

KEADBY 3 CCGT+CCS

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PRINCIPAL PARTNER
UN CLIMATE
CHANGE
CONFERENCE
UK 2021

IN PARTNERSHIP WITH ITALY

FLEXIBLE GENERATION AND ENERGY STORAGE

How we deliver the UK and Ireland's ongoing energy needs



Flexible generation

- We operate five of the most flexible and efficient gas-fired power stations in the UK and Ireland
- These complement renewable generation by providing reliable capacity at scale in response to market changes and events
- When completed, our 840MW Keadby 2 will be the cleanest and most efficient CCGT in Europe

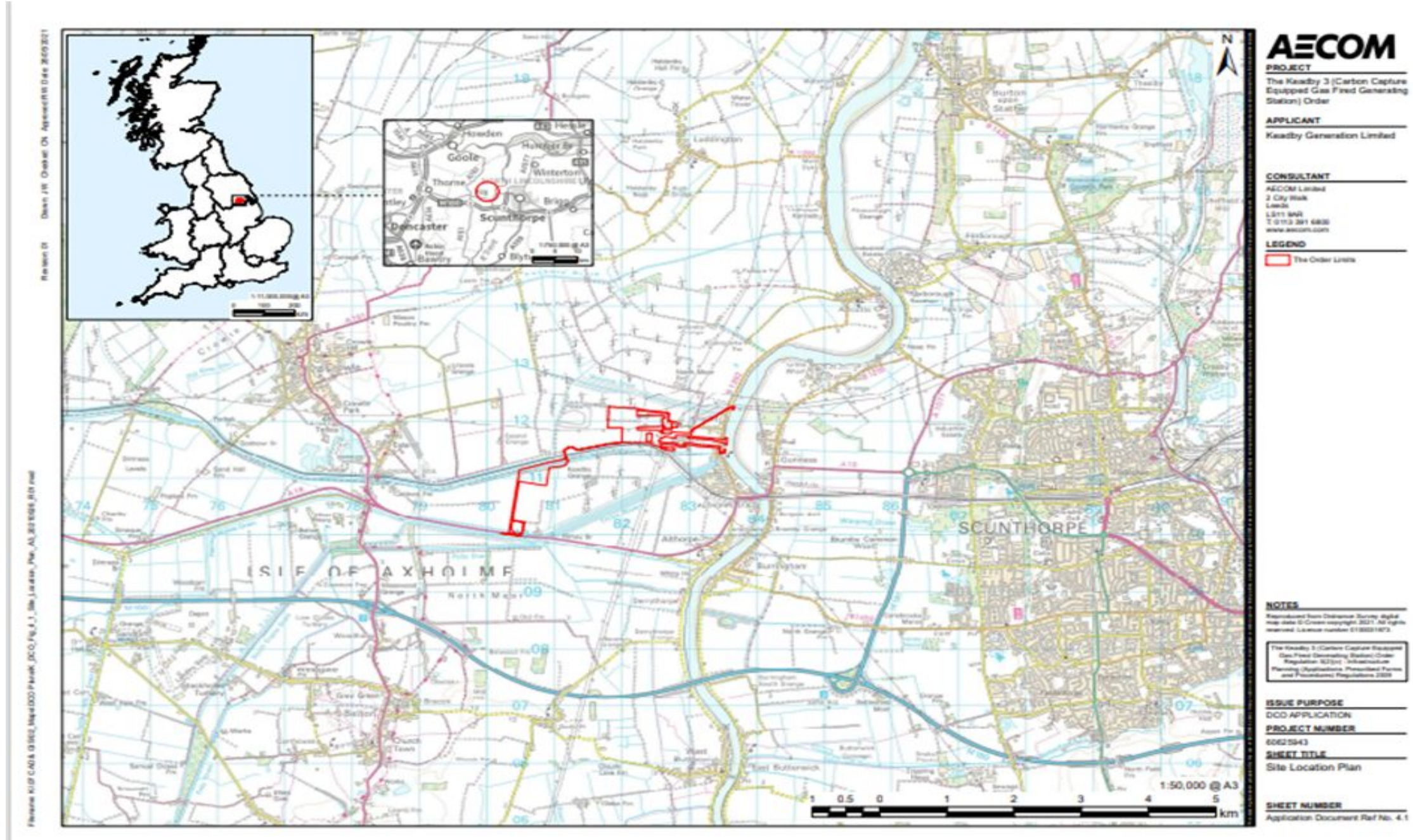
Energy storage

- We hold around 40% of the UK's conventional gas storage capacity at our Aldbrough and Atwick sites in East Yorkshire
- These sites offer valuable flexibility and hedging services to the UK and interconnected gas markets

|| WHAT IS KEADBY 3?

- A CCGT equipped with post combustion carbon capture capability
- CCGT will generate 700-800MW in abated mode
- Part of the Zero Carbon Humber section of the East Coast Cluster (track 1 cluster)
- 12 month Front End Engineering Design (FEED) study awarded in May 2022 to ASD – Aker Solutions, Siemens Energy and Doosan Babcock.
- Carbon Capture technology developed and licenced by Aker Carbon Capture
- Capability to capture 1.5M Tonnes of CO₂ annually – 5% of UK government's 2030 target
- Development Consent Order (DCO) determination expected Dec 2022
- 12th August 2022 BEIS announced Keadby 3 as a track 1 project in the cluster sequencing process.

KEADBY 3 SITE





Project Focus Areas

CCGT+CCP Integration

CO2 Transport and Storage network

Dispatchable Power Agreement

Dispatchability
CO2 Capture Rate
Availability
Performance

Questions & Answers

