

Hornsea 2 Offshore Wind Farm

WEEKLY STATUS REPORT



Week Commencing: 9/11/2020 WK 46
Notice no: 029
Issued on 6th November 2020

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1. Ørsted Marine and Helicopter Co-ordination Centre (MHCC)

MHCC Routine Enquiries (24 hours)	+44 (0) 207 811 1171
MHCC Emergency Number (24 hours)	+44 (0) 207 811 1170
Email	MHCC_HOW02_ADM@orsted.co.uk

Safety Information

All vessel not involved in construction activities are requested to keep a 500m safety distance from construction and dive support vessels whilst transiting the area

During Construction

- 'Rolling' 500m Safety Zones (SZs) around each wind farm structure and / or their foundations when a construction vessel **is** present
- Pre-commissioning 50m SZs around any wind farm structure which is either partially constructed but not yet commissioned where a construction vessel **is not** present.

Discrepancies identified between coordinates should be questioned immediately to Ørsted. Information is supplied on a 'not for navigation' basis. All coordinated are WGS84 unless stated otherwise

2. HOW02 Guard Vessel Details



EMSWIND

Bridge: +31 255 787 008

Iridium: +8 816 777 626

Mobile: +34 697676216

emswind@DBconnect.nl

IMO No: 9824540

Call sign: C6DX8

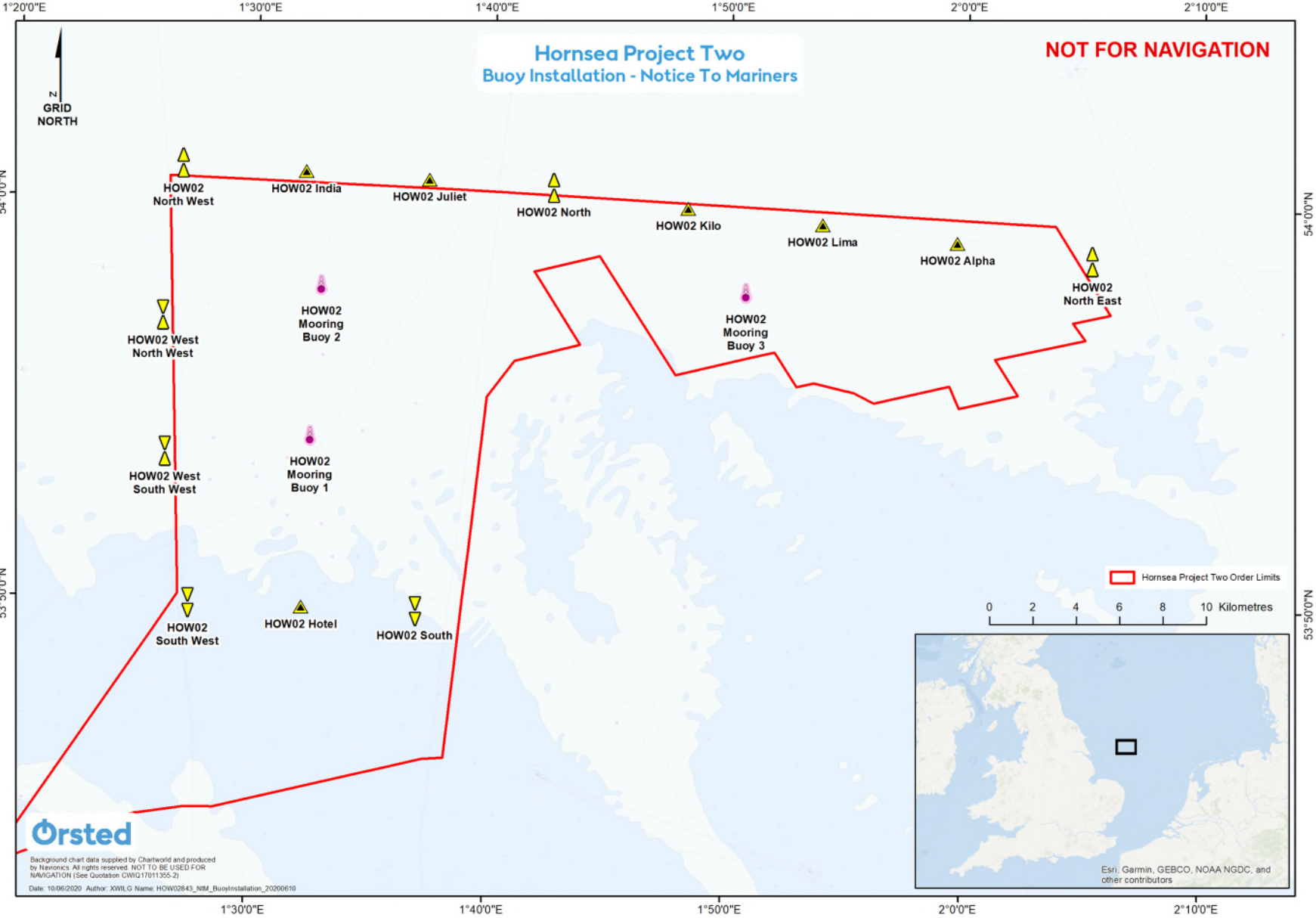
MMSI: 311000812

3. HOW02 Deployed navigation aids and buoys

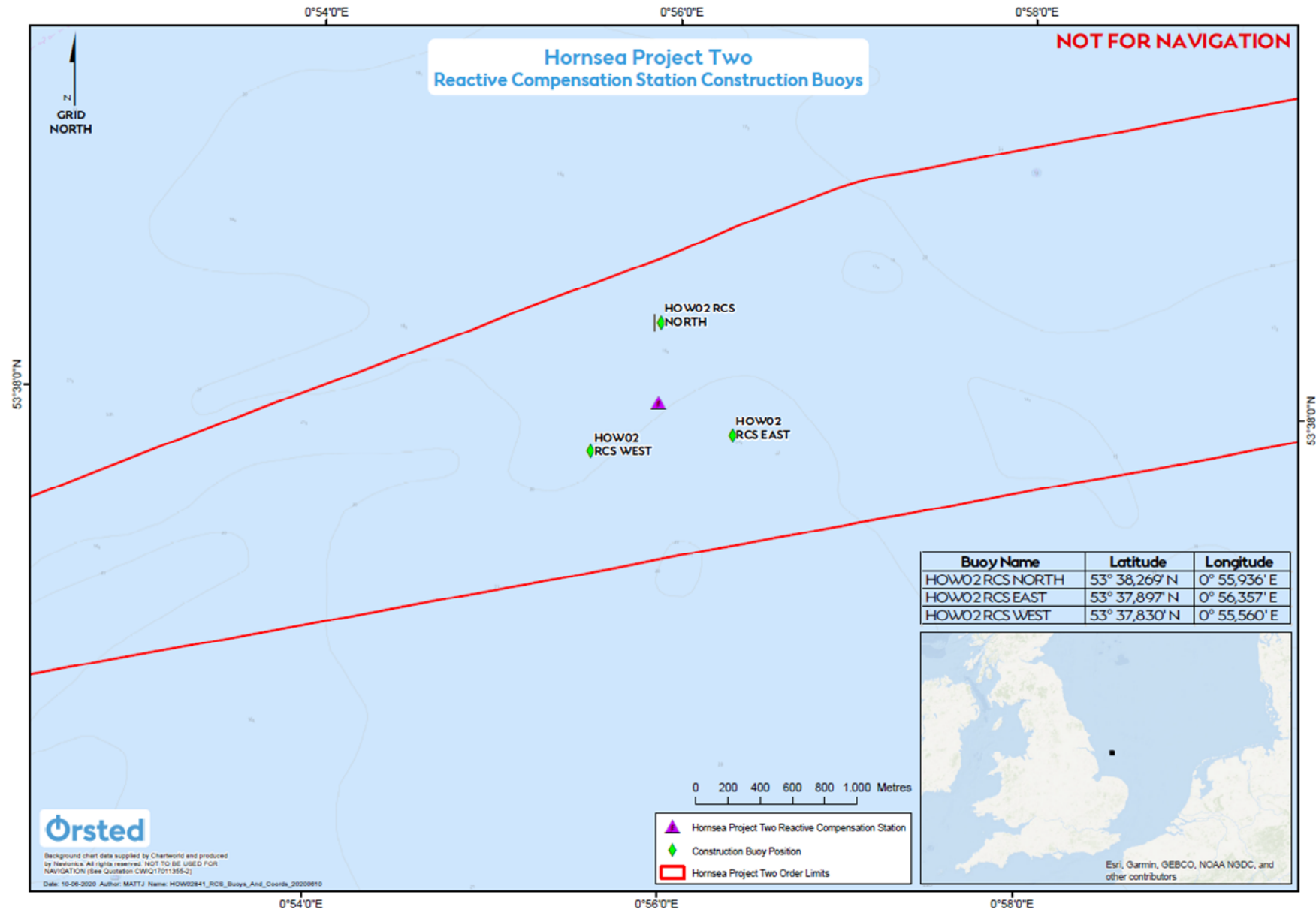
Buoy Name	Longitude (WGS84)	Latitude (WGS84)	Buoy Name	Longitude (WGS84)	Latitude (WGS84)
HOW02 Alpha	1° 59.629' E	53° 59.161' N	HOW02 West South West	1° 26.344' E	53° 53.645' N
HOW02 Hotel	1° 32.225' E	53° 49.820' N	HOW02 West North West	1° 26.152' E	53° 57.041' N
HOW02 India	1° 32.092' E	54° 0.692' N	HOW02 Kilo	1° 48.240' E	53° 59.930' N
HOW02 Juliet	1° 37.306' E	54° 0.542' N	HOW02 Lima	1° 53.935' E	53° 59.573' N
Mooring Buoy 1	1° 32.447' E	53° 53.993' N	HOW02 North East	2° 5.322' E	53° 58.750' N
Mooring Buoy 2	1° 32.808' E	53° 57.757' N	HOW02 North West	1° 26.877' E	54° 0.842' N
Mooring Buoy 3	1° 50.716' E	53° 57.735' N	HOW02 South	1° 37.014' E	53° 49.769' N
HOW02 North	1° 42.544' E	54° 0.395' N	HOW02 South West	1° 27.442' E	53° 49.872' N

Buoy Name	Longitude (WGS84)	Latitude (WGS84)
HOW02 RCS North	0° 55.936' E	53° 38.269' N
HOW02 RCS East	0° 56.357' E	53° 37.897' N
HOW02 RCS West	0° 55.560' E	53° 37.830' N

HOW02 Demarcation Buoys



HOW02 RCS Buoys



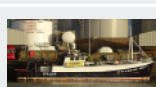

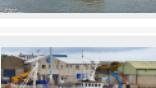


4. HOW02 Vessels Operations and Activities

Operations / Package	Vessel(s)	Comments
Construction	MHO Grimsby Emswind	Personnel Transfer / Survey Guard Vessel
Export Cable Installation	BOKA Falcon MTSL Avocet Ndurance Lingestroom Ivero NG Worker Adorne Isla B Defiant Ability Adventure Resilient Karelle	Trenching Trials CTV Cable Lay Vessel Cable Lat Vessel Survey CFE WorksVessel Guard Vessel Guard Vessel Guard Vessel Guard Vessel Guard Vessel Guard Vessel
Foundations	Innovation Flintstone	Foundation Installation Rock Placement







5. HOW02 Vessel Update

Vessels Currently On Site

Vessel Details			Vessel Communications				Work Schedule		VCC
Vessel Picture	Vessel Name	MMSI	Contact Number	Email	Type	Frequencies Monitored	Start / Arrival	Package	VCC Issued
GUARD VESSELS									
	Emswind	311000812	+31 255 787 008	emswind@DBconnect.nl	VHF	Ch. 16 & P1 @ 162.050 MHz	01.10.2020	Construction	30.09.2020
	Adorne	232023203	+0044 1723430719	gvadorne@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	05.09.2020	Export Cable Installation	04.09.2020
	Isla B	232007860	+44 7415 940054	islabbbridge@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	25.09.2020	Export Cable Installation	24.09.2020
	Defiant	233651000	+ 44 (0) 1261455459	gvdefiant@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	25.10.2020	Export Cable Installation	20.10.2020
	Ability	235014666	+44 (0) 1346 490737	kmsability@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	27.10.2020	Export Cable Installation	27.10.2020
	Adventure	235109237	+44 (0) 1947 750717	gvadventure@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	27.10.2020	Export Cable Installation	28.10.2020
	Resilient	232711000	+44 (0) 2841140788	gvresilient@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	27.10.2020	Export Cable Installation	28.10.2020
	Karelle	234325000	+447770823004	KMSKarelle@gmail.com	VHF	Ch. 16 & P1 @ 162.050 MHz	01.11.2020	Export Cable Installation	31.10.2020



HOW02 Vessel Update

Vessels Currently On Site continued.....

Vessel Details			Vessel Communications				Work Schedule		VCC
Vessel Picture	Vessel Name	MMSI	Contact Number	Email	Type	Frequencies Monitored	Start / Arrival	Package	VCC Issued
CREW TRANSFER VESSELS									
	MHO Grimsby	219025992	+45 53 65 46 45	Mho-Grimsby@mho-co.dk	VHF	Ch. 16 & P1 @ 162.050 MHz	01.04.2020	Construction	04.05.2020
	MTSL Avocet	235082698	+870 773 061 938	mailto:mtsl.avocet@gardline.com	VHF	Ch. 16 & P1 @ 162.050 MHz	28/07/2020	Export Cable Installation	01.08.2020
CONSTRUCTION VESSELS									
	Ndurance	209851000	+31 6 51090370	Ndurance-Captain@boskalis.com	VHF	Ch. 16 & P1 @ 162.050 MHz	11.08.2020	Export Cable Installation	17.08.2020
	Flintstone	245861000	+31 65 1957354	captain.flintstone@deme-group.com	VHF	Ch. 16 & P1 @ 162.050 MHz	19.10.2020	Foundations	31.08.2020
	BOKA Falcon	205787000	+870 773 308 429	bokafalcon-bridge@boskalis.com	VHF	Ch. 16 & P1 @ 162.050 MHz	02.08.2020	Export Cable Installation	01.04.2020
	Innovation	218781000	+49 421 944 024 1750	Chiefmate.Innovation@deme-group.com	VHF	Ch. 16 & P1 @ 162.050 MHz	05.10.2020	Foundation Installation	02.10.2020

HOW02 Vessel Update

Vessels Currently On Site continued.....

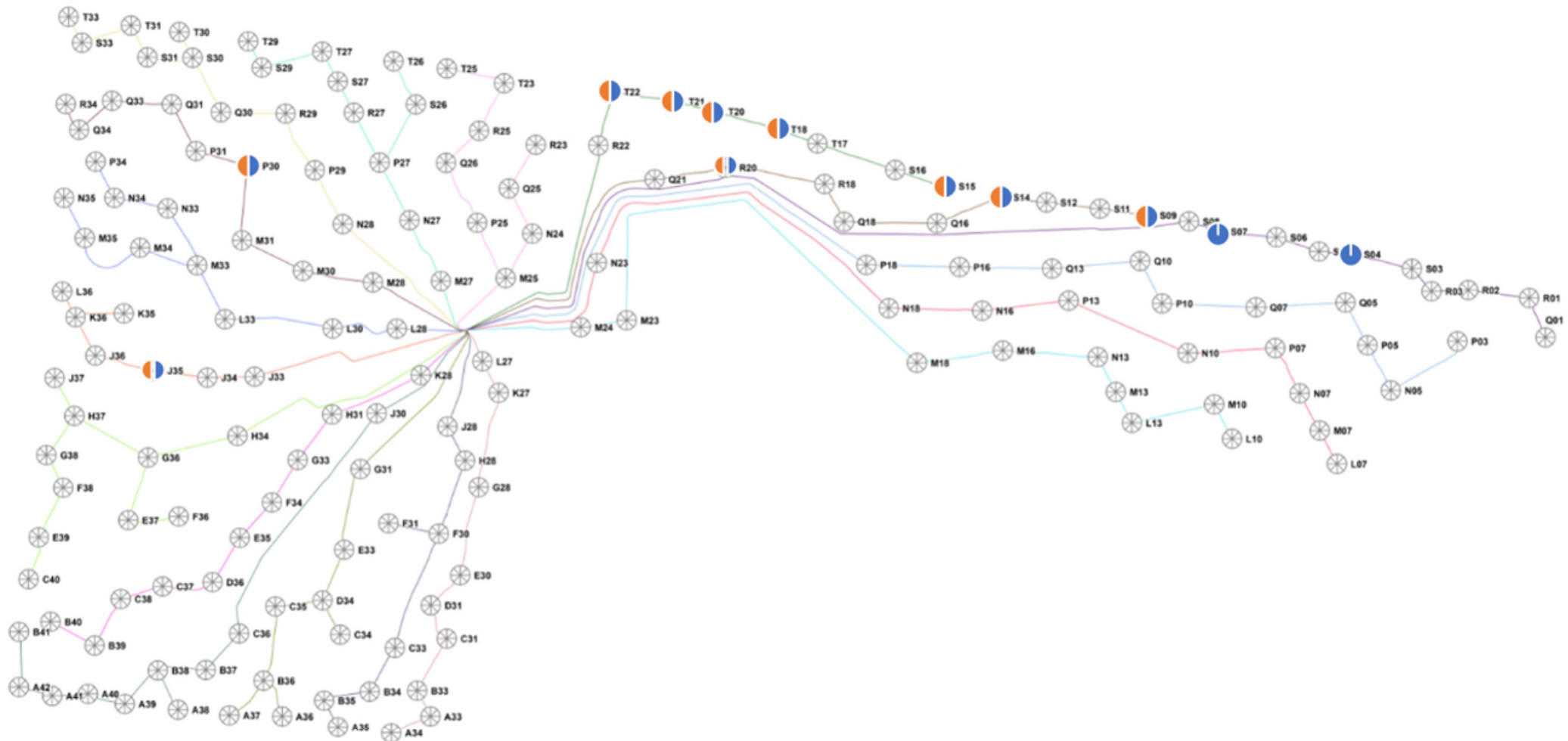
Vessel Details			Vessel Communications				Work Schedule		VCC
Vessel Picture	Vessel Name	MMSI	Contact Number	Email	Type	Frequencies Monitored	Start / Arrival	Package	VCC Issued
OTHER VESSELS									
	Ivero	232013165	+870 773 991 015	master@ivero.gardline.co.uk	VHF	Ch. 16 & P1 @ 162.050 MHz	20.07.2020	Export Cable Installation	01.05.2020
	NG Worker	247440700	+393429976700	ngworker@nextgeosolutions.com	VHF	Ch. 16 & P1 @ 162.050 MHz	04.11.2020	Export Cable Installation	NG Worker

6. HOW02 Vessel Update

Vessels Due On Site

Vessel Picture	Vessel Name	MMSI	Contact Number	Email	Type	Frequencies Monitored	Start / Arrival	Package
	MMA Pinnacle	533130779	+65 63401528	Master.Pinnacle@mmao-fshore.com	VHF	Ch. 16 & P1 @ 162.050 MHz	08.11.2020	Array Cable Installation

7. HOW02 Installation Status



Monopole Installed	
MP & TP Installed	

300000

350000

360000

380000

420000

05.11.20 - LAUHI

Export Cable Installation Tracker 2020

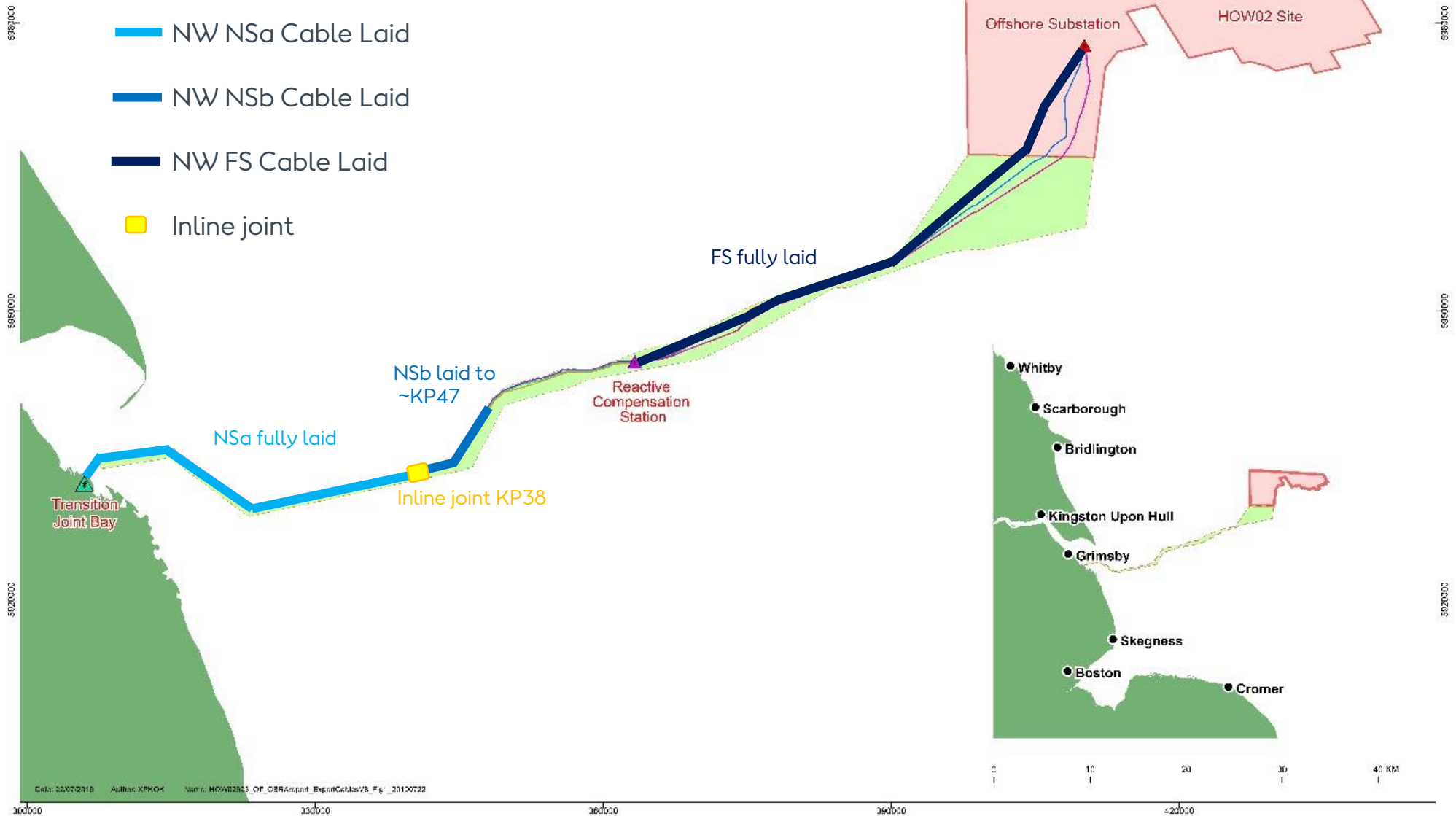
Key:

— NW NSa Cable Laid

— NW NSb Cable Laid

— NW FS Cable Laid

■ Inline joint



300000

350000

360000

380000

420000

8. HOW02 Current Scope of Works

Export Cable Installation

- MTSL Avocet – Crew Transfers
- Boka Falcon – Trenching vessel
- Ndurance – Cable Lay at inter-tidal zone
- Lingestroom – AHT for Ndurance
- Ivero – Survey Far shore Export Cable
- Adorne – Cable Guard Vessel
- Isla B – Cable Guard Vessel
- Defiant – Cable Guard Vessel
- Ability – Cable Guard Vessel
- Adventure – Cable Guard Vessel
- Resilient – Cable Guard Vessel
- Karelle – Cable Guard Vessel
- NG Worker– CFE Works Vessel

Construction

- MHO Grimsby – Survey
- Emswind – HOW02 Guard Vessel

Foundations

- Flintstone – Scour Protection on foundation locations
- Innovation – Installing MP's and TP's at foundation locations

9. HOW02 Notice to Mariners currently open

NtM Title	Document No	Description
HOW02_OFF_EX_NtM Boulder Clearance and Trial Trenching	05970048_G	Notice of Boulder Clearance and Trial Trenching
HOW02_OFF_EX 1009 NtM Titan Endeavour 200220	05891344_A	Notice of Geophysical Survey
HOW02_OFF_EX NtM MHO Grimsby 200605	05988141_B	Notice of Geophysical Survey
HOW02_OFF_EX_NtM Notification of UXO	06063171_I	Notice of Further cUXO Identified
HOW02_OFF_EX_NtM Transponder and Metocean Buoy Deployment	06197107_D	Notice of measurement buoy deployment
HOW02_OFF_EX_NtM Commencement of Export Cable Works	06196988_B	Notice of Export Cable Installation
HOW02_OFF_EX_NtM Export Cable Installation Works	06239336_I	Notice of Export Cable Installation Activities
HOW02_OFF_EX_NtM Deployment of Construction Buoys	06230743_C	Construction Demarcation Buoy Deployment
HOW02_OFF_EX_NtM Export Cable Beach_Nearshore Works	06362764_C	Notice of Intertidal Works Update
HOW02_OFF_EX_NtM WTF Foundation Installation Works	06478167_C	Notice of Foundation Installation Works – Commencement of Scour protection Installation
HOW02_OFF_EX_NtM Array Cable Installation Works	06478166_A	Notice of Array Cable Installation Works – Commencement of PLGR
HOW02_OFF_EX_NtM OSS RCS Installation	06523452_C	Notice of Foundation Installation Activities – Commencement of OSS and RCS Jacket Installation

<https://doreco.orsted.dk/share/page/site/wp-ap-how02/document-details?nodeRef=workspace://SpacesStore/b0c65e93-8b03-4e84-863f-68f55b4d8fd5>

10. HOW02 Safety Zones

If there are any questions regarding safety zones please contact MHCC or HOW02 Ops Support

– During Construction

- ‘Rolling’ 500m Safety Zones (SZs) around each wind farm structure and / or their foundations when a construction vessel **is** present
- Pre-commissioning 50m SZs around any wind farm structure which is either partially constructed but not yet commissioned where a construction vessel **is not** present.

Current HOW02 Active Safety Zones

Asset	Size	Duration
HB Z11	50m	Until further notice
HB Z01	50m	Until further notice
Innovation	500m	Until further notice
S14	50m	Until further notice
S09	50m	Until further notice
P30	50m	Until further notice
R20	50m	Until further notice

10. HOW02 Safety Zones Continued

Asset	Size	Duration
T18	50m	Until further notice
T20	50m	Until further notice
S07	50m	Until further notice
T21	50m	Until further notice
T22	50m	Until further notice
S04	50m	Until further notice
S15	50m	Until further notice
J35	50m	Until further notice