

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: May 2022

Version: 3

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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 Email: rowoffshorec@orsted.co.uk	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Westermost Rough	Phone: 07867 674941 Email: wmroffshorec@orsted.co.uk	Guy Pasco Phone: 07880 362082 Email: guy@seascopefisheries.co.uk
Lincs	Phone: 07766443319 Email: lincsoffshorec@orsted.co.uk	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.co.uk	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:

Courtney French
Email: CONFR@Orsted.co.uk

3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	Yes	None	Bolt Cowling Retrofit
Westermost Rough	A01 Fog signal	None	None	Blade LEP Main Bearing Replacement *
Lincs	OK	None	None	None
Gunfleet Sands	OK	None	None	HSS bearing inspection, drone inspections.
Hornsea One	H27 Fog Signal	None	None	E01 repair Z13 Shunt Reactor Main Bearing Replacement *

* 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 will be on site at points during June & July to complete a benthic survey. See below for locations.

Vessel Information

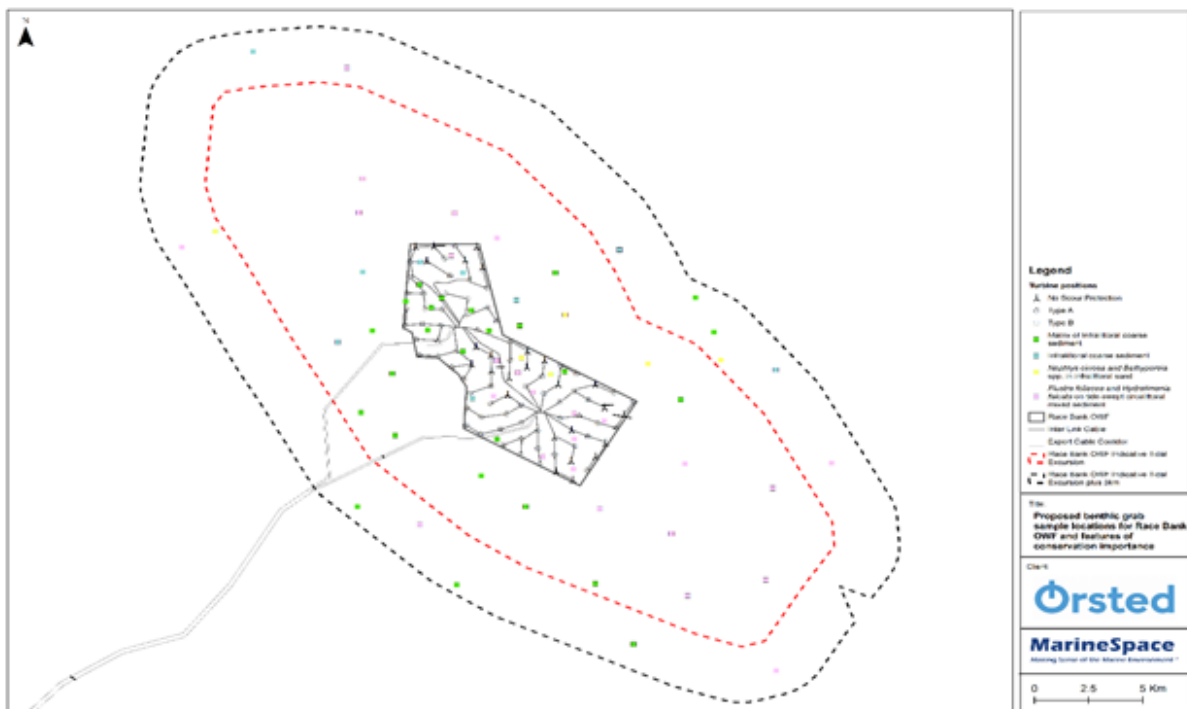
General Information		Vessel Picture
Name	Seren Las	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235087047	
Call Sign	MDAH2	
Vessel Contact Details		
Bridge		
Party Chief		
Email		

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.*


They will also be sampling outside of the array in the areas shown below and at locations along the export cable route.



4.2.2 Bolt Cowling Retrofit Campaign

The Blade Cowling Retrofit campaign will start on the 1st of June 2022, expected duration is 34 days weather dependant. This will involve 2 CTVs on site, visiting all 91 turbines to conduct rope access retrofits to Blade cowlings.

When the technicians are deployed via the ropes a safety exclusion zone of 150m will be required.

General Information		Vessel Picture
Name	Seacat Intrepid	
Flag	United Kingdom [GB]	
Year Built	2014	
MMSI Number	235107284	
Call Sign	2HWU6	
Vessel Contact Details		
Bridge	+44 7476 269 397	
Party Chief		
Email	intrepid@seacatservices.co.uk	

General Information		Vessel Picture
Name	Seacat Enterprise	
Flag	United Kingdom [GB]	
Year Built	2017	
MMSI Number	232006483	
Call Sign	MAPS9	
Vessel Contact Details		
Bridge	+44 7367 441 727	
Party Chief		
Email	enterprise@seacatservices.co.uk	

5 Westermost Rough – Notice to Mariners

5.1 Lighting and Marking Status

A01 fog signal is constantly sounding, the issue is being investigated and this NTM will be updated when the problem has been fixed.

5.2 Other Operations


5.2.1 Blade LEP campaign


The CTV NSL Discovery and the SOV Island Condor will be on site to conduct the blade repairs until the end of September.

When the technicians are deployed via the ropes an exclusion zone of 100m will be required.

All 35 turbines will be visited. There will be a liaison officer on board the Island Condor who will communicate a 3-5 day lookahead of planned locations throughout the project.


Vessel Information

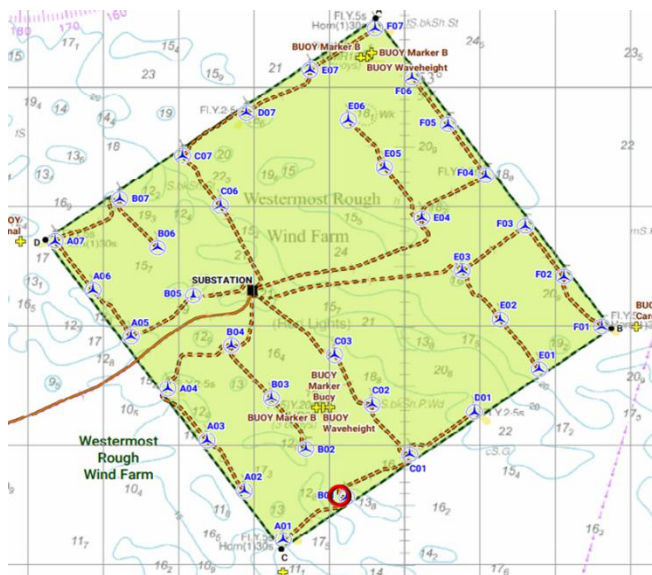
General Information		Vessel Picture
Name	NSL Discovery	
Flag	United Kingdom [GB]	
Year Built		
MMSI	235096731	
Call Sign	2GEQ9	
Vessel Contact Details		
Bridge		
Party Chief		
Email	discovery@northsealogistics.co.uk	

General Information		
Name	MV ISLAND CONDOR	
Flag	Norway	
Year Built	2014	
MMSI	257026000	
Call Sign	LNJM3	
Vessel Contact Details		
Bridge	VSAT Bridge: +47 23 67 36 38 CSM Bridge: +47 960 04 744	
Party Chief		
Email	bridge@condor.islandoffshore.com captain@condor.islandoffshore.com	

5.2.2 Main Bearing replacement

Main Bearing replacement work is expected to start on WMR on the 12th June, lasting approx. 6 days. Once the vessel is jacked up in position at B01, there will be the requirement for a 500m Safety Zone for the duration of the operation.

General Information		
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
MMSI	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+4561372673	
Party Chief		
Email	Master.windenterprise@ziton.eu	



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 High Speed Bearing Exchange

AT the beginning of May, we will be carrying out some rectification work on several locations identified below. The Spectrum 2 CTV will be supporting this scope.

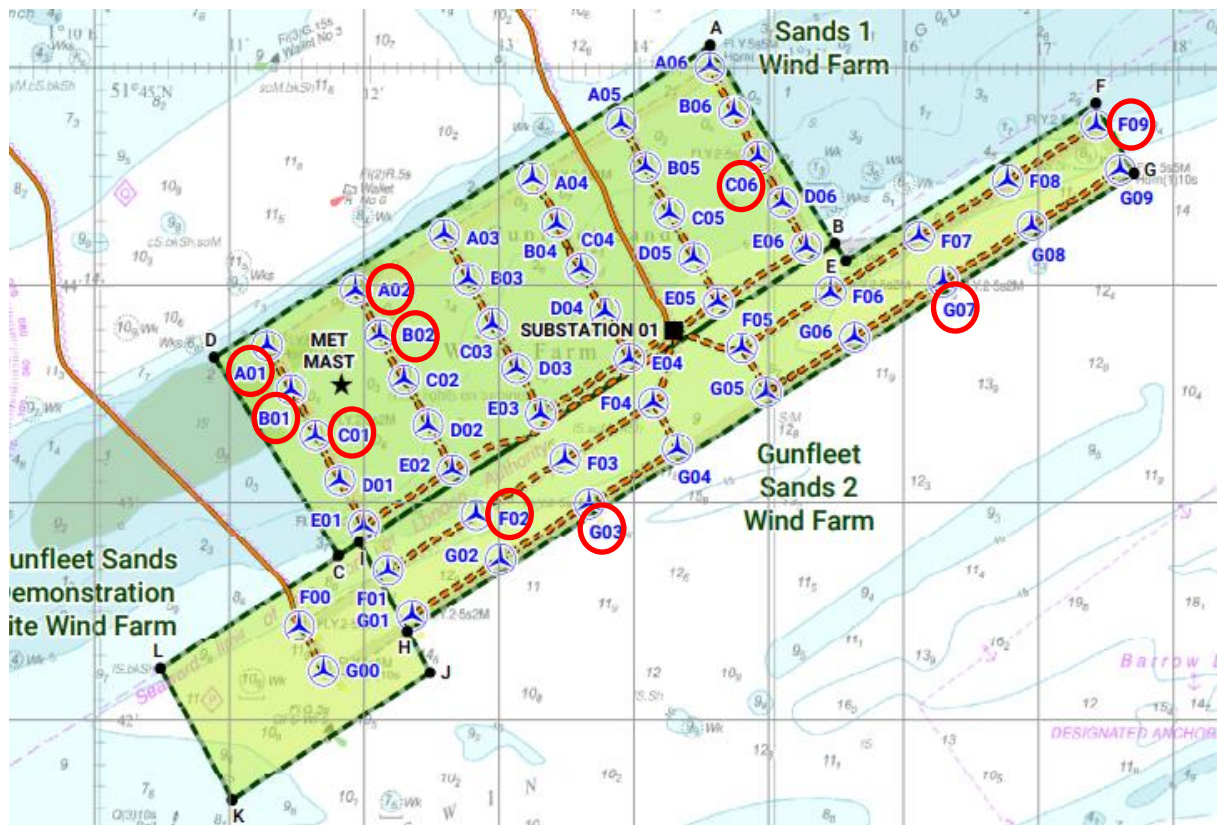
General Information		Vessel Picture
Name	Spectrum 2	
Flag	UK	
Year Built	-	
IMO/MMSI	235097363	
Call Sign	2GHE5	
Vessel Contact Details		
Bridge	07538562919	
Party Chief		
Email	Spectrum2@spectrum-offshore.com	

Coordinates

WINDFARM	TURBINEID	WGS84 (Deg, decimal Minutes)	
		LONGITUDE	LATITUDE
GFS01	C02	001° 12.29913815' E	51° 43.56607477' N
GFS02	F09	001° 17.42810506' E	51° 44.73736528' N

7.2.2 External Blade Inspections

At the beginning of May we will be carrying out external blade inspections for the below locations via drone. We anticipate the works taking 2-3 days. The vessel will be the Spectrum 3 (see above)

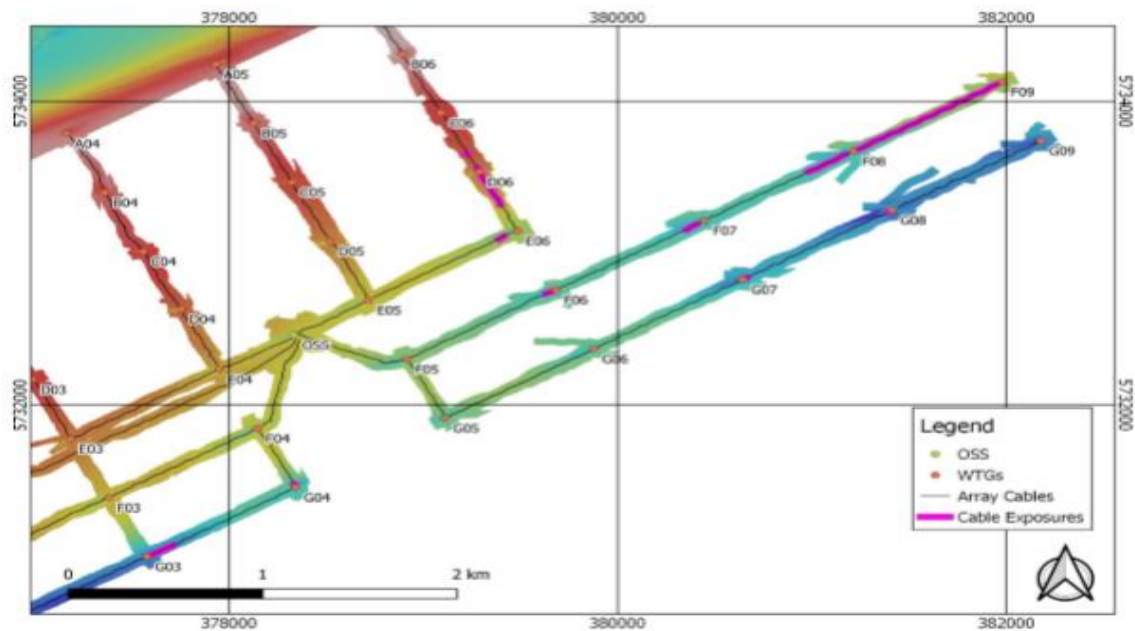


7.3 Cable exposure

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

H27 Foghorn is currently inoperative.

8.2 Other Operations


8.2.1 ~~G25 Switchgear Replacement Complete~~, *Emergent Work on E01*

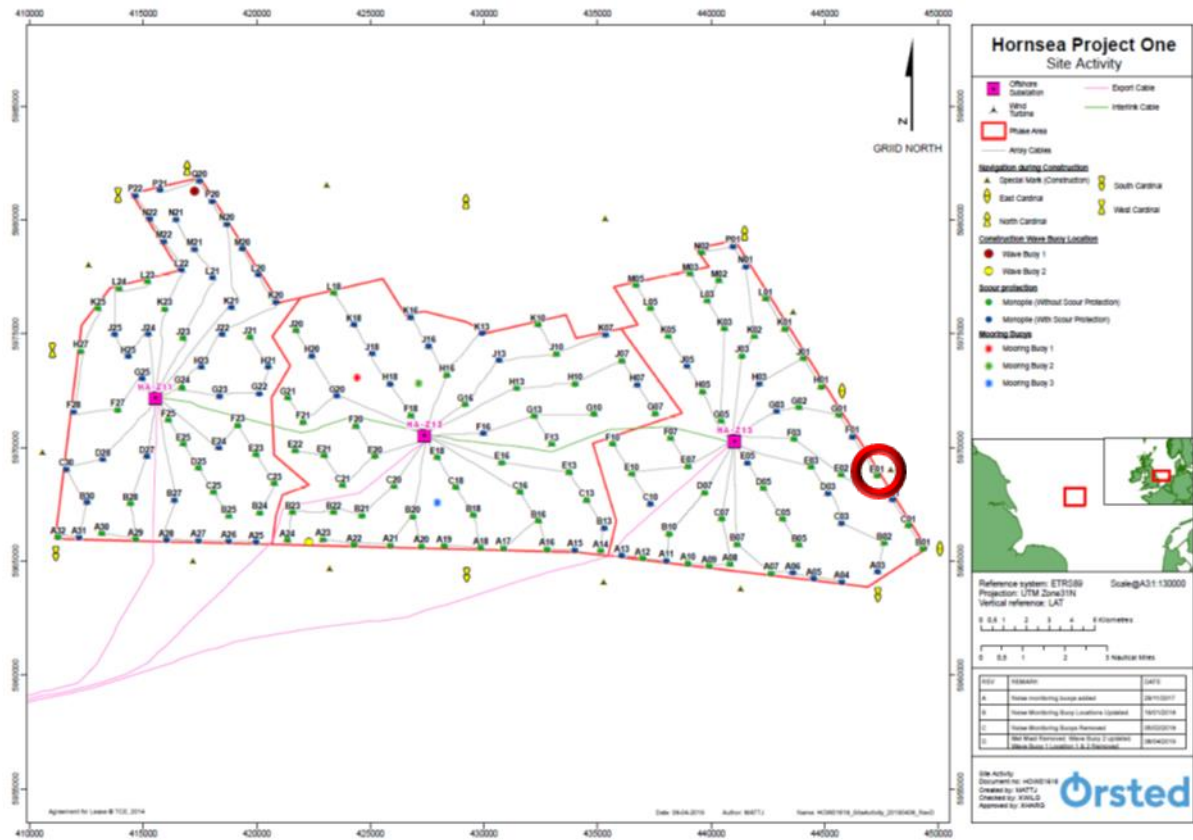
Emergent works for E01 Switchgear, following on from G25 work scope. The vessel will reposition 14/05/2022 to E01. It is expected work duration is 14days, in which the Horizon Enabler will depart once the component is safely aboard the vessel and sail to port, returning within the 14days to with replacement component to repair the asset. Mariners are requested to observe a 50m safety exclusion zone around the Horizon Enabler. We would request that fishing gear is not placed within 150m of E01.

TURBINEID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
E01	002° 11'54.701"E	53° 51'53.062" N

Vessel Information

General Information		Vessel Picture
Name	Horizon Enabler	
Flag	UK	
Year Built	2010	
MMSI Number	314627000	
Call Sign	8PBK2	
Vessel Contact Details		
Bridge		
Party Chief		
Email	captain.enabler@horizonmaritime.com	

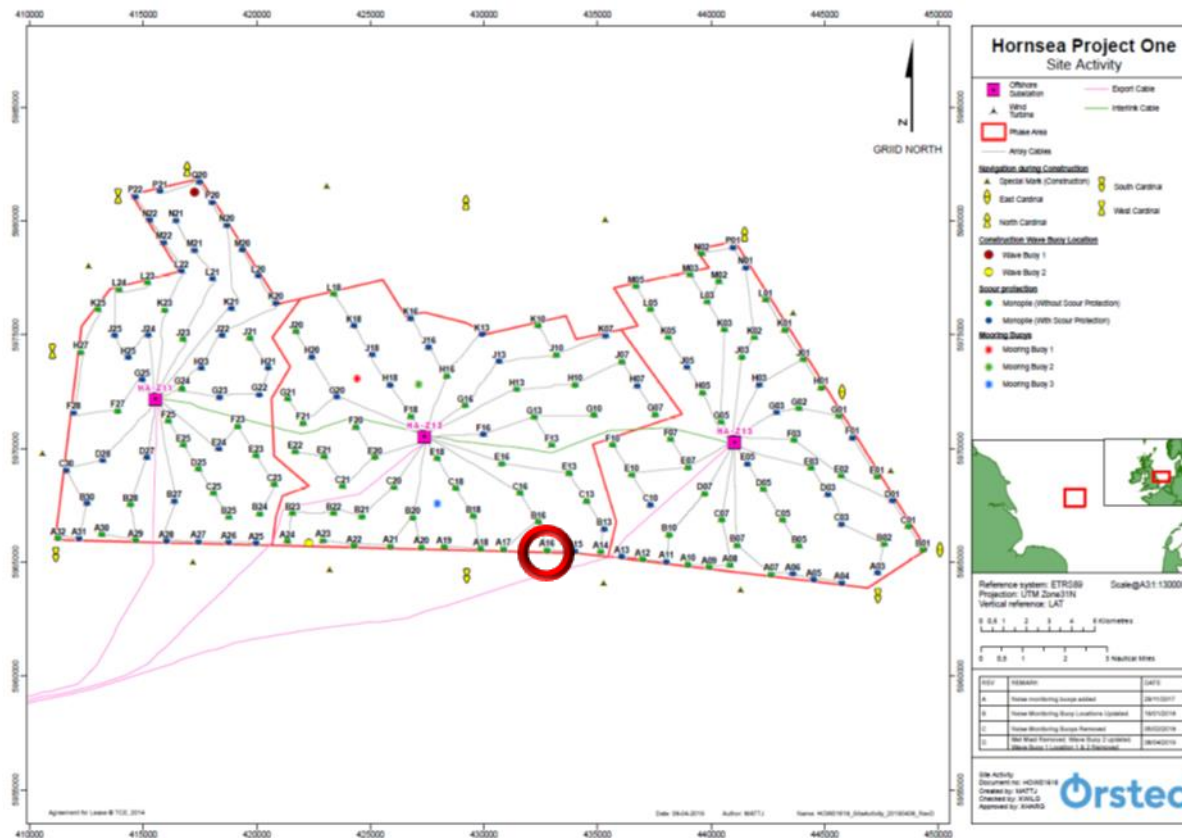





8.2.2 Main Bearing Replacement


Main Bearing replacement work is expected to start on HOW01 on the 5th June, lasting approx. 6 days. Once the vessel is jacked up in position at A16, there will be the requirement for a 500m Safety Zone for the duration of the operation.

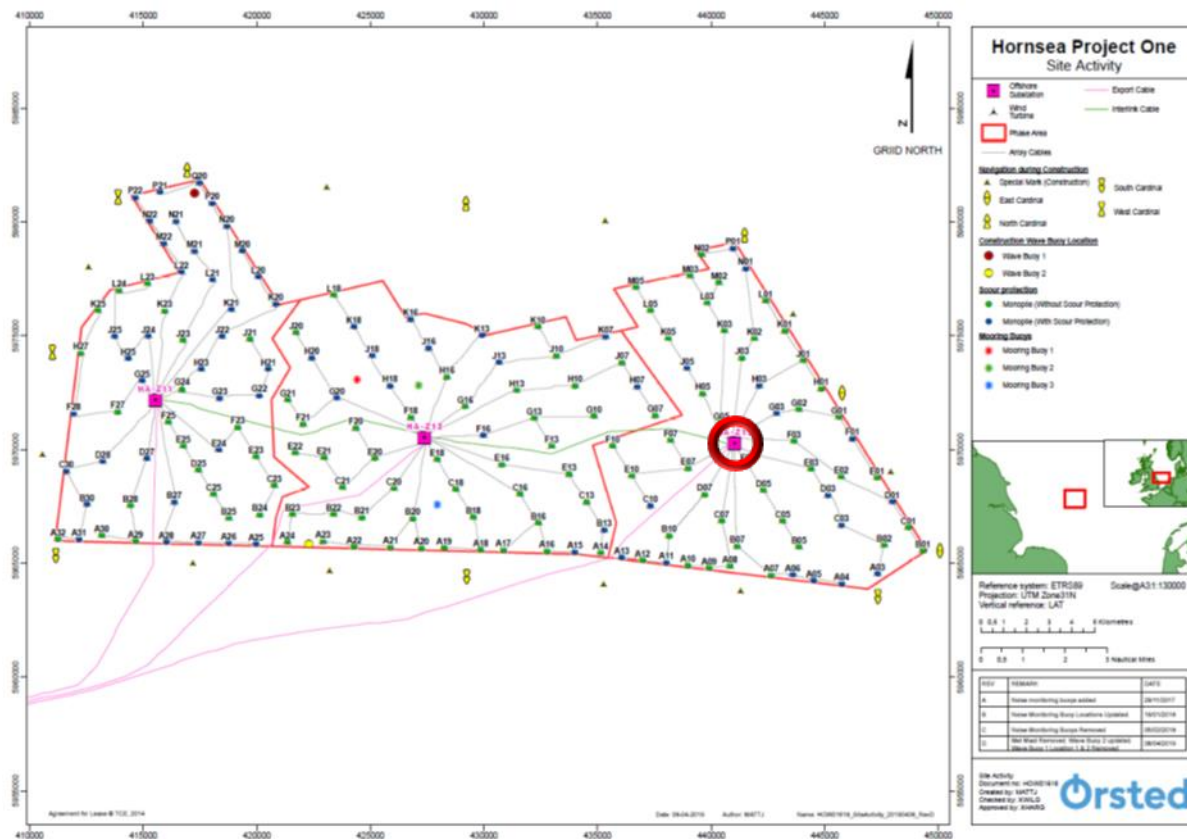
General Information		Vessel Picture
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
MMSI	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+4561372673	
Party Chief		
Email	Master.windenterprise@ziton.eu	



8.2.3 Z13 Shunt reactor Project

The MPI Resolution will be positioned on Z13 for the Shunt Reactor Project from 6th June. Duration and further details to be update a.s.a.p


General Information		Vessel Picture
Name	MPI Resolution	
Flag	Netherlands (NL)	
Year Built	2003	
MMSI	246777000	
Call Sign	PCJM	
Vessel Contact Details		
Bridge	+44 7717 668508	
Party Chief		
Email	masterres@mpi-resolution.com	



WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
HOW01 Z 13	59 70 26.234 N	4 41 00.961 E

8.2.4 Additional CTVs

Throughout June, there will be numerous additional CTV's will on site supporting site operations. The current vessel is the MCS Blue Norther. Additional CTV's TBC

General Information		Vessel Picture
Name	MCS Blue Norther	
Flag	UK	
Year Built	2012	
MMSI Number	235096374	
Call Sign	2GDD5	
Vessel Contact Details		
Bridge		
Party Chief		
Email	mcsbluenorther@maritimecraft.co.uk	