

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: January 2024

Version: 2

Table of Contents

1	Introduction	3
1.1	Subsea Cables	3
1.2	Wind Farm Positional Data	4
2	Key Contacts.....	4
3	Notice to Mariners Summary:	5
4	Race Bank – Notice to Mariners	6
4.1	Lighting and Marking Status	6
4.2	Other Operations	6
5	Westermost Rough – Notice to Mariners	7
5.1	Lighting and Marking Status	7
5.2	Other Operations	7
5.2.1	Main Bearing Exchange	7
6	Lincs – Notice to Mariners	8
6.1	Lighting and Marking Status	8
6.2	Other Operations	8
6.2.1	Lincs Generator Exchange	8
6.3	Cable Exposure.....	9
7	Gunfleet Sands – Notice to Mariners	10
7.1	Lighting and Marking Status	10
7.2	Other Operations	10
7.3	Cable exposure	10
8	Hornsea One – Notice to Mariners	11
8.1	Lighting and Marking Status	11
8.2	Other Operations	13
8.2.1	Main Bearing Exchange	13
9	Hornsea Two – Notice to Mariners	15
9.1	Lighting and Marking Status	15
9.2	Other Operations	15
9.2.1	MBES Survey	15

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
- 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.com	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Westermost Rough	Phone: 07867 674941 Email: wmoffshorec@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

3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	L07 –Marine Lanterns Extinguished	None	None	None currently.
Westermost Rough	OK	None	Yes	Main Bearing Exchange ^{°*}
Lincs	OK	Yes	None	Main Bearing Exchange ^{°*}
Gunfleet Sands	F00- Marine Lanterns Extinguished	None	None	None currently.
Hornsea One	P01 –Marine Lanterns Extinguished Fog signal inoperable	None	Yes	Main Bearing Exchange ^{°*}
Hornsea Two	OK	Yes	None	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.

4 Race Bank – Notice to Mariners

4.1 Lighting and Marking Status

L07 – Yellow Marine Lanterns Extinguished

4.2 Other Operations

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

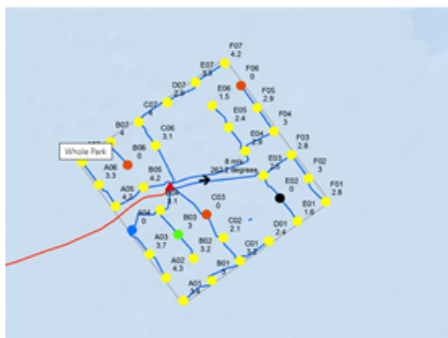
5.2 Other Operations

5.2.1 Main Bearing Exchange

Main Bearing Exchange Campaign on WMR at B06. Campaign is estimated to start approx. 31st December for 4 weeks approx. A 500m exclusion zone will be required whilst the Jack Up vessel is in position at the turbine and whilst jacking up and down.

Mariners must observe an approved exclusion zone of 500m whenever Wind Enterprise is attached to B06. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position.

General Information		Vessel Picture
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
MMSI Number	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+45 29 81 58 85	
Email	Master.windenterprise@ziton.eu	



WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
B06	53°48.654'N	00°06.722'E

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

6.2.1 Lincs Generator Exchange

Start date: Delayed due to weather, expected mid to late January.

Duration of work: 7 days (depending on weather)


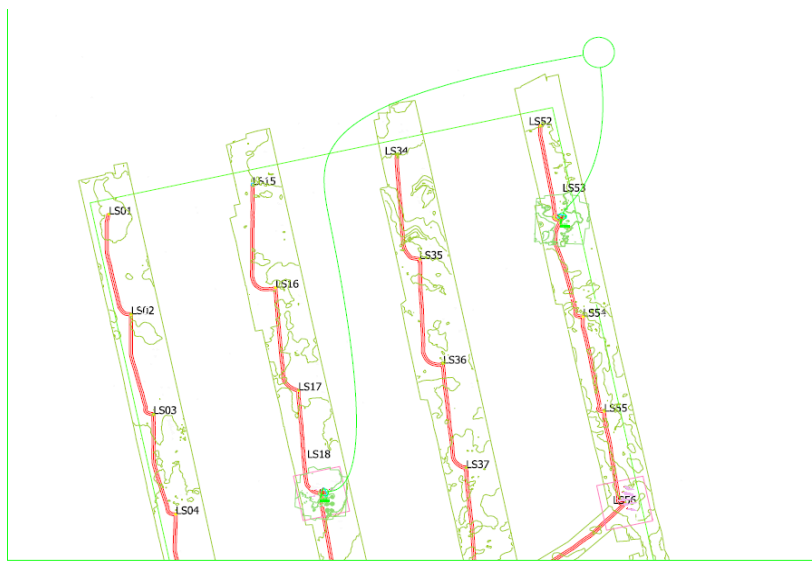
Description of work: Exchange of generator at two WTG locations (LS18 = E18 and LS53=D53) using a Jack up vessel that will be lifted above the sea level. Use of a large crane for main component exchange.

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

Safety zone required: Mariners must observe an approved safety zone of 500m whenever J/U Wind is attached to a WTG. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position.

Vessel Information

General Information		Vessel Picture
Name	J/U WIND	
Flag	Denmark	
Year Built	1996	
MMSI Number	220520000	
Call Sign	IMO 9107851	
Vessel Contact Details		
Bridge	+4520485586	
Party Chief	none	
Email	Master.wind@ziton.eu	

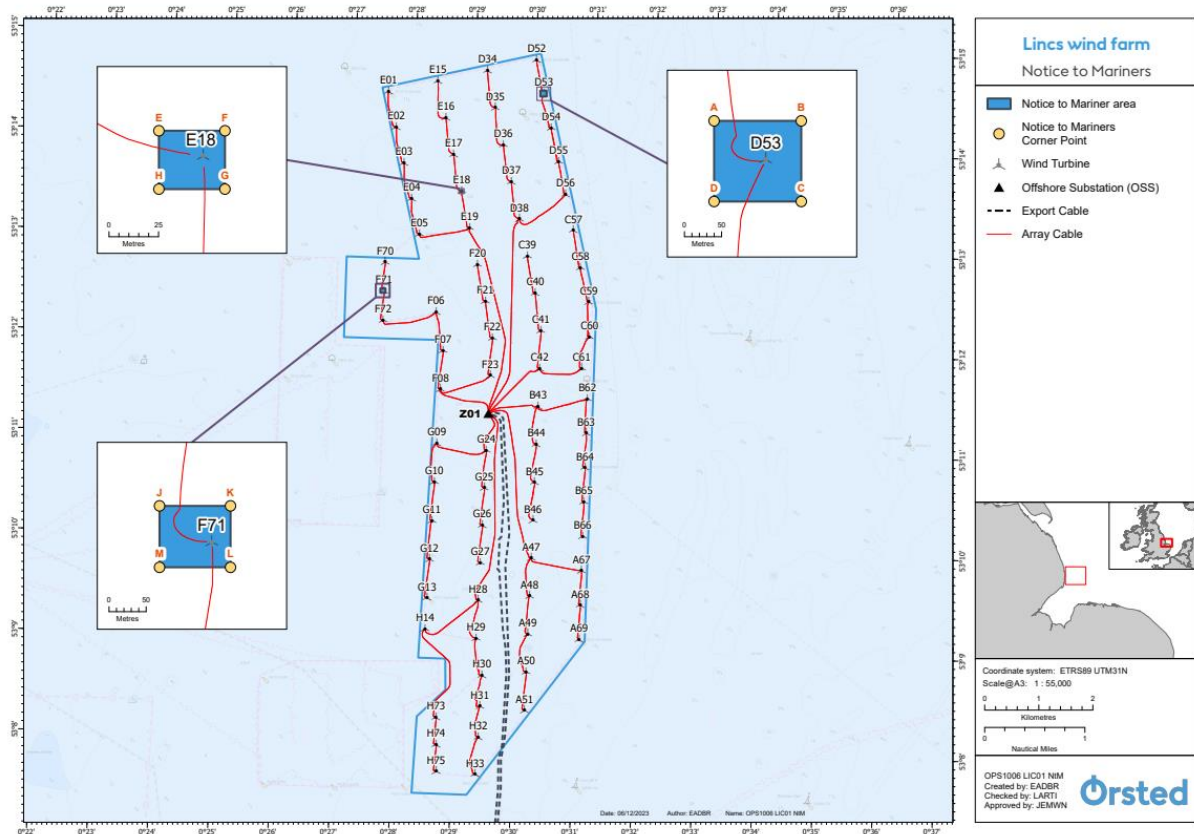



ENTRY ROUTES TO FARM

WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
LS18	53°13.511'N	00°28.840'E
LS53	53°14.511N	00°30.149'E

6.3 Cable Exposure

We have been made aware some exposed array cables at four locations on Lincs windfarm.



Corner Point ID	WTG ID	Name Plate ID	ETRS89 UTM31N (metres)		WGS84 (Decimal Degrees)		WGS84 (Degrees, decimal Minutes)		WGS84 (Deg, Min, Seconds)		Corner Point ID	Length of exposed cable	Comment
			Easting	Northing	Longitude	Latitude	Longitude	Latitude	Longitude	Latitude			
A	D53	LS53	333273.91	5902136.34	0.501419468	53.242287447	0° 30.085' E	53° 14.537' N	0° 30' 05.110" E	53° 14' 32.235" N	A	87	Within 54m of WTG
B			333391.21	5902136.34	0.503175518	53.242324262	0° 30.191' E	53° 14.539' N	0° 30' 11.432" E	53° 14' 32.367" N	B		
C			333391.21	5902028.04	0.503232160	53.241351645	0° 30.194' E	53° 14.481' N	0° 30' 11.636" E	53° 14' 28.866" N	C		
D			333273.91	5902028.04	0.501476149	53.241314832	0° 30.089' E	53° 14.479' N	0° 30' 05.314" E	53° 14' 28.733" N	D		
E	E18	LS18	331800.12	5900295.27	0.480327896	53.225289161	0° 28.820' E	53° 13.517' N	0° 28' 49.180" E	53° 13' 31.041" N	E	6	Within 20m of WTG
F			331833.45	5900295.27	0.480826590	53.225299709	0° 28.850' E	53° 13.518' N	0° 28' 50.976" E	53° 13' 31.079" N	F		
G			331833.45	5900265.86	0.480842097	53.225035642	0° 28.851' E	53° 13.502' N	0° 28' 51.032" E	53° 13' 30.128" N	G		
H			331800.12	5900265.86	0.480343406	53.225025094	0° 28.821' E	53° 13.502' N	0° 28' 49.236" E	53° 13' 30.090" N	H		
J	F71	LS71	330316.15	5898483.91	0.459084676	53.208550947	0° 27.545' E	53° 12.513' N	0° 27' 32.705" E	53° 12' 30.783" N	J	86	Within 63m of WTG
K			330411.61	5898483.91	0.460512633	53.208581405	0° 27.631' E	53° 12.515' N	0° 27' 37.845" E	53° 12' 30.893" N	K		
L			330411.61	5898401.38	0.460556480	53.207840247	0° 27.633' E	53° 12.470' N	0° 27' 38.003" E	53° 12' 28.225" N	L		
M			330316.15	5898401.38	0.459128547	53.207809791	0° 27.548' E	53° 12.469' N	0° 27' 32.863" E	53° 12' 28.115" N	M		

7 Gunfleet Sands – Notice to Mariners

7.1 Lighting and Marking Status

F00 Yellow marine lanterns extinguished.

7.2 Other Operations

No current other operations.

7.3 Cable exposure

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

WGS84 Degrees, decimal Minutes						
ID	ArrayCableID	Length_m	StartCoord_Longitude	StartCoord_Latitude	EndCoord_Longitude	EndCoord_Latitude
GFS_MBES_TO_01-UnidentifiedOther	F08-F09	13.4	1° 17.383' E	51° 44.721' N	1° 17.396' E	51° 44.723' N
GFS_MBES_TO_02-CableExposure	F08-F09	790.93	1° 16.787' E	51° 44.486' N	1° 17.376' E	51° 44.718' N
GFS_MBES_TO_03-CableExposure	F07-F08	533.19	1° 16.562' E	51° 44.401' N	1° 16.726' E	51° 44.466' N
GFS_MBES_TO_04-CableExposure	F06-F07	25.25	1° 16.059' E	51° 44.203' N	1° 16.075' E	51° 44.210' N

8 Hornsea One – Notice to Mariners

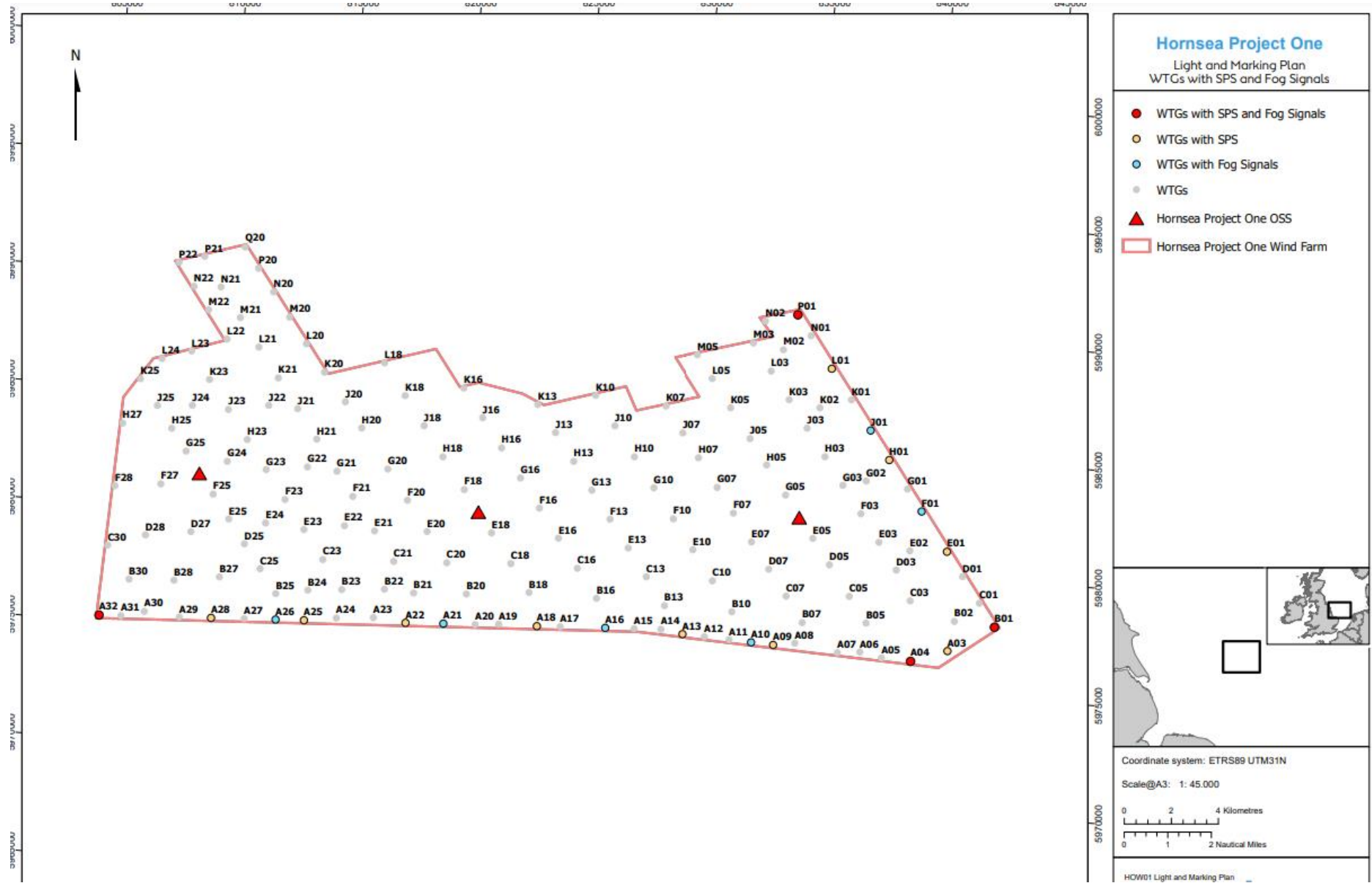
8.1 Lighting and Marking Status

P01 Yellow Marine Lanterns Extinguished and Fog Horns Inoperable.

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



8.2 Other Operations

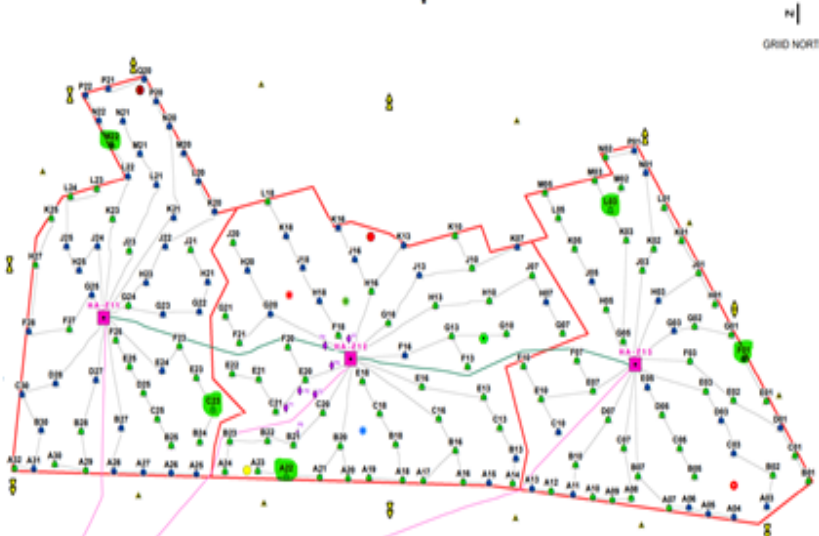
8.2.1 Main Bearing Exchange

Main Bearing Exchange Campaign on Hornsea 01 at A22, C23, M22,F01,L03. Campaign is estimated to start November for 30 days work approx. this may be longer due to weather delays. A 500m exclusion zone will be required whilst the Jack Up vessel is in position at the turbines and whilst jacking up and down.

Mariners must observe an approved exclusion zone of 500m whenever Wind Enterprise is attached to C23, M22 and A22. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position.

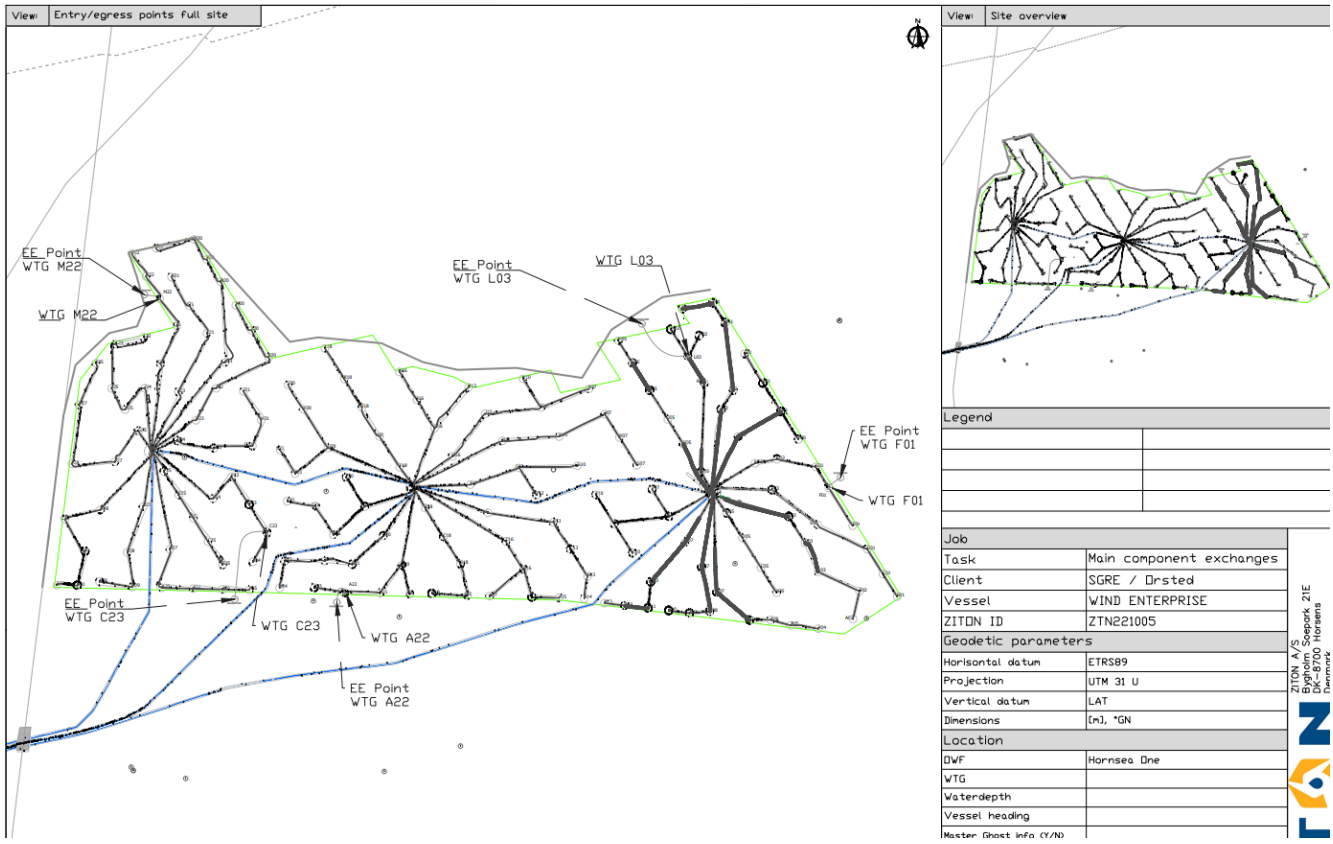
General Information		Vessel Picture
Name	Wind Enterprise	
Flag	Denmark	
Year Built	2011	
MMSI Number	219370000	
Call Sign	OZTU2	
Vessel Contact Details		
Bridge	+45 29 81 58 85	
Email	Master.windenterprise@ziton.eu	

Coordinates example



WTG ID	Degrees, Decimal Minutes	
	Latitude	Longitude
A22	53°50' 5.059" N	01°50' 57.533" E
C23	53°51' 30.170" N	01°47' 42.830" E
M22	53°57' 11.249" N	01°43' 6.43" E
F01	53°52' 48.086" N	02°10' 54.639" E
L03	53°55' 58.740" N	02°5' 0.167" E

Entry points for Wind Enterprise.



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.

9.2 Other Operations

9.2.1 MBES Survey

Start Date: Mid-December

Duration of works scope: 1 Month.

Description of work: Full site MBES survey incl. EC's to KP. 7

Is this a licensed activity: Yes/No

Safety zone required. If Yes what distance? No

Vessel Information

General Information		Vessel Picture
Name	Deep Breaker	
Flag	Panama	
Year Built	1956	
MMSI	371150000	
Call Sign	HP4641	
Vessel Contact Details		
Bridge	GSM: +31615367813 SAT: +31208085042	
Party Chief	TBD	
Email	breakersurvey57@gmail.com	