

Geophysical and Geotechnical Surveys with Local Contractors

Sheringham Shoal & Dudgeon Extension Projects

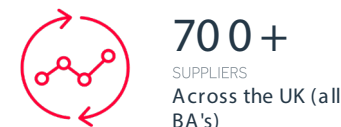
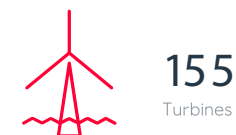
Antoine Bertrand, Bouchra Souab & Elisabeth Grindstad

17.4.24

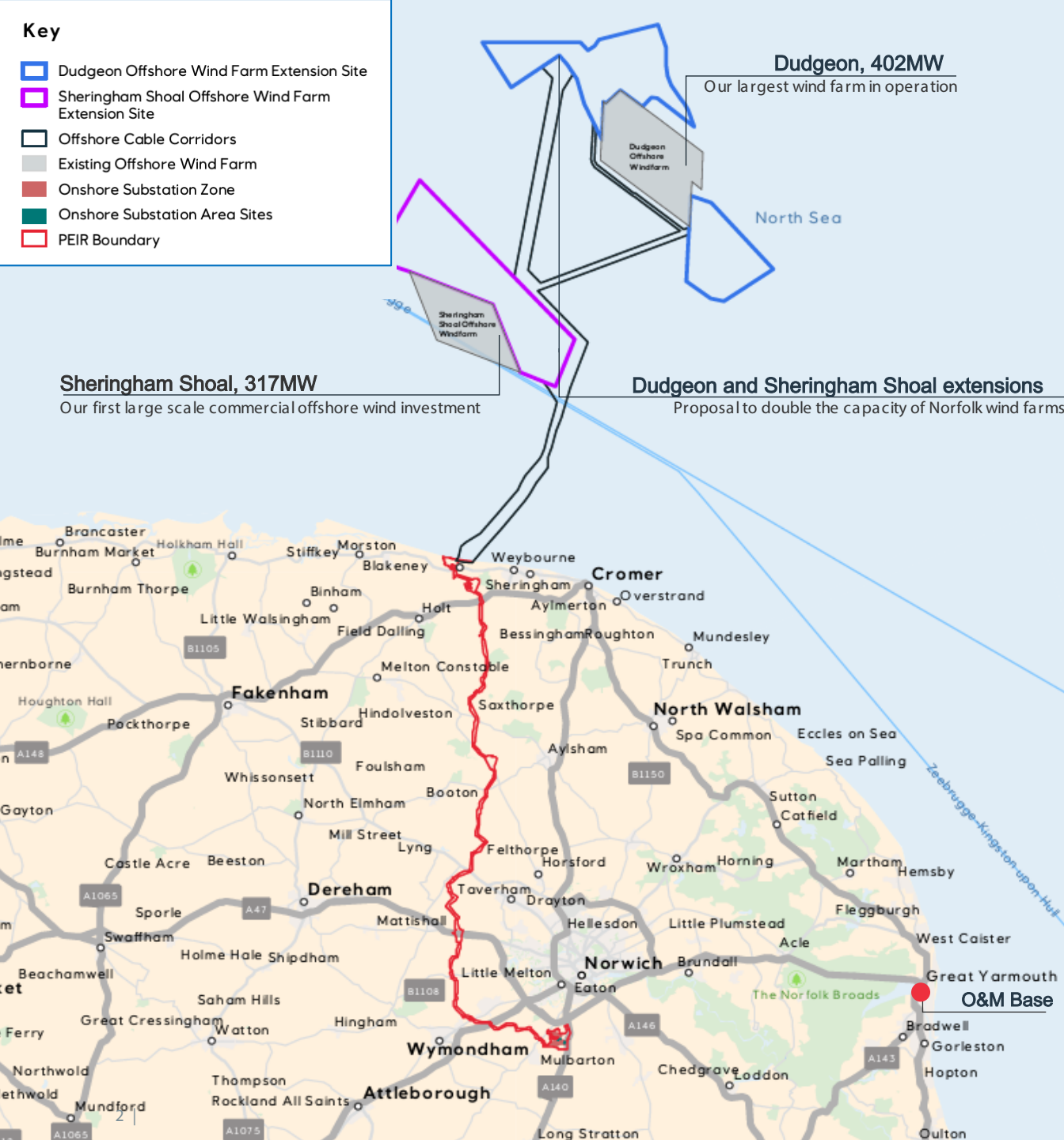
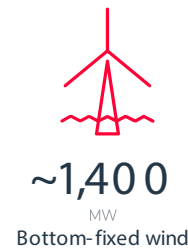


Equinor in the Greater Wash Area:

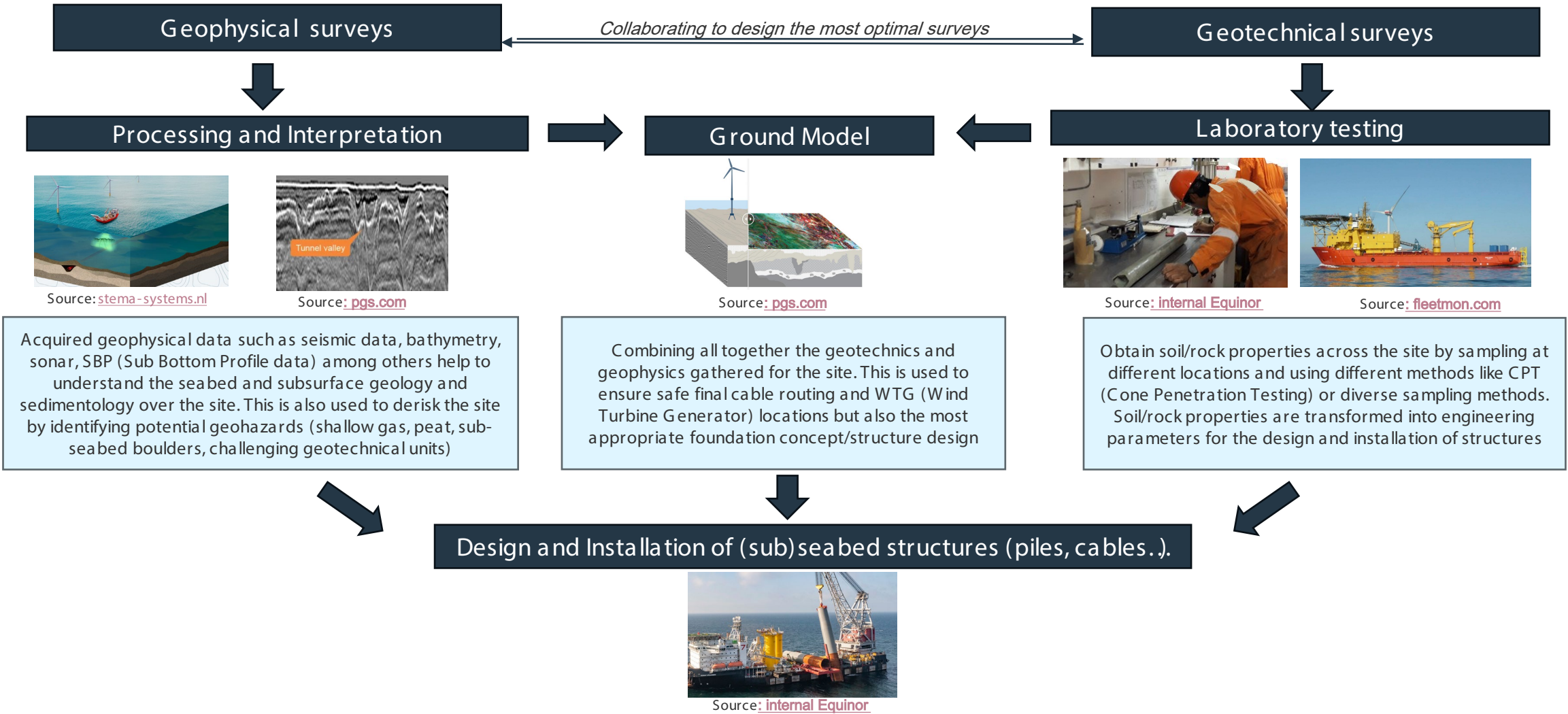
Today:



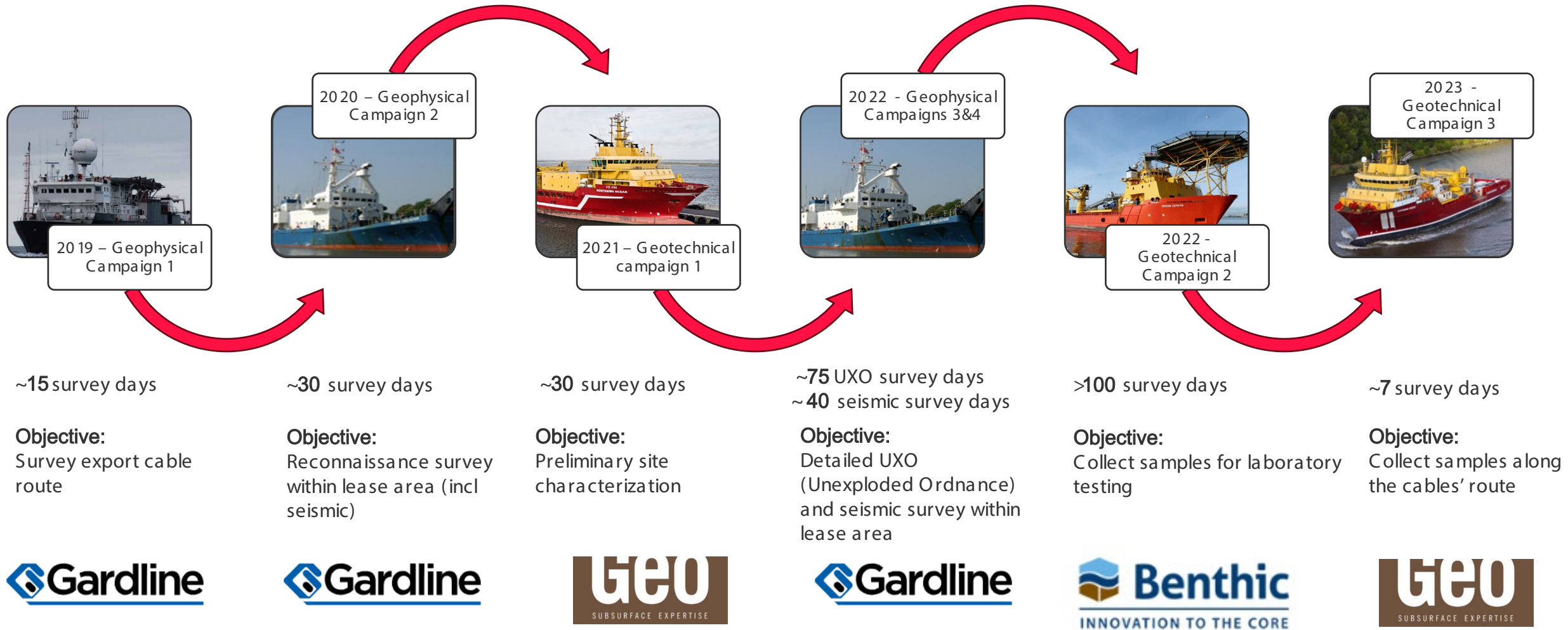
Tomorrow:



Geophysics and Geotechnics for Offshore Wind in the UK Extension Projects



Site Characterization on SEP & DEP



SUPPORTING UK CONTRACTORS

Geophysical Activities on SEP & DEP in UK

British Geological Survey (BGS)

- Ground Modeling

Support of Geophysical Surveys (acquired by Gardline):

- Ports of Hull, Grimsby, and Teesside (Mobilization and demobilization of the vessels)
- Turner Price (Food supply)
- Maritime Bunkering Ltd (Bunkering)



SUPPORTING NORFOLK CONTRACTORS

Geophysical Activities on SEP & DEP in Norfolk

Gardline: Our Geophysical Survey Main Contractor

- Local FLO Onboard Vessel & Scouting Vessel

Supporting Gardline:

- ASCO (Bunkering)
- Ffolkes Offshore Lowestoft (Ships Agency / quayside services)
- Pentagon Freight (Freight movements/HMRC)

OrdTek:

- UXO Risk Assessment & ALARP Certificates

Norfolk



Ordtek Limited

Source: Google Maps

SUPPORTING UK CONTRACTORS

Geotechnical Activities on SEP & DEP in UK

ChalkRock Ltd

- Chalk specialists (Geology & Engineering)

Imperial College London

- Chalk Specialists (Advanced Lab. Testing)

Caldive

- Diving Contractor (Removal of Potential Seabed Obstructions)

Acteon (Benthic, UTEC)

- 
Benthic: Geotechnical Data Acquisition
INNOVATION TO THE CORE
- 
UTEC: Survey & Positioning Services



DIRECT LOCAL INVOLVEMENT

The 2022 Borehole Campaign

Great Wash Operations and Maintenance Hub

- Emergency Support
- HSE Support & Vessel Inspections

Local FLO present onboard at all time during operations

- Close communication with fisheries

GAC UK – Great Yarmouth Office

- Shipping, logistics, ...

Great Yarmouth



Greater Wash Operations and Maintenance Hub

DUDGEON Offshore Wind Farm

SHERINGHAM SHOAL Offshore Wind Farm

Source: Google Maps

DIRECT LOCAL INVOLVEMENT

The 2022 Borehole Campaign

Great Yarmouth Port Company (Peel Ports)

- Berthing, Linesmen, Sludge Disposal & More

East Coast Waste Limited

- Waste Disposal

Marineserv UK Limited

- Local Freightage Of Equipment

Easter Fluid Power

- Hydraulics Assistance, Fluids & More

Great Yarmouth

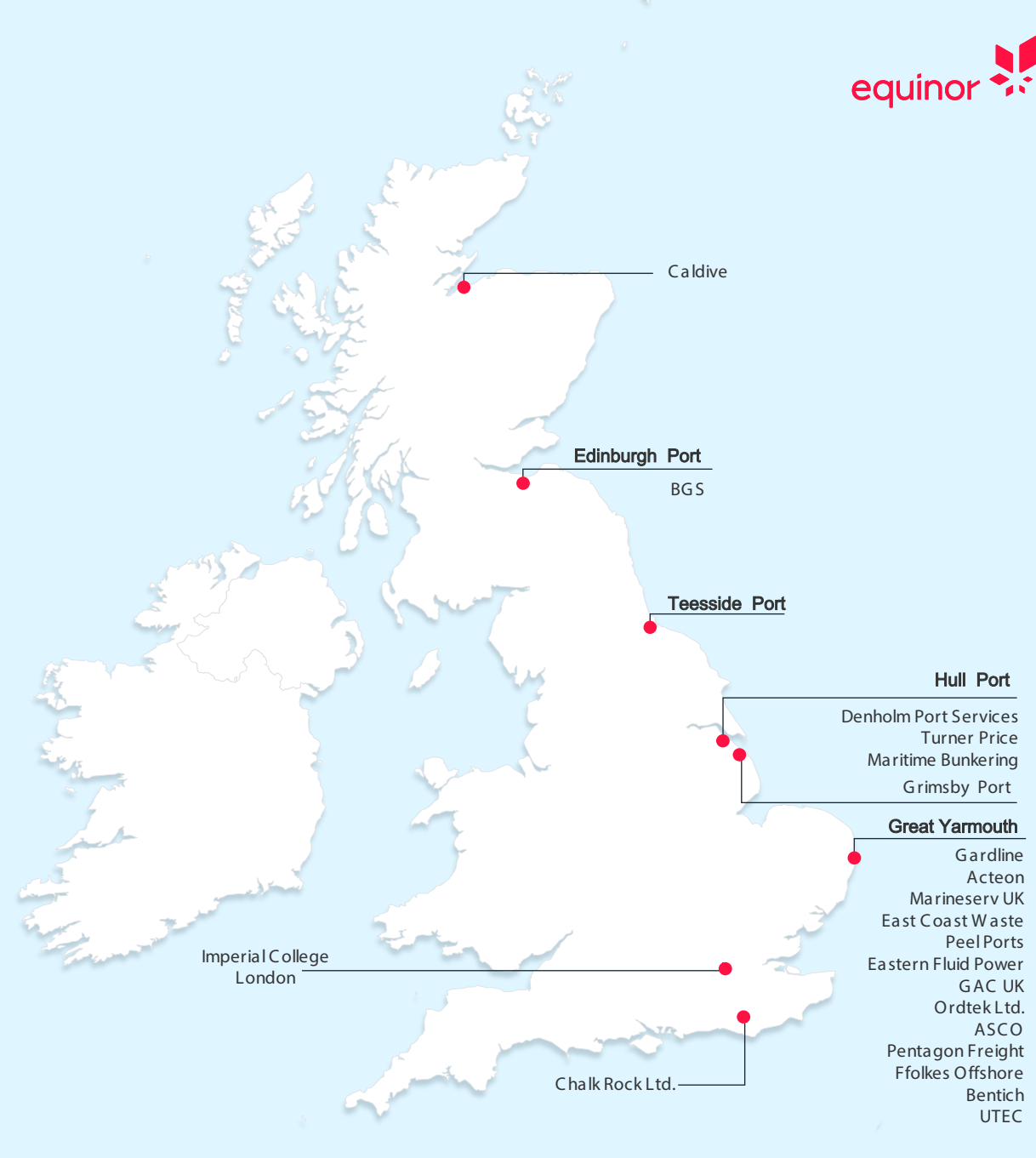


Source: Google Maps

A LOCAL SUPPLIER PORTFOLIO

Direct & Indirect Impact

- 18 Suppliers & Tier 2 Sub-Suppliers
- 200 + Hotel Nights
- Use of local transport networks
- Enjoying restaurants, retail & local activity



A Special Thank You

For their professionalism and efficiency:

- Ocean Zephyr Crew
- Benthic Team
- Equinor's Emergency Response Team
- Offshore Client Representatives

.and especially to **HM Coastguards:**

- For their exceptional response, during a crew rescue on 22nd October 2022.





equinor



Imperial College
London



DUDGEON
Offshore Wind Farm



SHERINGHAM SHOAL
Offshore Wind Farm

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