



# CCS Projects in the UK

HyNet North West

Bacton Thames Net Zero

May 2024

Eni UK

# Eni UK – Carbon Capture & Storage



Eni acts as key stakeholder and contributor to the UK's industrial decarbonisation, by spearheading two "CCS Clusters":  
HyNet North West and Bacton Thames Net Zero

- HyNet as world's first asset-based regulated CCS business:



mobilising billions in investments,



creating thousands of jobs



helping protect existing UK industries

- Bacton as a step into the future for UK CCS sector, thanks to strategic location and fast time-to-market:



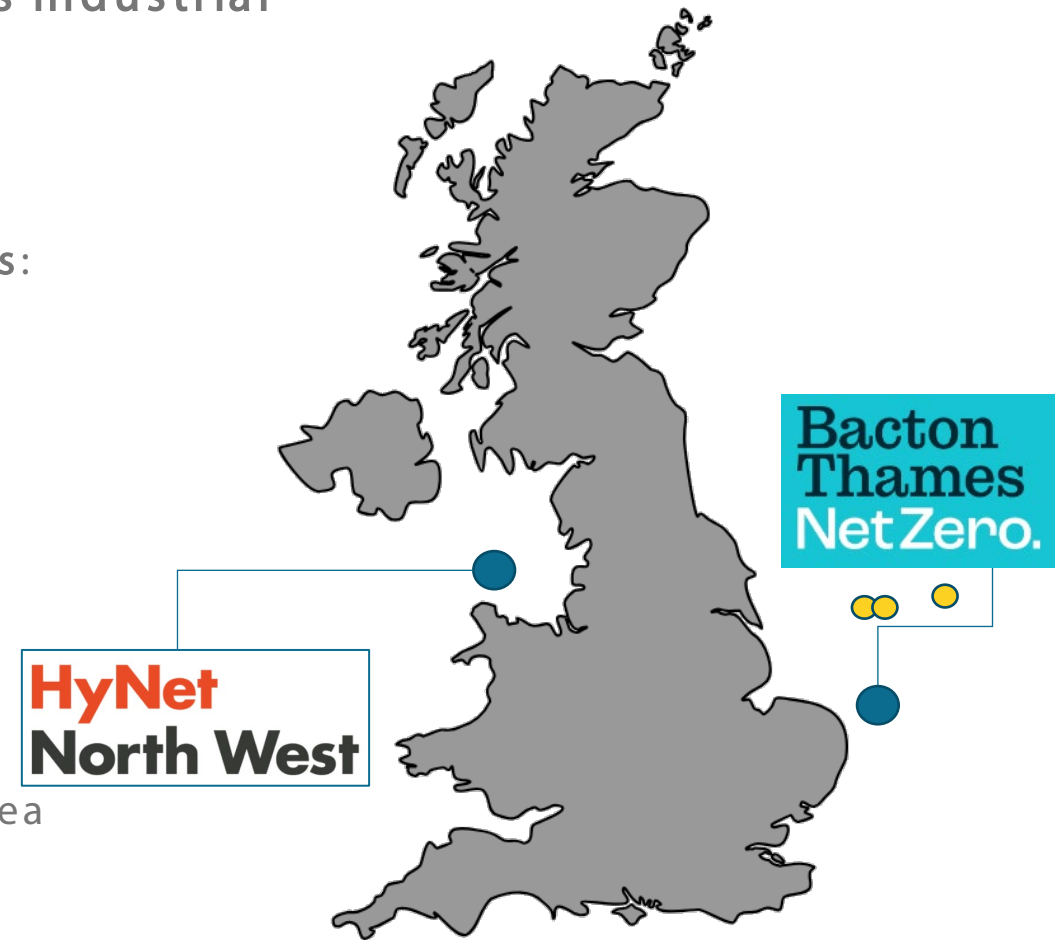
decarbonising South-East region & London industrial area



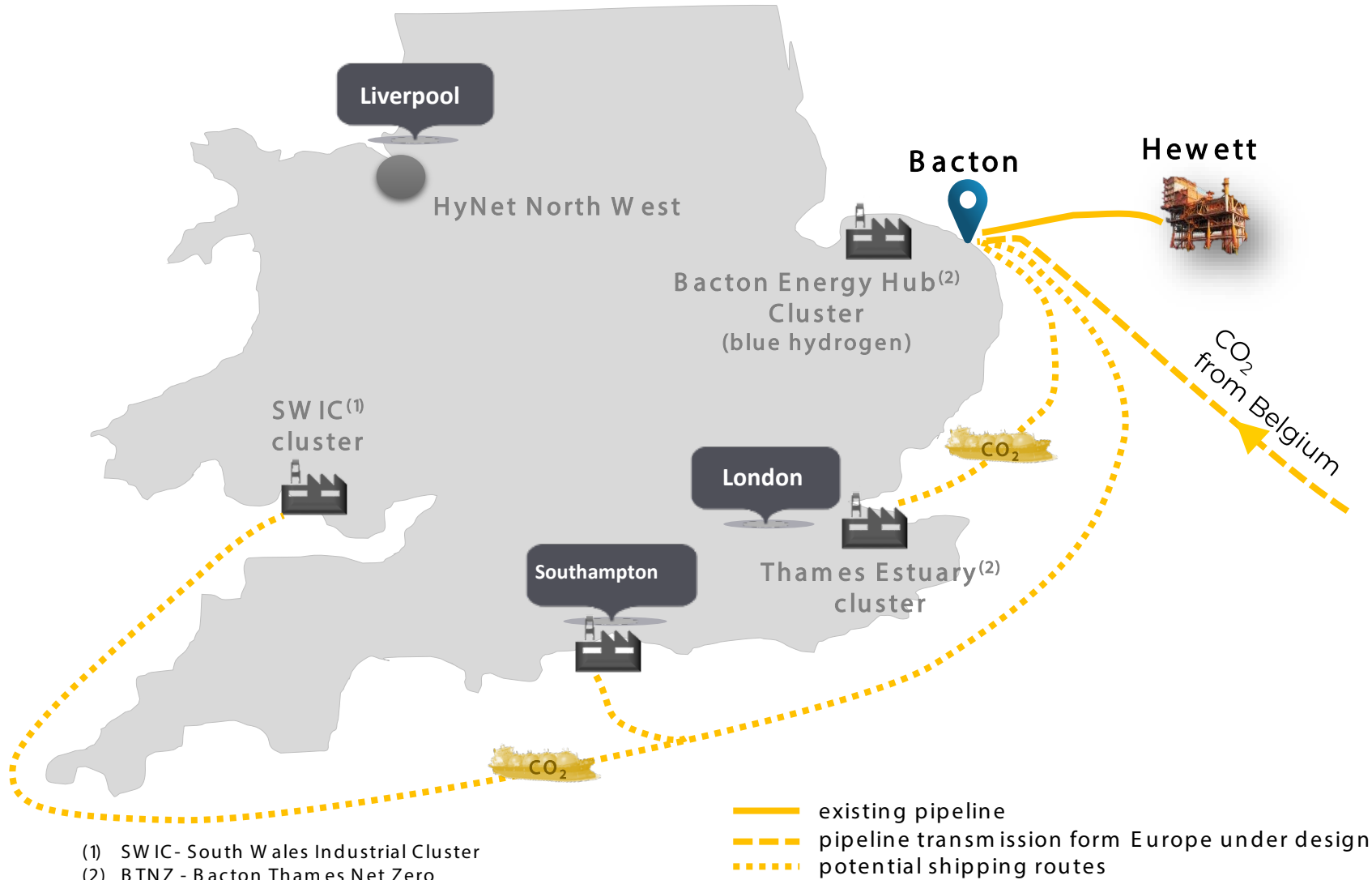
attracting CO2 flows from Europe



ensuring value-for-money towards merchant-based model



# Bacton CCS project – step into the future



## ~300 MT

- CO<sub>2</sub> storage availability for Hewett field
- Depleted gas field under decommissioning

## Strategic position

- Proximity to end-user market
- Close to emission cluster

## Infrastructure in place

- Bacton gas terminal
- Gas network

## 13 Agreements (up to 18 mtpa)

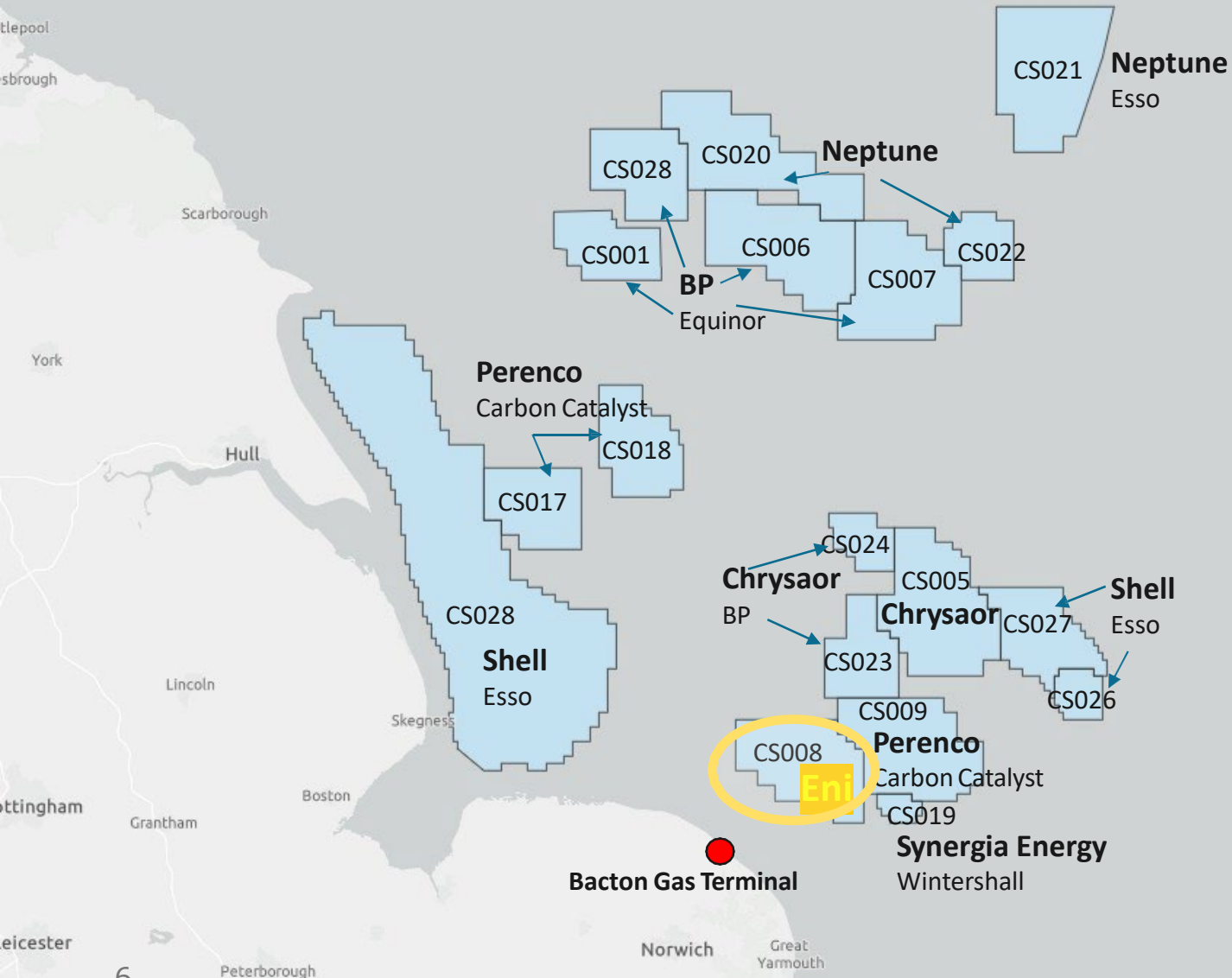
- BTNZ Cooperation Agreement

## Cost effective

- Low T&S technical costs
- Storing both domestic & foreign CO<sub>2</sub>
- Fast time-to-market

# UK Storage Potential From Bacton

NSTA –CCSLicences in Southern North Sea  
(Oct-23, operator in bold)



- Eni awarded CS008 in August 2023
- Most proximal licence to Bacton
- Most advanced in activity out of recent licencing round.

Southern North Sea (SNS) has significant storage potential for UK and European customers

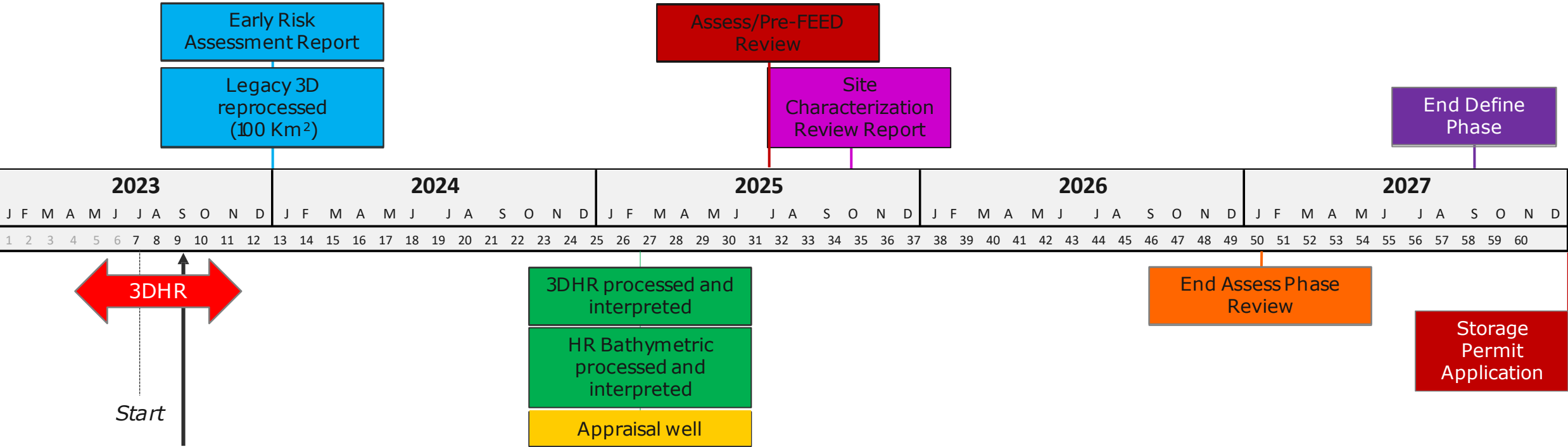
Potential SNS storage capacity available from Bacton: **15 Gigatonnes\***

- Equivalent to around **90 years** of current total UK Energy Supply and Business CO2 emissions (172MT/y).
- Total UK offshore storage capacity including Central North Sea, Northern North Sea and East Irish Basin total to **78 Gigatonnes** equivalent to **450 years** of current Energy Supply and Business CO2 emissions.

\*ref. CO2 STORAGE Evaluation Database (CO2 Stored). The UK's online storage atlas

# CS008 – Work Programme Key Milestones

- License start: 1st July, 2023
- Appraisal Term: 5 years



# Bacton Gas Terminal



# BTNZ – a regional cluster with a European dimension



## The South East of UK:

- 23% of UK total CO<sub>2</sub> emissions
- High Priority area for decarbonisation
- Scope for international CO<sub>2</sub> trade/storage

*Positioning the UK as market leader*

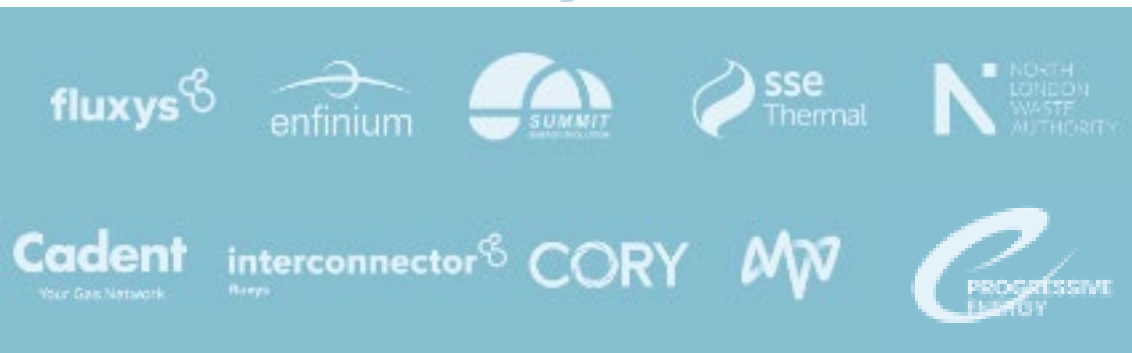
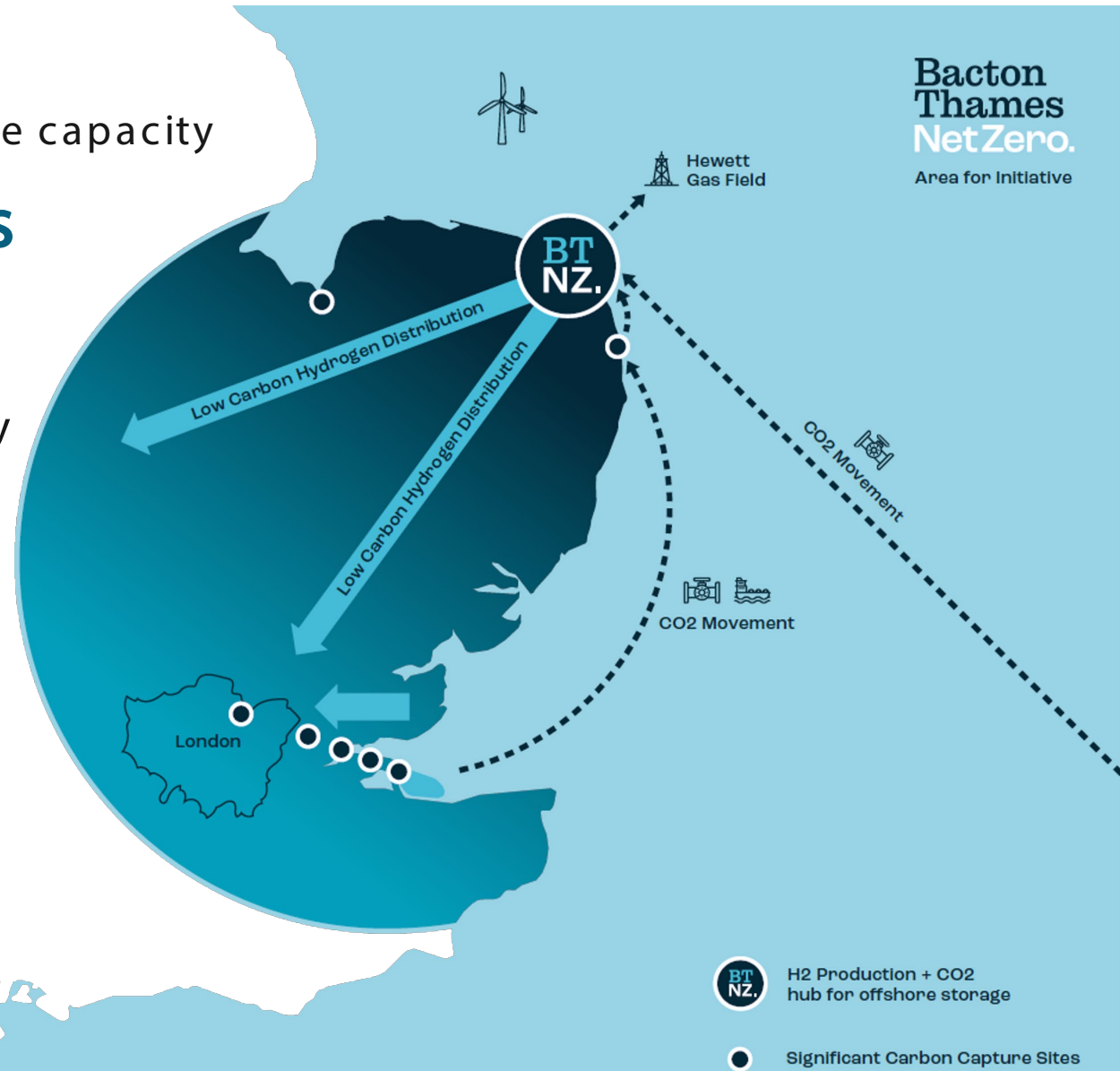
Hewett Total storage capacity

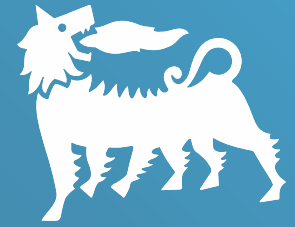
## 300 Mtons

## 10 Mtons

CO<sub>2</sub> captured annually

Dem and driven consortia led by Eni





THANK YOU

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