

# **Ørsted - East Coast Operational Assets**

## **Notice to Mariners**

**Period of Notice: October 2022**

**Version: 1**

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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
- Westernmost Rough
- Race Bank
- Lincs
- Hornsea One

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
- 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



This Notice to Mariners will not provide:

- Information relating to routine maintenance carried out by Crew Transfer Vessels (CTV) or Service Operation Vessels (SOV).
- Any information relating to export cables
- Any information relating to offshore wind farms currently in development, construction or not operated by Ørsted

### Subsea Cables

Subsea cables are installed across each offshore wind farm and are marked on the KIS ORCA charts referenced in Section 1.2. Please 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 all admiralty charts.

### **Wind Farm Positional Data**

KIS ORCA Awareness Charts (including the layout and coordinates) and Fishing Plotter Files of the offshore assets referenced in this NtM can be found via the KIS ORCA website: <https://kis-orca.org/downloads/> Should mariners require further information or any data in a format that can be used in a plotter or other device, please contact the Company Fisheries Liaison Officer, listed in Section 2 below.

## 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<br>Email: <a href="mailto:rowoffshorec@orsted.com">rowoffshorec@orsted.com</a>    | Ady Woods<br>Phone: 07468 898948<br>Email: <a href="mailto:firwoods@hotmail.com">firwoods@hotmail.com</a>                      |
| Westermost Rough | Phone: 07867 674941<br>Email: <a href="mailto:wmroffshorec@orsted.com">wmroffshorec@orsted.com</a>    | Guy Pasco<br>Phone: 07880 362082<br>Email: <a href="mailto:guy@seascopefisheries.co.uk">guy@seascopefisheries.co.uk</a>        |
| Lincs            | Phone: 07766443319<br>Email: <a href="mailto:lincsoffshorec@orsted.com">lincsoffshorec@orsted.com</a> | Ady Woods<br>Phone: 07468 898948<br>Email: <a href="mailto:firwoods@hotmail.com">firwoods@hotmail.com</a>                      |
| Gunfleet Sands   |   | Merlin Jackson<br>Phone: 07989 520484<br>Email: <a href="mailto:merlinjackson@btinternet.com">merlinjackson@btinternet.com</a> |
| Hornsea One      | Phone: 07775005465<br>Email: <a href="mailto:HOWoffshoreC@orsted.com">HOWoffshoreC@orsted.com</a>     | Nick Garside<br>Phone: 07538 827013<br>Email: <a href="mailto:nick.garside@live.co.uk">nick.garside@live.co.uk</a>             |
| Hornsea Two      | Phone: 07775005465<br>Email: <a href="mailto:HOW02offshoreC@orsted.com">HOW02offshoreC@orsted.com</a> |  |

### Company Fisheries Liaison Officer

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

Lara Leonard  
Email: [LARLN@Orsted.com](mailto:LARLN@Orsted.com)

### 3 Notice to Mariners Summary:

| Site             | Lighting and Marking Status      | Survey | Jack-Up Vessel | Other Works                            |
|------------------|----------------------------------|--------|----------------|--|
| Race Bank        | OK                               | Yes    | None           | Asset inspections                      |
| Westermose Rough | OK                               | None   | None           | Below water Inspections                |
| Lincs            | OK                               | None   | None           | None                                   |
| Gunfleet Sands   | OK                               | None   | Yes            | Main bearing replacement <sup>°*</sup> |
| Hornsea One      | A04 marine lantern & fog signal. | None   | None           | None                                   |
| Hornsea Two      | OK                               | None   | None           | None                                   |

\* Formal 500m safety zone in place

° Licensable activity

\*\* 500m safety distance requested

\*\*\* 200m 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.***

## 4 Race Bank – Notice to Mariners

### 4.1 Lighting and Marking Status

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

### 4.2 Other Operations

#### 4.2.1 Benthic Survey

The survey vessel Seren Las benthic survey still to be done, expecting throughout early October. See below for locations.

#### Vessel Information

| General Information    |                     | Vessel Picture  |
|------------------------|---------------------|---|
| Name                   | Seren Las           |  |
| Flag                   | United Kingdom [GB] |   |
| Year Built             |                     |   |
| MMSI                   | 235087047           |   |
| Call Sign              | MDAH2               |   |
| Vessel Contact Details |                     |   |
| Bridge                 |                     |   |
| Party Chief            |                     |   |
| Email                  |                     |   |

| WTG ID             | Latitude       | Longitude      |
|--------------------|----------------|----------------|
| A03                | 53 19 166N     | 00 46 392E     |
| D06                | 53 18 087N     | 00 48 770E     |
| E08                | 53 15 403N     | 00 48 960E     |
| F05                | 53 15 548N     | 00 49 941E     |
| G03                | 53 16 315N     | 00 50 659E     |
| H06                | 53 14 550N     | 00 51 267E     |
| J01                | 53 16 852N     | 00 52 107E     |
| J03                | 53 15 876N     | 00 52 130E     |
| Export Cable Route | See Below note | See Below note |

#### Notes:

Text from the methodology: *At each of these, a cruciform of grab stations have been arranged with four grab stations at 150 m from the turbine on the cardinal points aligned to the dominant tidal flow and two further grab stations at 300 m distance aligned to the tidal flow.*





## **5      Westermost Rough – 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**

Nothing planned.

## **6      Lincs – Notice to Mariners**

### **6.1      Lighting and Marking Status**

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

### **6.2      Other Operations**

Nothing planned.

## 7 Gunfleet Sands – 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 Main Bearing Replacement

The Jack up Vessel Wind Server is expected on site on the 24<sup>th</sup> October to carry out main bearing replacements on locations E04 & F04. A 500m exclusion zone will be required whilst the Wind Server is in position at the turbines and whilst jacking up.

#### Vessels

| General Information    |  | Vessel Picture  |
|------------------------|--|---|
| Name                   | WIND SERVER  |  |
| Flag                   | Denmark [DK]   |   |
| Year Built             | 2014   |   |
| MMSI Number            | 219615000  |   |
| Call Sign              | OWLB2  |   |
| Vessel Contact Details |  |   |
| Bridge                 |  |   |
| Party Chief            |  |   |
| Email                  | <a href="mailto:projects@ziton.eu">projects@ziton.eu</a> |   |

| General Information    |  | Vessel Picture   |
|------------------------|--|--|
| Name                   | Manor Vulcan   |  |
| Flag                   | United Kingdom [GB]                                  |  |
| Year Built             | 2022   |  |
| MMSI Number            | 232042488  |  |
| Call Sign              | MLRK6  |  |
| Vessel Contact Details |  |  |
| Bridge                 |  |  |
| Party Chief            |  |  |
| Email                  | <a href="mailto:mi@mreltd.co.uk">mi@mreltd.co.uk</a> |  |

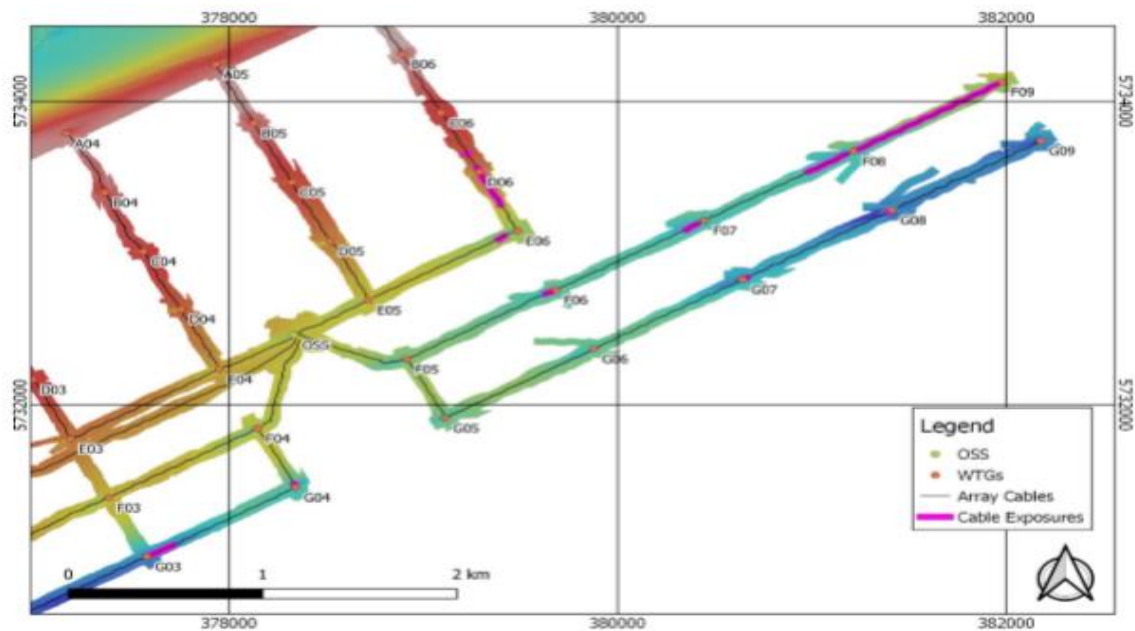
| WTG ID | Long                | Lat                |
|--------|---------------------|--------------------|
| E04    | 001° 13.96947023' E | 51° 43.66431166' N |
| F04    | 001° 14.14774691' E | 51° 43.45741667' N |

### 7.3 Cable exposure

There are subsea cables currently exposed as shown on the below chart and coordinates.

| Array cable | Nearest WTG | Distance from WTG to start exposure [m] | Exposure length [m] | Coordinates start exposure |           | Coordinates end exposure |           |
|-------------|-------------|---|---------------------|----------------------------|-----------|--------------------------|-----------|
|             |             |   |                     | X                          | Y         | X                        | Y         |
| F06-F07     | F07         | 53.9                                    | 73.9                | 380400.9                   | 5733188.0 | 380341.2                 | 5733147.0 |
| F07-F08     | F08         | 52.4                                    | 216.1               | 381166.3                   | 5733649.0 | 380982.7                 | 5733538.0 |
| F08-F09     | F08         | 28.1                                    | 827.9               | 381238.4                   | 5733685.0 | 381942.3                 | 5734108.0 |
| G03-G04     | G03         | 19.9                                    | 129.8               | 377595.9                   | 5731011.0 | 377708.3                 | 5731074.0 |
| G07-G08     | G07         | 15.4                                    | 5.8                 | 380657.0                   | 5732835.0 | 380662.0                 | 5732838.0 |
| G07-G08     | G08         | 6.5                                     | 11.0                | 381404.9                   | 5733280.0 | 381395.3                 | 5733275.0 |

Table 5-1; Array cable exposures detected in GFS0102



## 8 Hornsea One – Notice to Mariners

### 8.1 Lighting and Marking Status


A04 marine lanterns & foghorn are currently inoperative. There are no other planned outages.

### 8.2 Other Operations

#### 8.2.1 Drone Blade Inspections

On the 25th August, the vessel Ary will be on site to complete Blade Inspections via drone. All 174 WTG's will be inspected. We anticipate the work will take around 30 days to complete. Works ongoing.

#### Vessel Information

| General Information    |           |  |
|------------------------|-----------|---|
| Name                   | Ary       |   |
| Flag                   | VANUATU   |   |
| Year Built             | 1980      |   |
| MMSI                   | 577031000 |   |
| Call Sign              | YJQJ5     |   |
| Vessel Contact Details |           |   |
| Bridge                 |           |   |
| Party Chief            |           |   |
| Email                  |           |   |

## 9 Hornsea Two – Notice to Mariners

### 9.1 Lighting and Marking Status

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

### 9.1 Other Operations

Nothing planned.