

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: June 2025

Version: 5

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1 Introduction

Ørsted is an offshore wind farm owner and operator with ten operational wind farms in UK waters. Of these ten, the following offshore wind farms are located off the East Coast of England:

- Gunfleet Sands
- Westermost Rough
- Race Bank
- Lincs
- Hornsea One
- Hornsea Two

The purpose of this monthly Notice to Mariners (NtM) is to ensure that mariners are aware of any non-routine operations across the East Coast assets that could pose a risk to other sea users. Safety is paramount to Ørsted and this notice should assist in ensuring that both mariners and the Ørsted operational team can operate safely offshore. This NtM will provide:

- A regular, clear, and consistent overview of non-routine operations
- Updates relating to lighting and marking statuses.
- Key contact details
- Access to detailed site information and figures
- Clarity on when Safety Zones and recommended safe separation distances are in force or requested.
- Updates on cable burial status where available.



This NtM **will not provide:**

- Information relating to routine maintenance carried out by Crew Transfer Vessels (CTV) or Service Operation Vessels (SOV).
- Any information relating to non-Ørsted-owned assets, e.g. export cables owned by OFTOs.
- Any information relating to Ørsted-owned offshore wind farms that are currently in development or construction, or to offshore wind farms that are not owned by Ørsted.

Subsea Cables

Subsea cables are installed across all offshore wind farms and marked on Admiralty charts. Ørsted-owned subsea cables are also delineated on [KIS-ORCA](https://kis-orca.org/downloads/) charts and are available for download in Fishing Plotter file format <https://kis-orca.org/downloads/>. Mariners should note the following advice from NP 100 The Mariners Handbook "Every care should be taken to avoid anchoring, trawling, fishing, dredging, drilling, or carrying out any other activity in the vicinity of cables which might damage them." This warning is repeated on Admiralty charts and in MIN 604 issued by the MCA.

Within a 50m radius of the base of offshore wind turbines and offshore substations cable exposures are relatively common and relatively dynamic. In line with this, it is neither practical nor beneficial for this NtM to promulgate a running commentary detailing evolving cable burial status within these radii. Ørsted recommended that mariners always maintain a safe separation distance of >50m from wind turbines and substations. This NtM details sections of exposed cable that are located outwith these 50m radii. It is important to note that the position and extent of any cable exposures reported within this NtM is limited to the burial status observed when the survey was undertaken. Cable burial status will evolve over time, often

rapidly. Mariners should not assume otherwise. Please review the site-specific pages below for further information.

Should mariners require further information, including any data in a Fish Plotter compatible format, please contact the Commercial Fisheries Manager Fisheries@orsted.com.

2 Key Contacts

For further information on any of the activities listed within this notice, please use the contact details listed below.

Site	Ørsted Mailbox/ Offshore Coordination	Fisheries Industry Representative
Race Bank	Phone: 07826 943808 Email: rowoffshorec@orsted.com	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Westermost Rough	Phone: 07867 674941 Email: wmroffshorec@orsted.com	Guy Pasco Phone: 07880 362082 Email: guy@seascopefisheries.co.uk
Lincs	Phone: 07766443319 Email: lincsoffshorec@orsted.com	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Gunfleet Sands		Merlin Jackson Phone: 07989 520484 Email: merlinjackson@btinternet.com
Hornsea One	Phone: 07775005465 Email: HOWoffshoreC@orsted.com	Nick Garside Phone: 07538 827013 Email: nick.garside@live.co.uk
Hornsea Two	Phone: 07775005465 Email: HOW02offshoreC@orsted.com	Nick Garside Phone: 07538 827013 Email: nick.garside@live.co.uk

Company Fisheries Liaison Officer

The Ørsted Company Fisheries Liaison Officer can be contacted using the details below:

Lee Thompson Email: LEETH@orsted.com
Callum Vale Email: CAVAL@orsted.com

3 Amendments from Previous Revision

Added/Updated	Removed	Description
9.2.5		MBES Survey
10.4.2		MBES Survey
4		Notice to Mariners Summary

4 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	Yes	None	SIBW- ROV operations MBES Survey
Westermost Rough	OK	None	Yes	E03 Generator Replacement**
Lincs	OK	Yes	None	MBES & SSS Survey
Gunfleet Sands	OK	None	None	None
Hornsea One	A16—Fog Signal inoperable	None	None	Blade repair campaign ** Cargo Drone Operations** Blade Exchange Campaign** MBES Survey
Hornsea Two	T25 – Fog signal inoperable T21 – Marine Lanterns Inoperable	None	Yes	Cargo Drone Operations** BMU2 Export Cable Repair** MBES Survey

* Formal 500m safety zone in place

° Licensable activity

** 500m safety distance requested

*** 100m safety distance requested

**** 250m safety distance requested

Status of lighting & marking is correct at time of issue; any changes will be communicated through an updated version being issued.

5 Race Bank – Notice to Mariners

5.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages

5.2 Other Operations

5.2.1 Subsea inspections of foundations via ROV

Start date: 6th June 2025

Duration of work: 20 days (weather dependent)

Description of work: Subsea inspections of foundations with ROV on 15 positions as shown in below table and diagram.

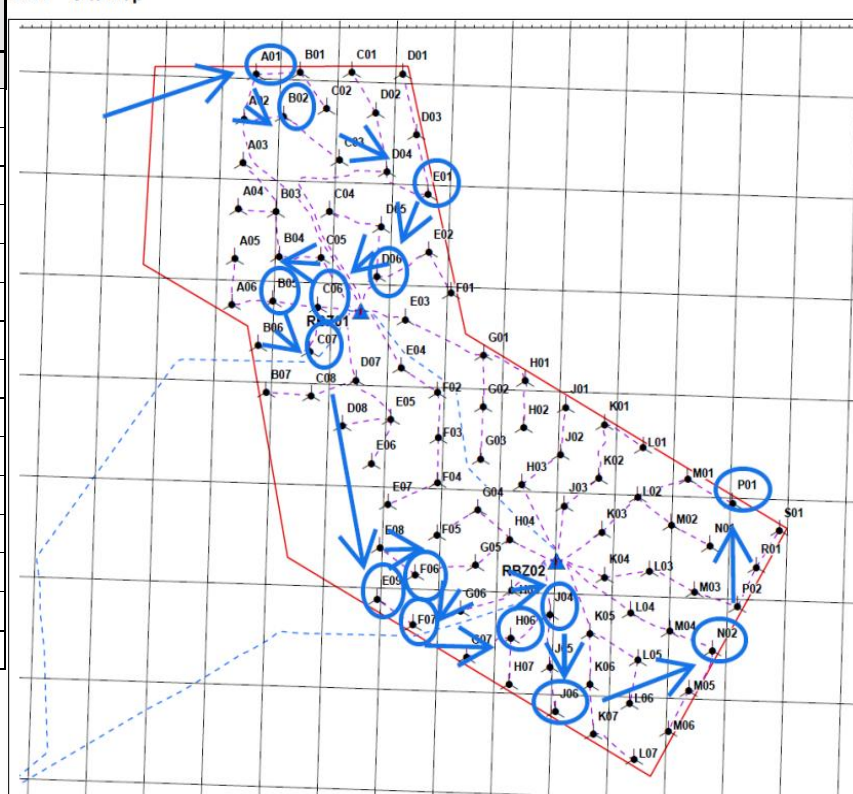
Is this a licensed activity: No.

Safety zone required: Mariners are requested to remain 250m away whenever Farra Emer has the ROV within the water.

General Information		Vessel Picture
Name:	FARRA EMER	
Flag:	United Kingdom	
Year Built:	2022	
MMSI Number:	232046091	
Call Sign:	MNDD6	
Vessel Contact Details		
Bridge:	7923971488	
Email:	emer@farramarine.com	

WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
A01	53.33411655	0.7762638
B02	53.32735746	0.78455961
B05	53.29678767	0.78304605
C06	53.296093	0.79606591
C07	53.288751	0.79413995
D06	53.30145186	0.81283741
E01	53.31524459	0.82692654
E09	53.24826717	0.81564549
F06	53.25243969	0.82642054
F07	53.24415566	0.82615
H06	53.24251311	0.85446252
J04	53.24656964	0.86557392
J06	53.23063577	0.86792377
N02	53.24144139	0.91265081
P01	53.26589637	0.91734845

4.2.1 Site Map



5.2.2 - ROW AIM and Consent MBES Survey - Full Survey

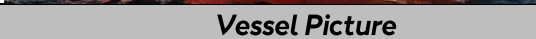
Start date: End June / start July

Duration of work: 7 Days

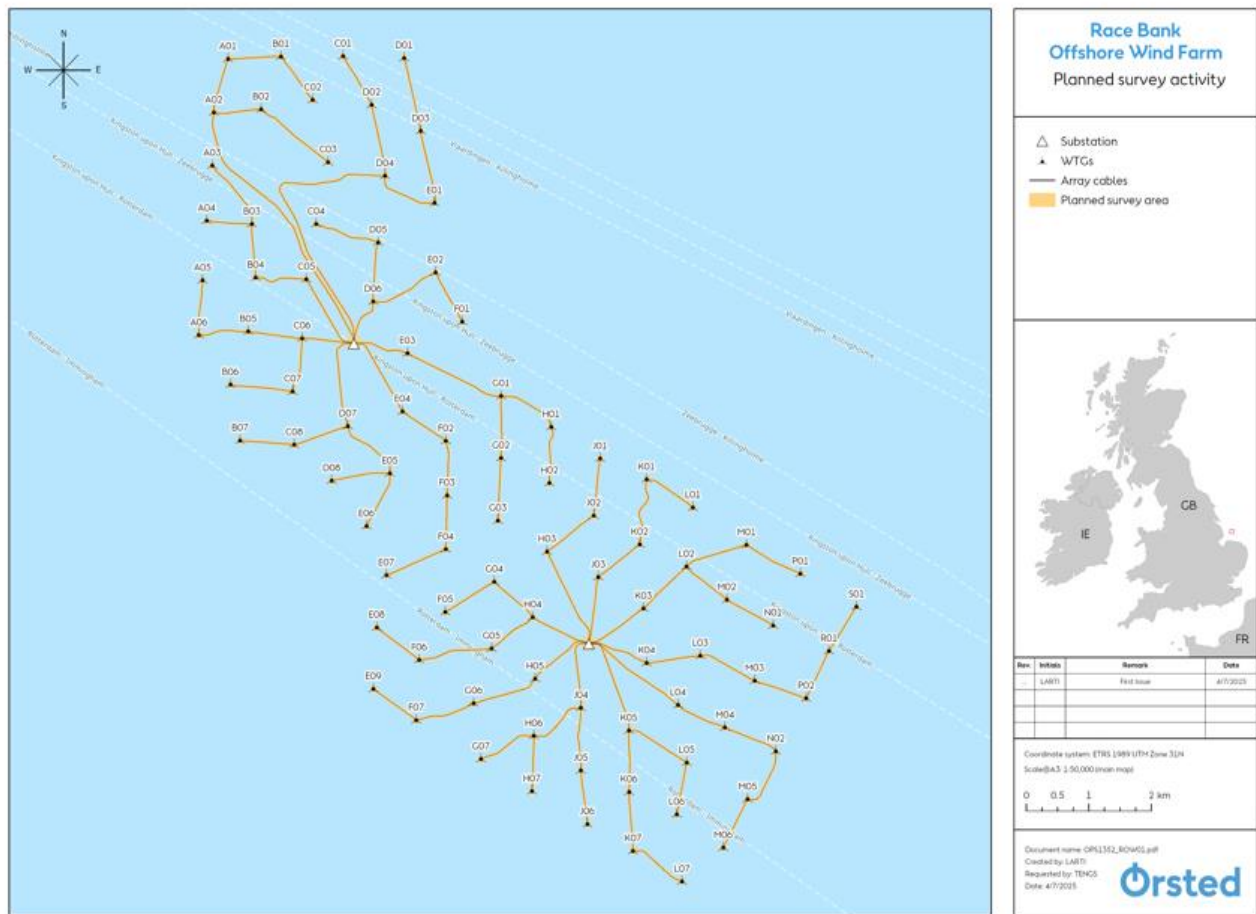
Description of work: Full site multi beam survey at turbine positions, along array cables and at the offshore substation. A side scan sonar survey will also be undertaken along all array cables in a 25m corridor.

Is this a licensed activity: Yes

Safety zone required: Survey work will include the side scan sonar being towed in the water column. Mariners are requested to remain a distance of 250m from the vessel when it is observed undertaking this survey work due to the equipment that will be in the water. The equipment will be lowered using a frame winch on the aft of the vessel.

General Information		Vessel Picture
Name:	Geo Ocean VIII	
Flag:	Luxembourg	
Year Built:	1999 / 2024	
MMSI Number:	236310000	
Call Sign:	ZDHF4	
Vessel Contact Details		
Bridge:	+311080181194	
Email:	bridge.geo-ocean8@geoxyz.eu	
General Information		
Name:	Geosurveyor XXII	
Flag:	UK	
Year Built:	2009 / 2024	
MMSI Number:	235074917	
Call Sign:	2CQL8	
Vessel Contact Details		
Bridge:	+32 472 96 21 39	
Email:	bridge.geosurveyor22@geoxyz.eu	
General Information		
Name:	Geosurveyor XI	
Flag:	UK	
Year Built:	1988	
MMSI Number:	23509999951	
Call Sign:	2GRS3	
Vessel Contact Details		
Bridge:	+32 59 460 125	
Email:	geosurveyor11@geoxyz.eu	

5.2.2 - ROW AIM and Consent MBES Survey - Full Survey



The lighting and/ or navigational warning systems are currently operational. No planned outages

6.2.1-WMR E03 Generator Replacement

Duration of work 10 days (Weather Dependant)

Description of work: Exchange of major components at WTG location E03 using a Jack Up Vessel that will be lifted above the sea level and including use of a large crane.

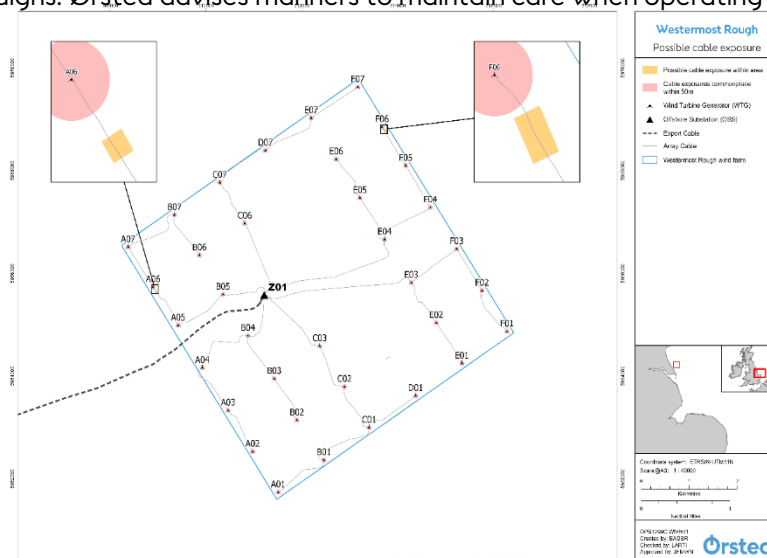
Is this a licensed activity: Yes- Covered by existing marine licence

Safety zone required: Mariners are requested to remain outside the safety zone of 500m whenever J/U Wind Energy is attached to a WTC. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position.

General Information		Vessel Picture
Name:	J/U Wind Energy	
Flag:	Denmark	
Year Built:	2011	
MMSI Number:	219032199	
Call Sign:	OUYH2	
Vessel Contact Details		
Bridge:	"Phone: +45 92 15 01 29 IP Phone: +45 82 13 64 43"	
Email:	master.windenergy@ziton.eu	

WMR - E03	53° 48' 27.825" N	000° 10' 45.829" E
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As shown in the below chart, a survey undertaken in [July-August 2024] identified potential cable exposures at several locations beyond the commonplace exposures within the 50m radius around wind turbine and offshore substation foundations. The position and extent of the cable exposures shown in the below chart is limited to the burial status observed at the time of the survey. Cable burial status evolves over time, often rapidly. Mariners should not assume otherwise. Cable burial status is monitored periodically, and further information will be provided following future survey campaigns. Ørsted advises mariners to maintain care when operating within windfarm array areas.



7 Lincs – Notice to Mariners

7.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages

7.2 Other Operations

7.2.1 -LIC AIM and Consent MBES & SSS Survey

Start date: End June / start July

Duration of work: 7 Days

Description of work: Full site multi beam survey at turbine positions, along array cables and at the offshore substation. A side scan sonar survey will also be undertaken along all array cables in a 25m corridor.

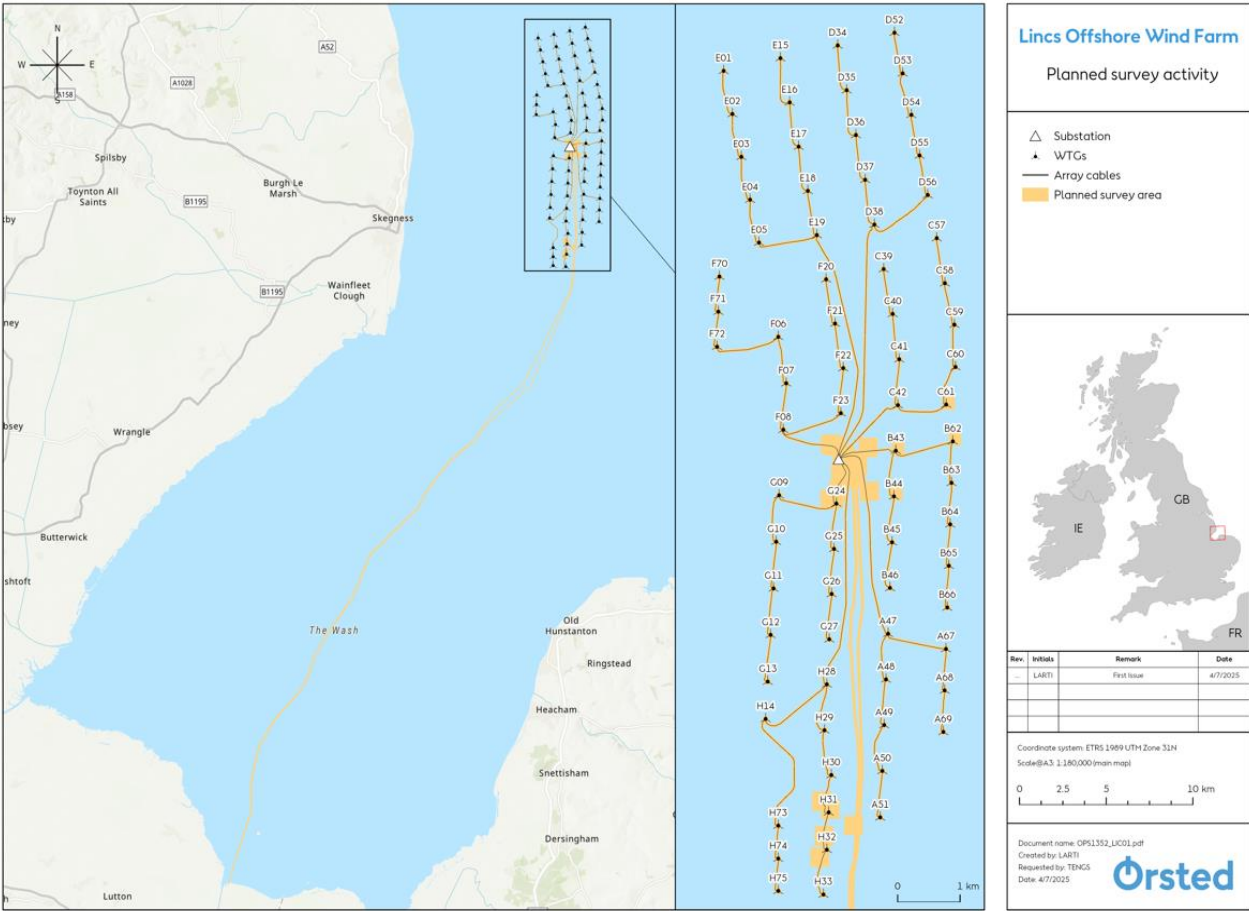
Is this a licensed activity: Yes

Safety zone required: Survey work will include the side scan sonar being towed in the water column. Mariners are requested to remain a distance of 250m from the vessel when it is observed undertaking this survey work due to the equipment that will be in the water. The equipment will be lowered using a frame winch on the aft of the vessel.

General Information		Vessel Picture
Name:	Geosurveyor XXII	
Flag:	UK	
Year Built:	2009 / 2024	
MMSI Number:	235074917	
Call Sign:	2CQL8	
Vessel Contact Details		
Bridge:	+32 472 96 21 39	
Email:	bridge.geosurveyor22@geoxyz.eu	

General Information		Vessel Picture
Name:	Geosurveyor XI	
Flag:	UK	
Year Built:	1988	
MMSI Number:	23509999951	
Call Sign:	2GRS3	
Vessel Contact Details		
Bridge:	+32 59 460 125	
Email:	geosurveyor11@geoxyz.eu	

LIC AIM and Consent MBES & SSS Survey



8 Gunfleet Sands – Notice to Mariners

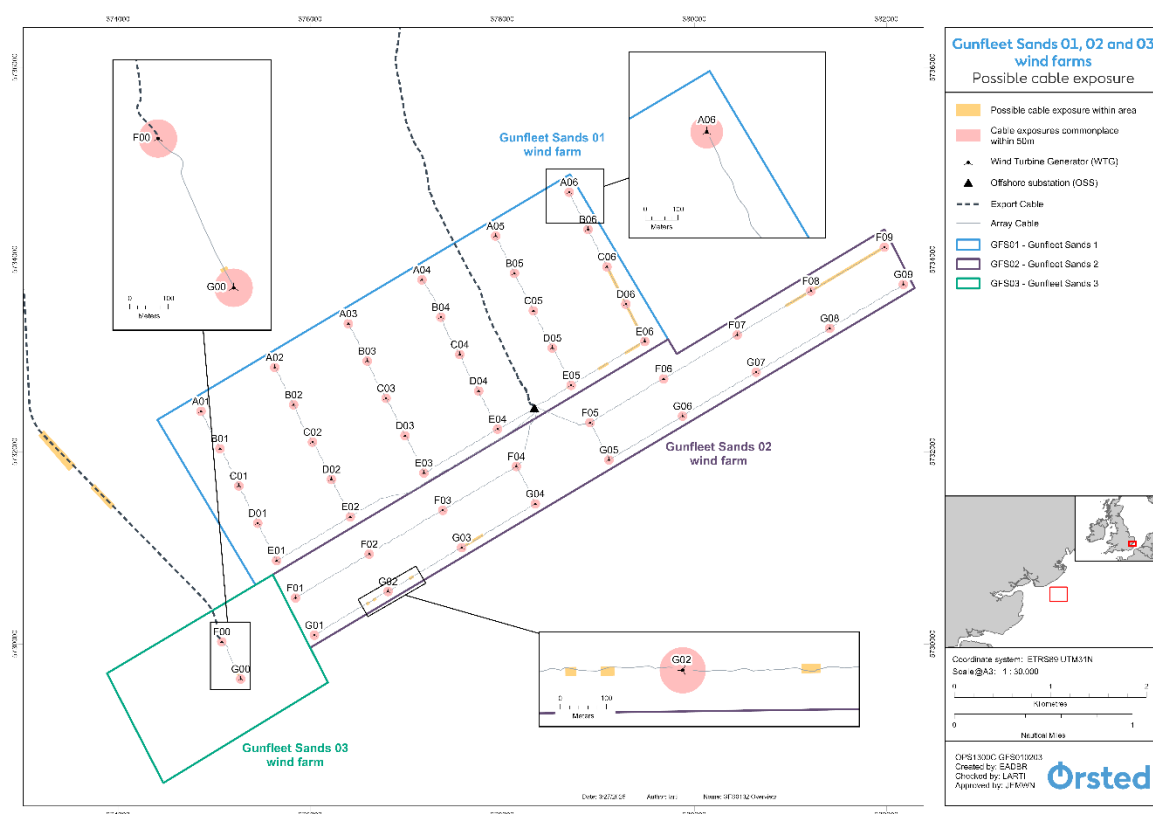
8.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

8.2 Other Operations

8.3 Cable exposure

As shown in the below chart, a survey undertaken in [July-August 2024] identified potential cable exposures at several locations beyond the commonplace exposures within 50m radius around wind turbine and offshore substation foundations. The position and extent of the cable exposures shown in the below chart is limited to the burial status observed at the time of the survey. Cable burial status evolves over time, often rapidly. Mariners should not assume otherwise. Cable burial status is monitored periodically, and further information will be provided following future survey campaigns. Ørsted advises mariners to maintain care when operating within our windfarm array areas.



As a result of a sedimentary surface and above average flow velocities, bathymetry within the Gunfleet Sands array area is constantly evolving.

9 Hornsea One – Notice to Mariners

9.1 Lighting and Marking Status

A16 - Fog signal inoperable.

Turbines situated on the Hornsea Project One / Two adjoining perimeter.

Mariners are advised that the marine navigation lighting and foghorns on turbines situated on the Hornsea Project One / Two adjoining perimeter have now been extinguished. Marine navigation lighting will now alight the combined perimeter of Hornsea Project One and Two.

Please see the table below showing the locations where the foghorns/marine navigation lighting has been discontinued (indicated with an X)

Turbine	Marine Navigation Lights	Foghorns
K25	X	
Q20	X	X
C30	X	X
H27	X	X
P22	X	X
L20		X
K16		X
K10		X
M05		X

9.2 Other Operations

9.2.1 C23 Requested 200m Risk of Dropped Objects

Due to increased potential of dropped objects following damage located on a blade during routine inspections. Mariners are requested to remain at least 200m away from turbine C23.

9.2.2 C23 Blade Repair Campaign 500m Safety Zone requested

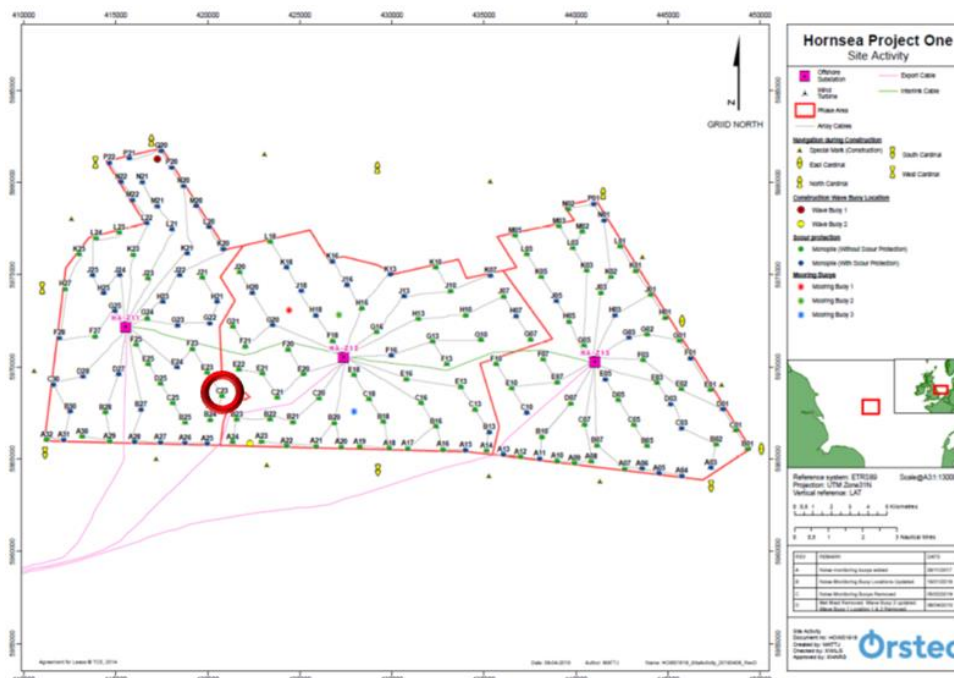
Mariners are requested to remain a distance of 500m when it is observed undertaking Rope Access works and where the vessel is pushed against a WTG. Campaign runs from the 30th of April for a duration of 12 days.

Start date:	30th April 25
Duration of work scope:	12 Days
Description of work:	C23 Blade Repair
Is this a licensed activity: Yes/No	
Safety zone required.	
If Yes what distance?	50m

Vessel Information

General Information		Vessel Picture
Name:	Northern Ocean	
Flag:	Denmark	
Year Built:	2018	
MMSI Number:	219034659	
Call Sign:		
OUS12		
Bridge:	162.050 MHz	
Party Chief:	122.230 MHz	
Email:	ocean.master@n-o-s.eu	

WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
C23	53° 51' 30.170" N	001° 47' 42.830" E



9.2.3 Cargo Drone Operations

Start date:	12/06/2025
Duration of work scope:	5 weeks
Description of work:	Cargo deployment from vessel to all wind turbines in both HOW01 & HOW02 using cargo drone.
Is this a licensed activity: Yes/No	No
Safety zone required. If Yes what distance?	Mariners are requested to remain a distance of 500m from vessel Haltbakk Star & Cargo Drones when they observed undertaking Cargo Drone Operations at a Wind Turbine.

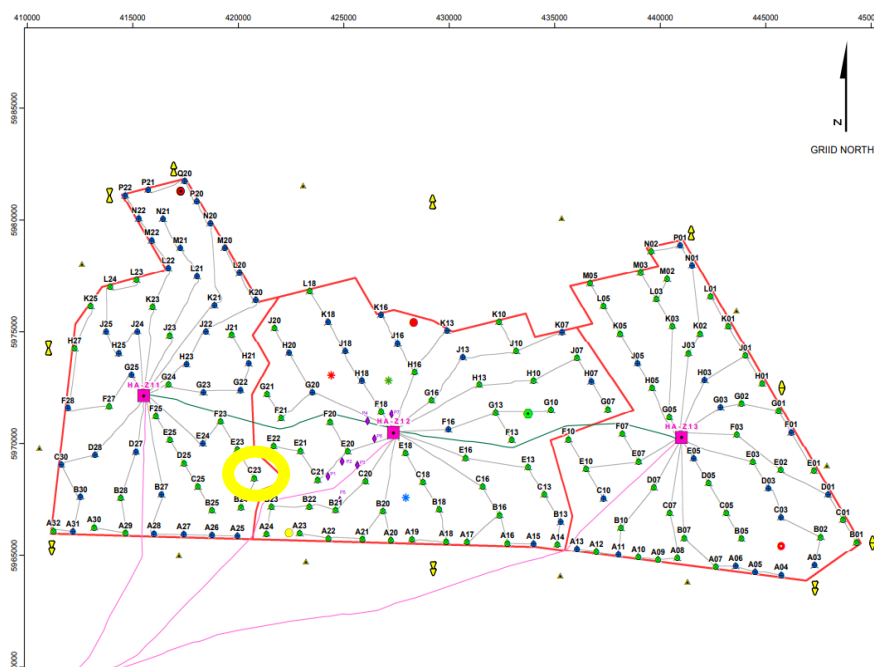
General Information		Vessel Picture
Name:	Haltbakk Star	
Flag:	Norway	
Year Built:	1975	
MMSI Number:	258129000	
Call Sign:	LAWW3	
Vessel Contact Details		
Bridge:	: +4790528328	
Party Chief:	Roy Kvernoe roy@haltbakkbunkers.no	
Email:	hstar@haltbakkbunkers.no	

9.2.4 C23 Blade Exchange

Start date:	21.06.2025 with potential delay
Duration of work scope:	2
Description of work:	Single blade exchange on location C23 - Deinstallation of blade - Installation of new blade
Is this a licensed activity: Yes/No	Yes
Safety zone required. If Yes what distance?	No

Vessel Information

General Information		Vessel Picture
Name:	Wind Energy	
Flag:	Denmark	
Year Built:	2011	
MMSI Number:	219032199	
Call Sign:	OUYH2	
Vessel Contact Details		
Bridge:	+870 773 249 017	
Party Chief:	+45 92 15 01 29	
Email:	master.windenergy@ziton.eu	



WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
C23	53°51'30.170" N	1°47'42.830"E

9.2.5 MBES Survey

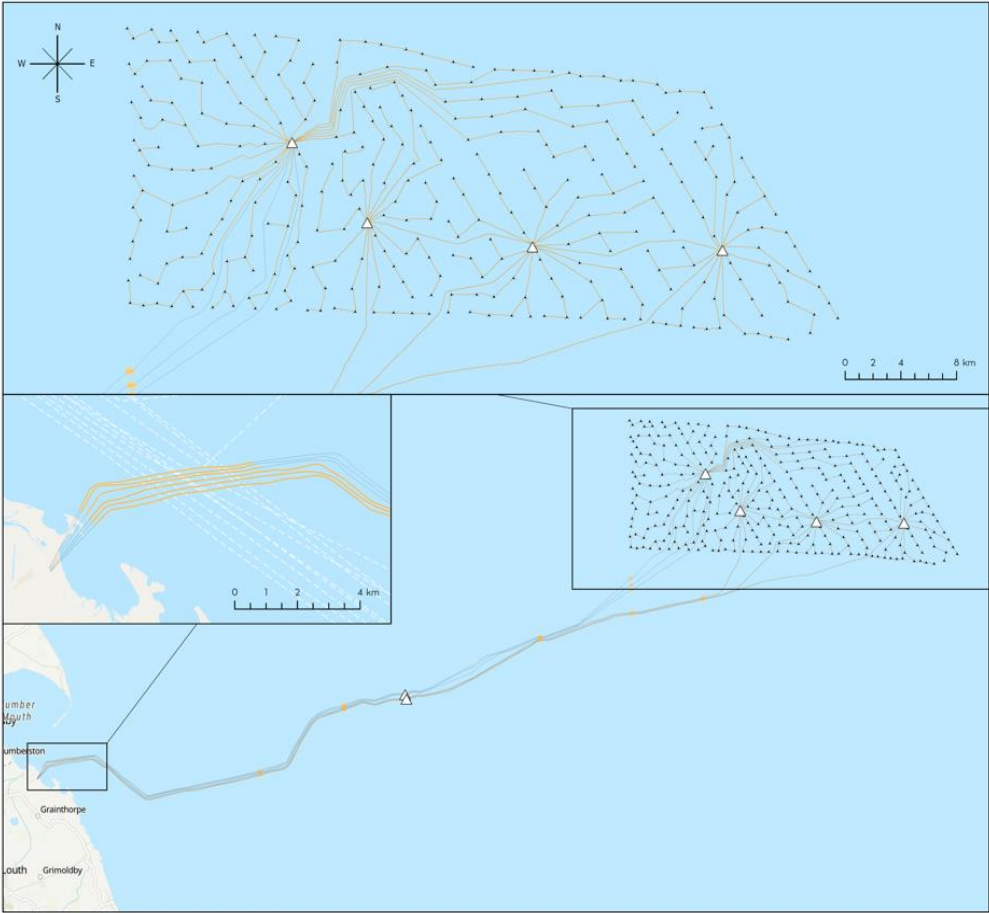
Start date:	End June / start July
Duration of work scope:	15 days
Description of work:	Full site MBES survey, turbines, OSS's, array cables, EC, RCS and crossings
Is this a licensed activity: Yes/No	No
Safety zone required. If Yes what distance?	None

Vessel Information

General Information		Vessel Picture
Name:	Geo Ocean VIII	
Flag:	Luxembourg	
Year Built:	1999 / 2024	
MMSI Number:	236310000	
Call Sign:	ZDHF4	
Vessel Contact Details		
Bridge:	+311080181194 and +486 02306934 (FBB)	
Party Chief:		
Email:	bridge.geo-ocean8@geoxyz.eu	

General Information		Vessel Picture
Name:	Geosurveyor XXII	
Flag:	UK	
Year Built:	2009 / 2024	
MMSI Number:	235074917	
Call Sign:	2CQL8	
Vessel Contact Details		
Bridge:	+32 472 96 21 39	
Party Chief:		
Email:	bridge.geosurveyor22@geoxyz.eu	

General Information		Vessel Picture
Name:	Geosurveyor XI	
Flag:	UK	
Year Built:	1988	
MMSI Number:	23509999951	
Call Sign:	2GRS3	
Vessel Contact Details		
Bridge:	+32 59 460 125	
Party Chief:		
Email:	geosurveyor11@geoxyz.eu	



Hornsea 1 & 2
Offshore Wind Farms
Planned survey activity

△ Substation

• WTGs

— Cables

■ Planned survey area



Map of the UK and Ireland showing the location of the wind farms in the North Sea.

Rev.	Initials	Remark	Date
1	LART1	First issue	5/26/2025

Coordinate system: ETRS 1989 UTM Zone 32N
Scale@A3: 1:225,000 (bottom map)

0 5 10 20 km

Document name: OPS1352_HOW0202.pdf
Created by: LART1
Requested by: TENGS
Date: 5/26/2025



10 Hornsea Two – Notice to Mariners

10.1 Lighting and Marking Status

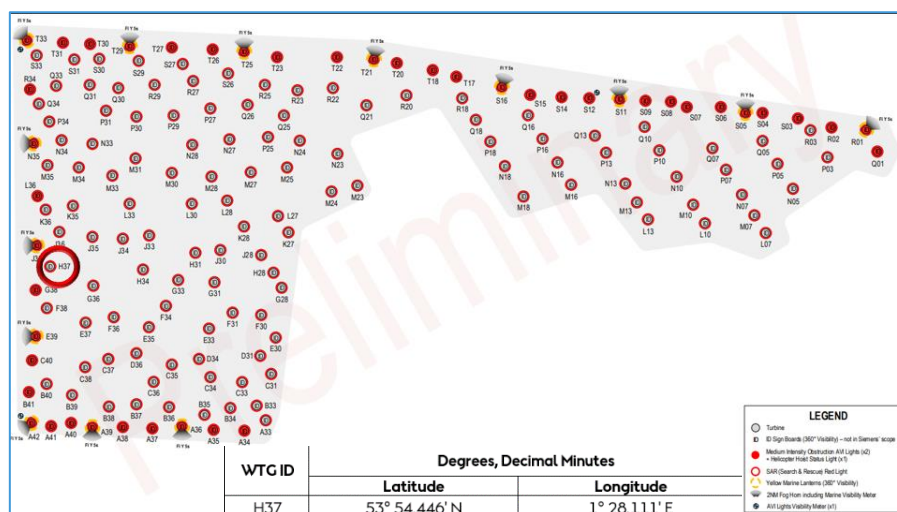
T25 Fog Signal inoperable
T21 Marine Lantern extinguished.

10.2 Other Operations

No Current projects/operations ongoing

10.3 H37 Requested 200m Risk of Dropped Objects

Due to increased potential of dropped objects following damage located on a blade during routine inspections. Mariners are requested to remain at least 200m away from turbine H37.



10.4 Cargo Drone Operations

Start date:	12/06/2025
Duration of work scope:	5 weeks
Description of work:	Cargo deployment from vessel to all wind turbines in both HOW01 & HOW02 using cargo drone.
Is this a licensed activity: Yes/No	No
Safety zone required. If Yes what distance?	Mariners are requested to remain a distance of 500m from vessel Haltbakk Star & Cargo Drones when they observed undertaking Cargo Drone Operations at a Wind Turbine.

General Information		Vessel Picture
Name:	Haltbakk Star	
Flag:	Norway	
Year Built:	1975	
MMSI Number:	258129000	
Call Sign:	LAWW3	
Vessel Contact Details		
Bridge:	: +4790528328	
Party Chief:	Roy Kvernoe roy@haltbakkbunkers.no	
Email:	hstar@haltbakkbunkers.no	

10.4.1 BMU2 Export Cable Repair

Start date:	14.06.2025
Duration of work scope:	Until 01.07.2025 (estimated) Weather dependant. Campaign runs from the 14 th of June for a duration of 17 days.
Description of work:	Export cable repair Cable recovery, cable jointing and cable laying including use of control flow excavator, cable stabilisation (rock bags) An HV failure has been detected on the export cable, BMU2 circuit, at approximately 27.8 km from the RCS, approx. 38km from shore, at Kilometer Point KP 37,920. Water depth is approx. 17m. The position is near the Viking Link cable crossing at approx. KP 38,500.
Is this a licensed activity: Yes/No	Yes
Mariners to Note	Mariners are requested to remain a distance of 500m whilst the vessel is undertaking works.

Vessel Information

General Information		Vessel Picture
Name:	Skandi Inventor	
Flag:	Denmark	
Year Built:	2018	
MMSI Number:	219366000 (IMO 973935)	
Call Sign:	OYRS2	
Vessel Contact Details		
Bridge:	+45 8988 8147	
Party Chief:	+45 8988 8146	
Email:	inventor@dofgroup.com	

10.4.2 MBES Survey

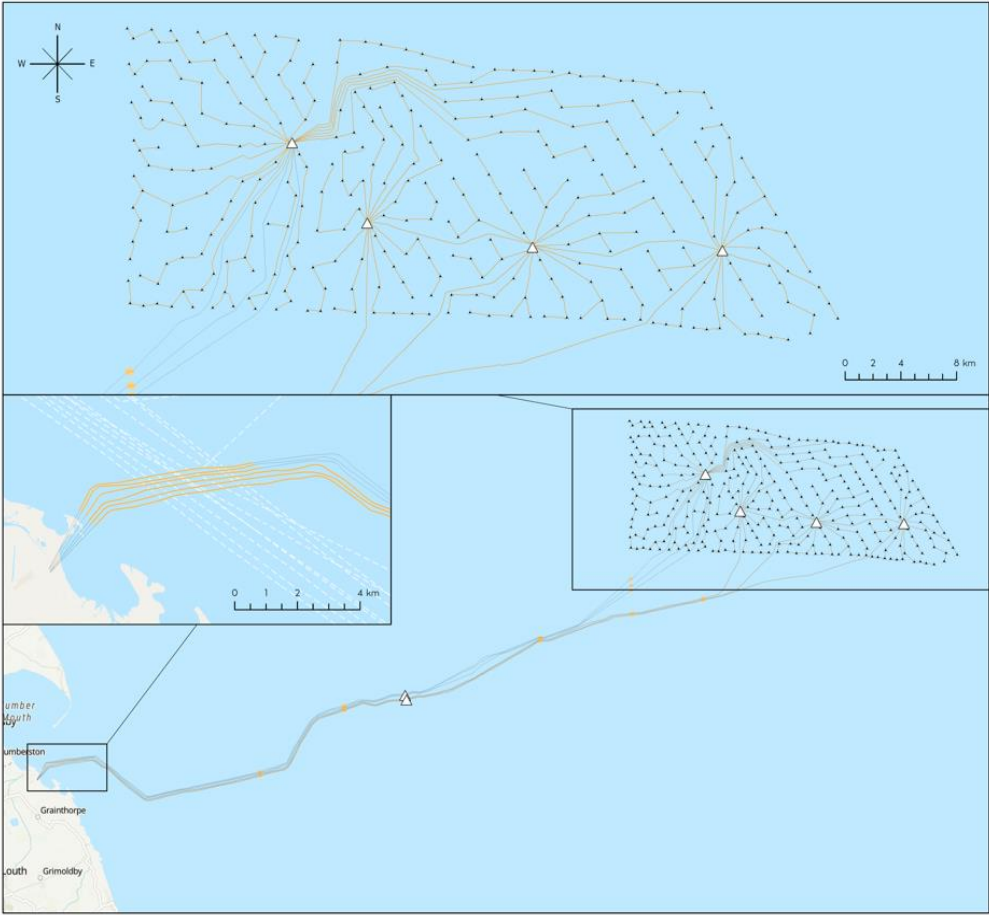
Start date:	End June / Start July
Duration of work scope:	15 days
Description of work:	Full site MBES survey, turbines, OSS, array cables, EC out to 12m LAT, RCS and crossings
Is this a licensed activity: Yes/No	No
Safety zone required. If Yes what distance?	None

Vessel Information

General Information		Vessel Picture
Name:	Geo Ocean VIII	
Flag:	Luxembourg	
Year Built:	1999 / 2024	
MMSI Number:	236310000	
Call Sign:	ZDHF4	
Vessel Contact Details		
Bridge:	+311080181194 and +486 02306934 (FBB)	
Party Chief:		
Email:	bridge.geo-ocean8@geoxyz.eu	

General Information		Vessel Picture
Name:	Geosurveyor XXII	
Flag:	UK	
Year Built:	2009 / 2024	
MMSI Number:	235074917	
Call Sign:	2CQL8	
Vessel Contact Details		
Bridge:	+32 472 96 21 39	
Party Chief:		
Email:	bridge.geosurveyor22@geoxyz.eu	

General Information		Vessel Picture
Name:	Geosurveyor XI	
Flag:	UK	
Year Built:	1988	
MMSI Number:	23509999951	
Call Sign:	2GRS3	
Vessel Contact Details		
Bridge:	+32 59 460 125	
Party Chief:		
Email:	geosurveyor11@geoxyz.eu	



Hornsea 1 & 2
Offshore Wind Farms
Planned survey activity

△ Substation

• WTGs

— Cables

■ Planned survey area



Rev.	Initials	Remark	Date
1	LART1	First issue	5/26/2025

Coordinate system: ETRS 1989 UTM Zone 32N
Scale@A3: 1:225,000 (bottom map)

0 5 10 20 km

Document name: OPS1352_HOW0202.pdf
Created by: LART1
Requested by: TENGS
Date: 5/26/2025

