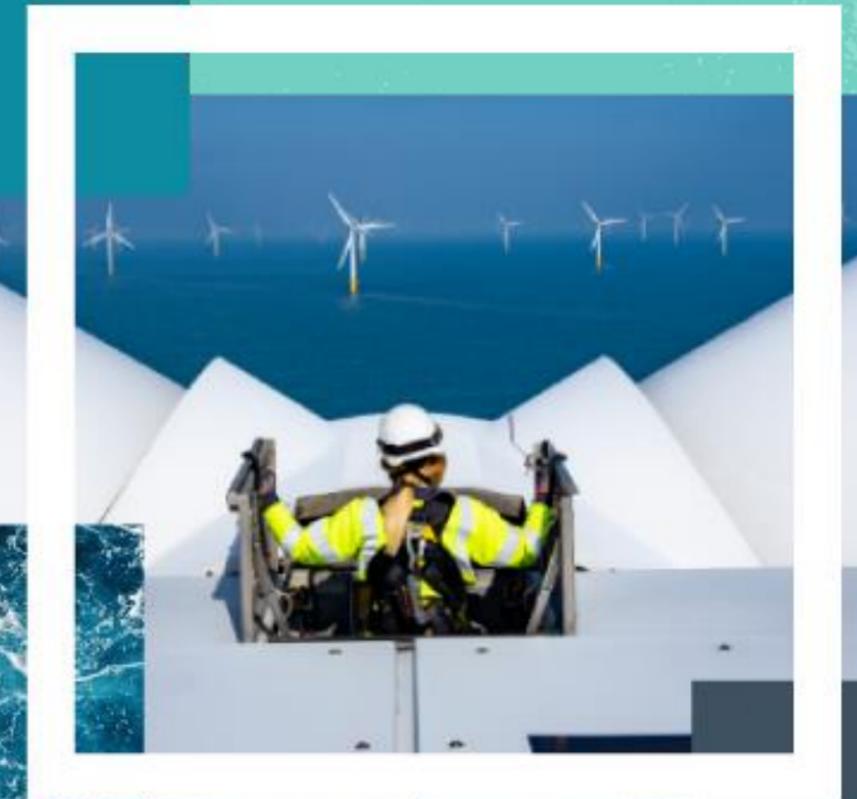
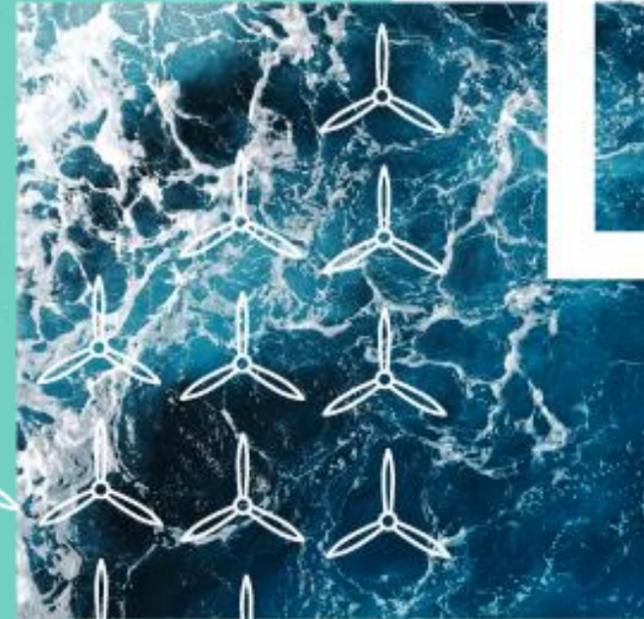


Berwick Bank Wind Farm

Introduction to Cambois Connection

Overview Slides

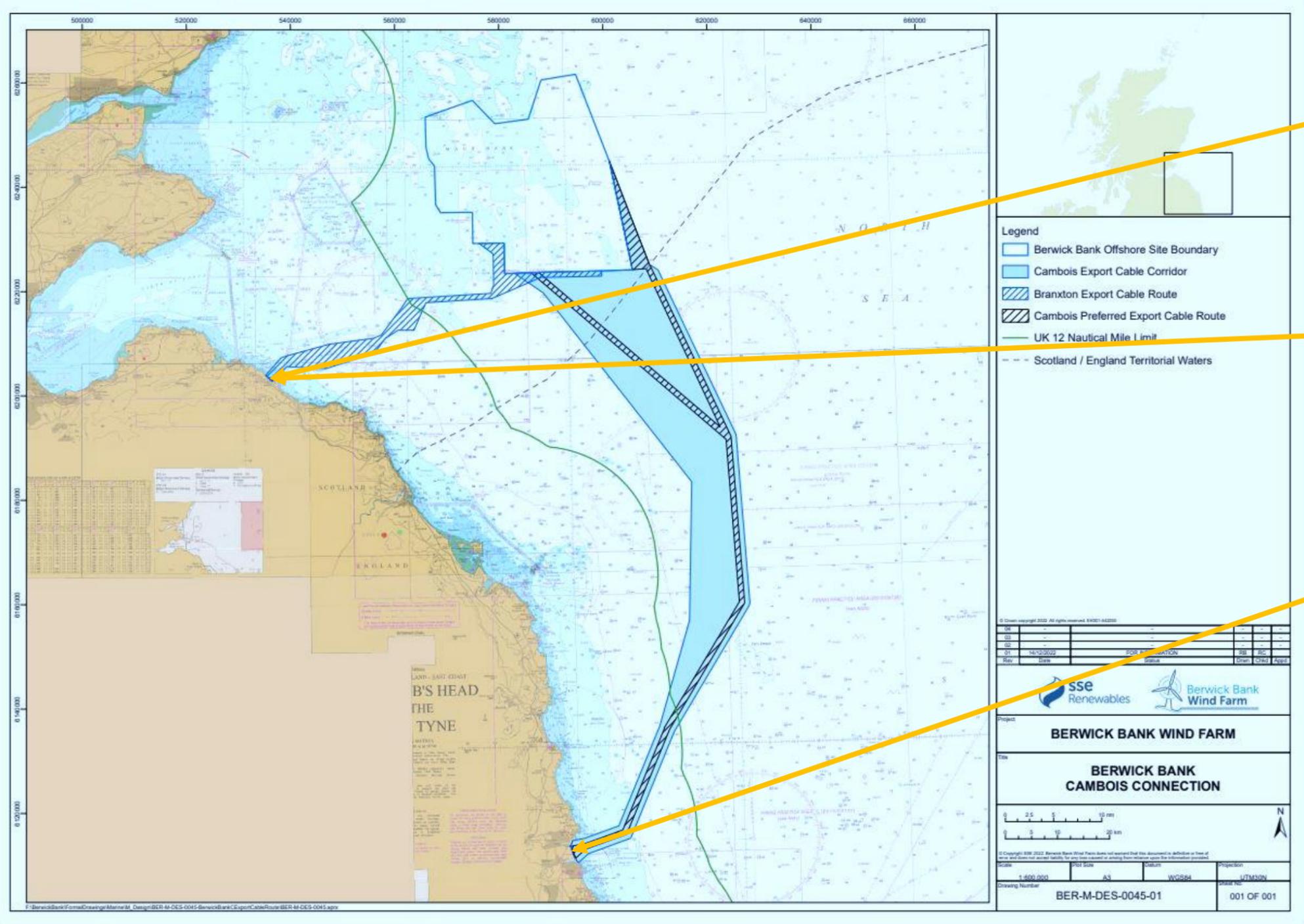


Berwick Bank Wind Farm

- 4.1 GW Wind Farm – one of the largest in the world
- Can power over 5 million homes
- 38km off the East Lothian coast
- Two confirmed grid connection locations – East Lothian (2.3GW) & Blyth (1.8GW)
- Berwick Bank Offshore Infrastructure
 - Up to 307 turbines
 - Up to 8 export cables (East Lothian)
 - Up to 8 offshore substation platforms
- Crucial to UK energy security and Gov Targets of 50GW offshore wind by 2030
- Planning submitted for Scottish elements of the Project in Dec 22



Berwick Bank Wind Farm – Grid Connections



1. Berwick Bank A

1.15GW connection at Branxton in Nov 2027

2. Berwick Bank B

1.15GW connection at Branxton in Dec 2027

3. Berwick Bank C

1.8GW connection at Blyth in Oct 2031

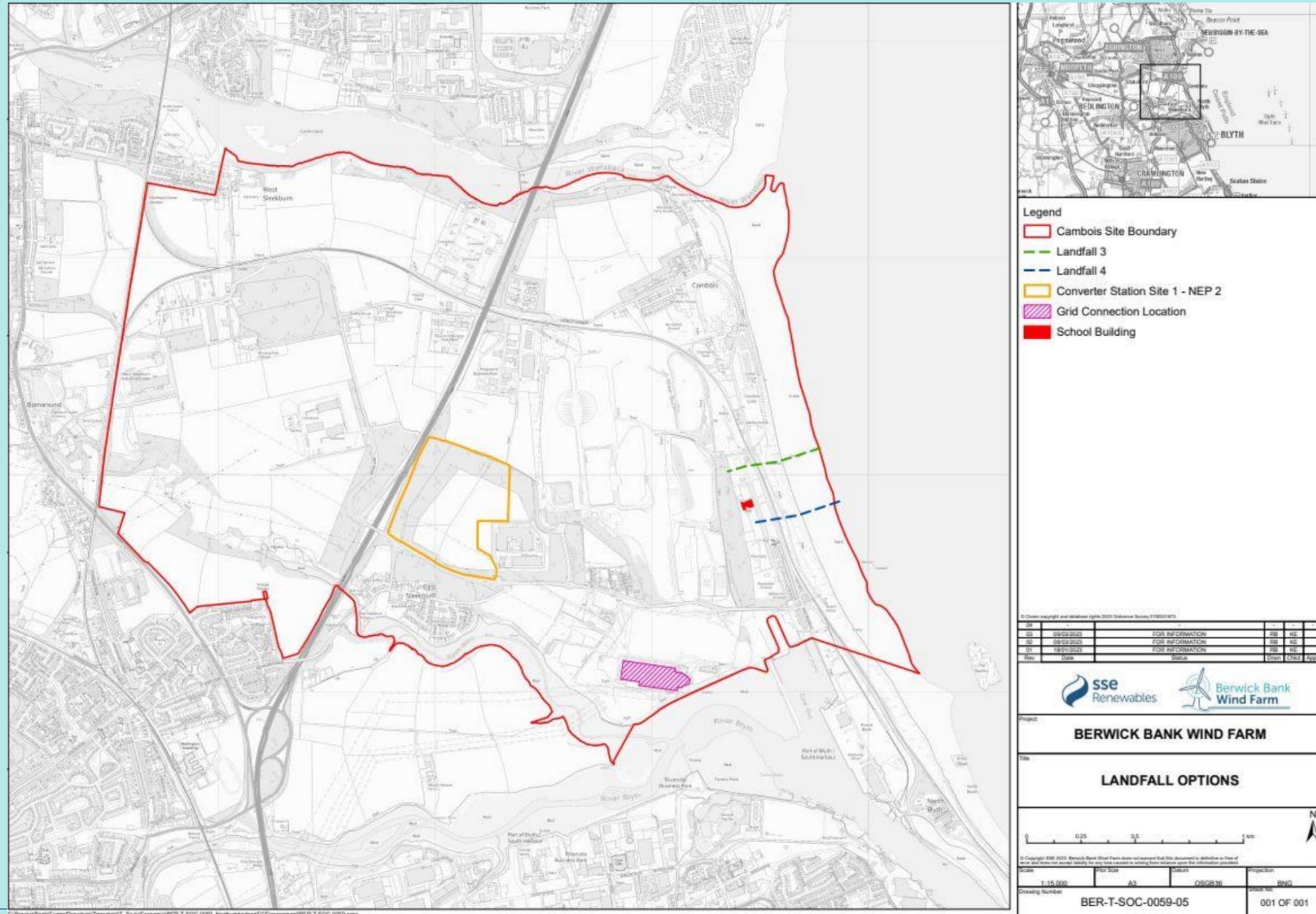
Berwick Bank C – Intro

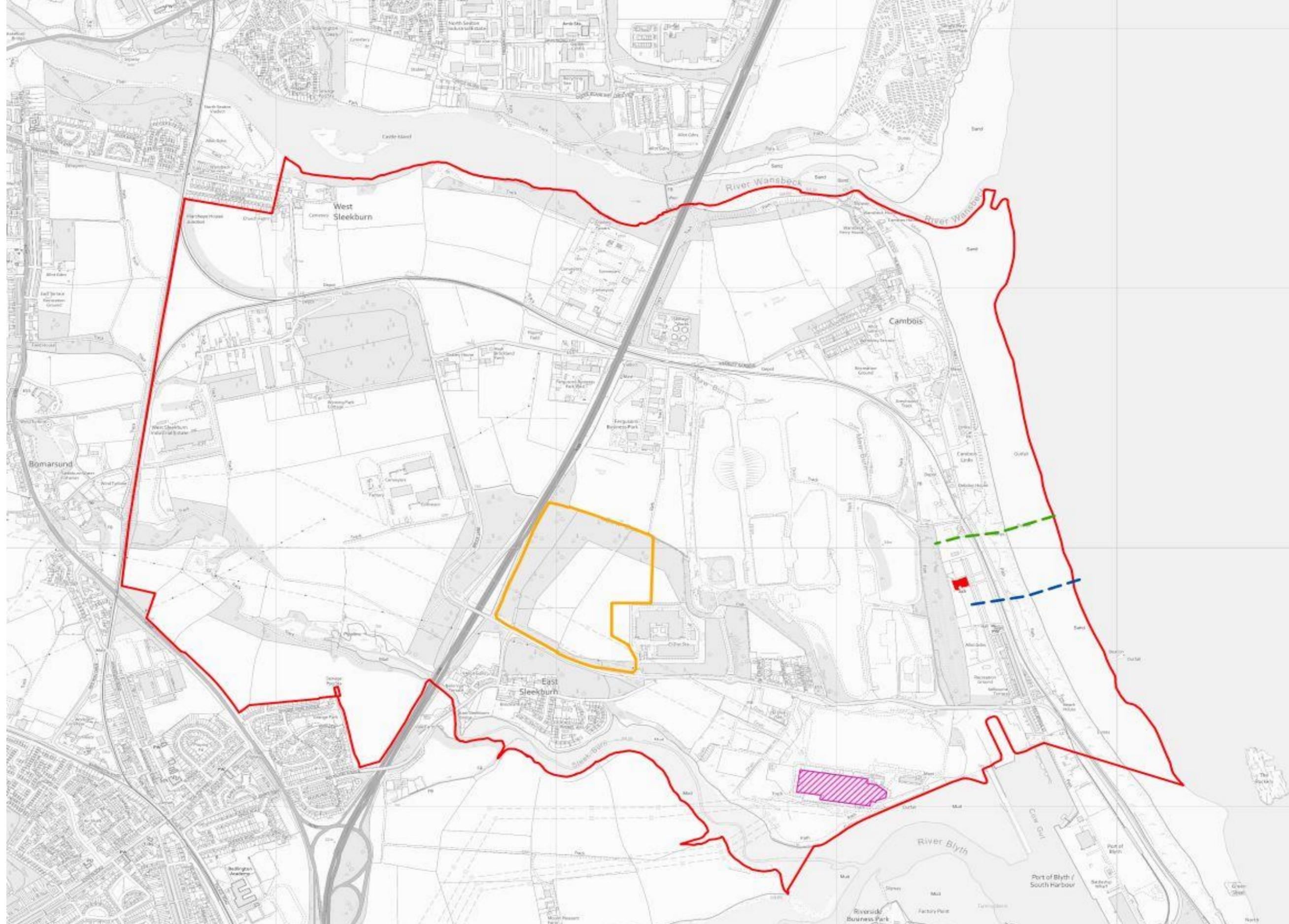
- 1.8GW connection to Blyth substation (Cambois landfall) in Oct 2031
- Up to 4 HVDC export cables
- An HVDC converter station required (offshore and onshore at Cambois)
- Scoping Report(s) (offshore and onshore) submitted in October 2022
- Consent application to be submitted:
 - Jul 2023 – Offshore export cable
 - Sep 2023 – Onshore cable, converter station
- Red boundary recently refined to a preferred cable route and HVDC converter station location – to be consulted with stakeholders and local community
- Offshore and onshore surveys ongoing



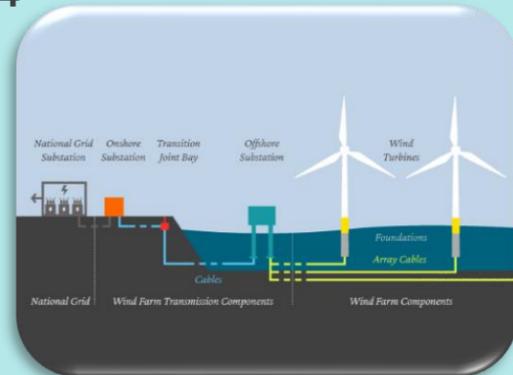
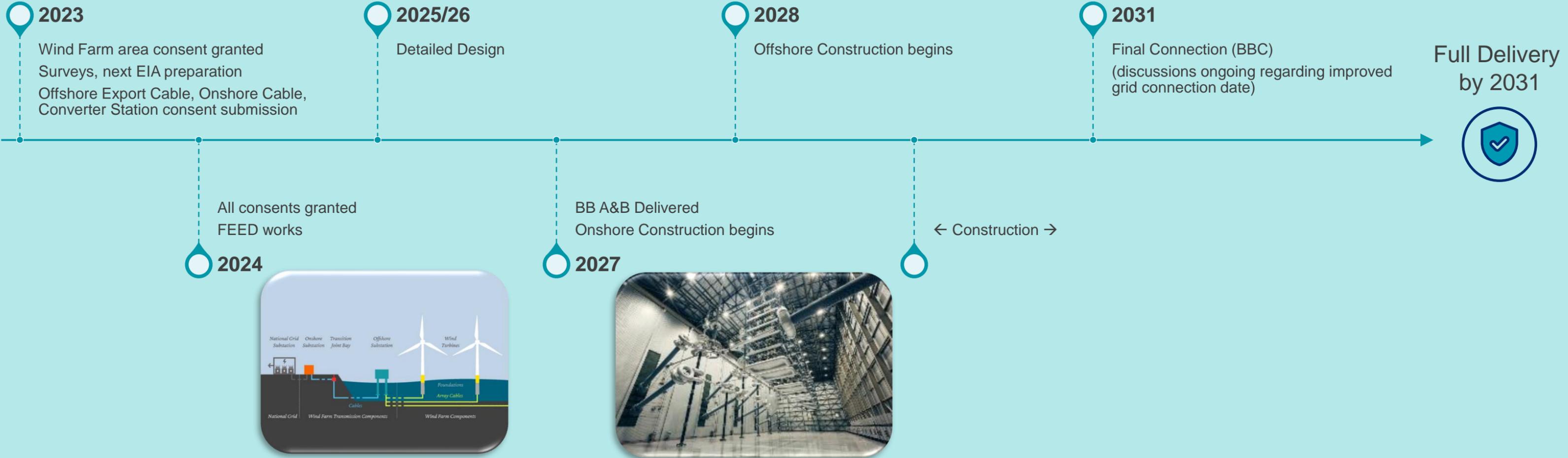
Potential Cable Routes

- Studies undertaken in early 2022 to identify potential landfall areas
- 3 areas were originally identified as options – following further investigation, this has been reduced to a preferred landfall area
- 2 potential cable corridors being considered – south and north of Cambois Primary
- Potential landfalls further north have been ruled out due to significant constraints (existing infrastructure, cabling works, environmental protected areas, shallow coal mining, coastal erosion etc)
- We are in a fortunate position that we can begin our design alongside the communication with Cambois Primary





Berwick Bank C Timeline



Berwick Bank C – Stakeholder Engagement

- Establishing relationships with local partners – NCC, Advanced Northumberland
- Engaging with with Blyth Harbour, NIFCA and fishing community
- Environmental meetings held with MMO/Natural England
- Introduction to East Bedlington Parish Council – Jan 23
- Introduction to Blyth Valley Paris Council – May 23
- STEM commitment
- Public engagement held May 23
- Further Public Engagement – August/Sept 23



THANK YOU

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For a better
world of energy