



FOGA ApS
FISHERMENS
INFORMATION
ON OFFSHORE
ACTIVITIES

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BALTIC SEA ACTIVITIES

Week 23
June 9, 2022

FOGA ApS has on basis of information received from offshore operators in the Baltic Sea prepared the following newsletter describing present activities:





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Update of information
Week 23

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Next FOGA Info to be distributed, June 16, 2022

INFO 1.0



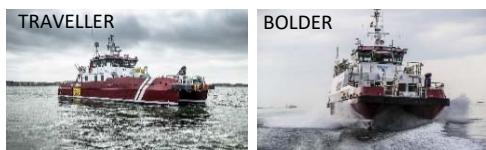
VATTENFALL

The offshore windfarm **Danish Kriegers Flak** was established and is situated in the Danish part of the Baltic Sea.

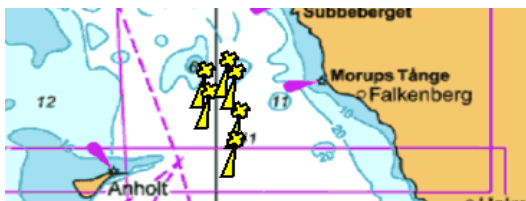
The Crew Transfer Vessels (CTV) **TRAVELLER** and **BOLDER** operate in the Kriegers Flak area.

Vattenfall OCC Marine Coordination Centre is in operation 24/7 and can be contacted via duty-phone no.: +45 32 240 243.

Vattenfall OCC (MCC) is monitoring the traffic in the area of all Vattenfall OWF.



INFO 1.1



Vattenfall have deployed a wave buoy as well as a guard buoy in Kattegat, where the Kattegat Syd Wind Farm is planned. The buoys are deployed at below mentioned positions:

Wave bouy:

KAYD 56° 52' .415'N - 12° 00.458'E

Guard buoy:

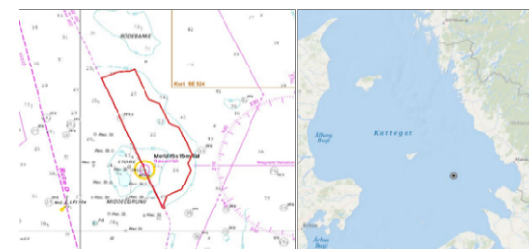
KAYD 56° 52' .490'N - 12° 00.600'E

Both buoys has a yellow light with 5 flashes every 20 sec. with a range of 3 NM: FI(5) Y 20s

Mariners are requested to keep clear of the buoys.

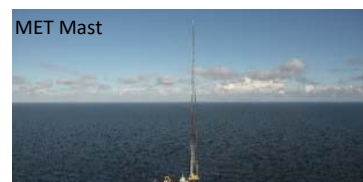
C-POD stations: On the below mentioned positions Vattenfall have 5 C-POD stations deployed (KS1-KS5) marked with yellow buoys.

Station	Lat	Long
KS1	56,85243	11,93293
KS2	56,8498	12,03168
KS3	56,80908	11,94408
KS4	56,76895	12,04957
KS5	56,7102	12,03213

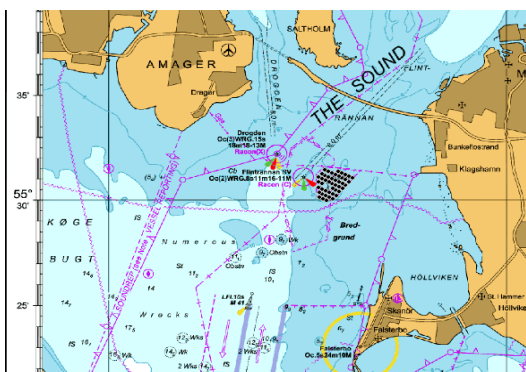


Store Middelgrund - MET Mast

On the position: 56°33.7N - 012°06.3E a MET mast is situated on a platform 7 m above mean sea level. The complete height of both mast and platform is approx. 120 m above mean sea level. The construction can be seen at the photo.

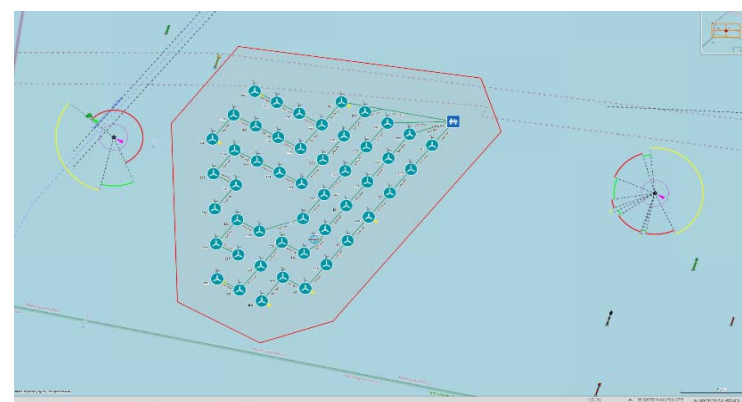


INFO 1.2



The offshore windfarm **Lillgrund** is located approx. 10 km off the coast of Southern Sweden, just South of the Öresund Bridge.

The Crew Transfer Vessel (CTV) **BRINGER** operates in the Lillgrund area.



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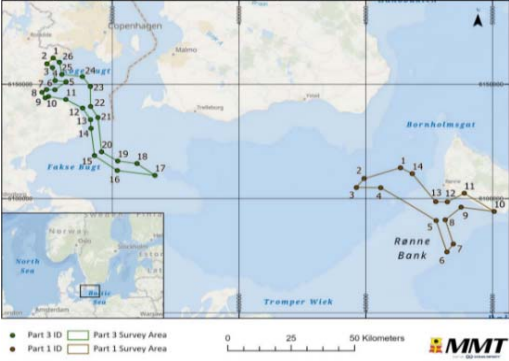
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INFO 2.0



The company Ocean Infinity with DEEP as subcontractor are performing geophysical surveys on behalf of Energinet along the cable route between Bornholm and Zealand. The vessels **DEEP VOLANS** and **GEO RANGER** are conducting survey off the coast of Bornholm (Part 1).



Part 1				
ID	X	Y	Latitude	Longitude
1	463709	6113494	55°10.004286'N	014°25.818476'E
2	449387	6108815	55°07.406324'N	014°12.380148'E
3	446277	6104840	55°05.243489'N	014°09.499441'E
4	455914	6104744	55°05.248543'N	014°18.558202'E
5	477773	6090381	54°57.592236'N	014°39.172625'E
6	481989	6076595	54°50.169232'N	014°43.174691'E
7	484561	6080074	54°52.050333'N	014°45.566521'E
8	481340	6090678	54°57.760944'N	014°42.514214'E
9	487655	6096213	55°00.757129'N	014°48.417670'E
10	500651	6094366	54°59.770395'N	015°00.610951'E
11	488855	6102348	55°04.066720'N	014°49.528583'E
12	482177	6098544	55°02.004417'N	014°43.268798'E
13	477589	6098587	55°02.016110'N	014°38.961268'E
14	468357	6110875	55°08.611380'N	014°30.213294'E

INFO 3.0

Vessel positions:

The vessel **ARNE TISELIUS** conducting environmental surveys in the Baltic Sea.
The vessel **SØLØVEN** conducting environmental surveys in the Baltic Sea.
The vessel **ARCTIC HUNTER** conducting seabed surveys in the Baltic Sea.





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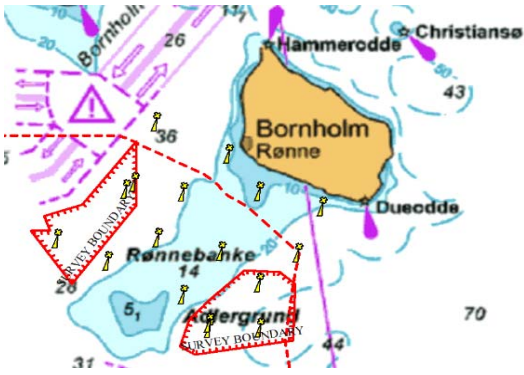
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INFO 4.0



Gardline Limited are conducting a geotechnical site investigation at the Bornholm 1 & 2 offshore wind farms on behalf of Energinet. The work is being conducted by the DP2 drill vessel **Kommandor Susan** (IMO 9177844). Operations currently being undertaken are a series of sampling boreholes in the **Bornholm 1** and **Bornholm 2** areas, see work site below. The nature of the geotechnical investigation means that whilst the vessel is operational on each location it cannot move as it will have equipment deployed to the seabed.

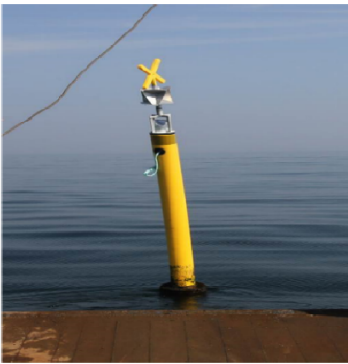
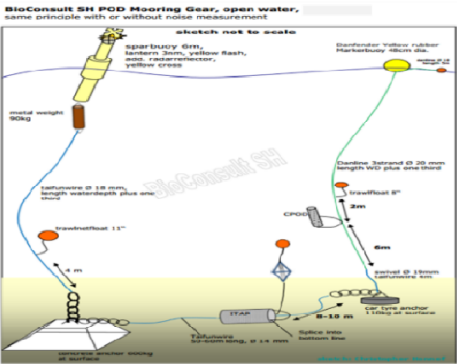
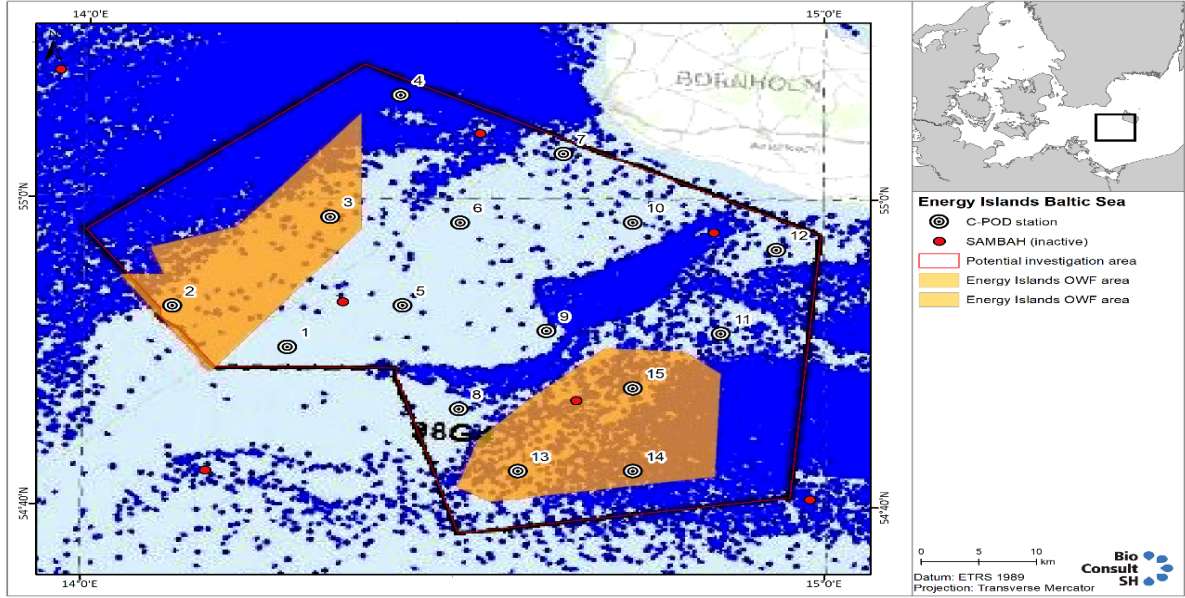


During the coming year Energinet will be carrying out metrological and oceanographic measurements Southwest and West of Bornholm, where offshore windfarms are to be located.



Energinet has deployed 15 C-POD stations in the area around the two designated areas for the two new wind farm areas approx. 20 km Southwest and South of Rønne. The C-POD stations have been selected to cover the entire area, so that it can be investigated how the marine mammals use the area. The C-POD stations will be in operation for 24 months to cover all seasons and variations between years. The stations will be serviced mid-season to guarantee one month of data per season. The stations and the individual C-PODS are equipped with GPS locating equipment so that they can be located in the event of their disappearance.

Description	Longitude	Latitude
LiDAR buoy 3	14°21.34' E	54°59.69' N
LiDAR buoy 4	14°35.29' E	54°43.02' N
Salinity and temperature string	14°35.24' E	54°42.97' N



Station	(WGS 84, DD°MM)	(WGS 84, DD°MM)	(WGS 84, DD)	(WGS 84, DD)
1	54° 50.34' N	14° 16.46' E	54,8390118	14,2743266
2	54° 52.97' N	14° 07.06' E	54,8829094	14,1176595
3	54° 58.82' N	14° 19.80' E	54,9804015	14,3300611
4	55° 06.77' N	14° 25.42' E	55,1128945	14,4236763
5	54° 53.09' N	14° 25.76' E	54,8847734	14,4293883
6	54° 58.50' N	14° 30.37' E	54,9749764	14,5062260
7	55° 02.99' N	14° 38.76' E	55,0498894	14,6459452
8	54° 46.37' N	14° 30.42' E	54,7727805	14,5070071
9	54° 51.47' N	14° 37.47' E	54,8577788	14,6244922
10	54° 58.54' N	14° 44.43' E	54,9757019	14,7405676
11	54° 51.32' N	14° 51.62' E	54,8553234	14,8602665
12	54° 56.77' N	14° 56.13' E	54,9461062	14,9355779
13	54° 42.34' N	14° 35.23' E	54,7056757	14,5871000
14	54° 42.37' N	14° 44.54' E	54,7061050	14,7422912
15	54° 47.76' N	14° 44.50' E	54,7959720	14,7417198



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INFO 5.0

VTS Fehmarnbelt area:

- 1)54° 45.20'N - 011° 02.10'E coast
- 2)54° 36.50'N - 010° 53.10'E VTS W
- 3)54° 33.70'N - 010° 53.50'E VTS SW
- 4)54° 31.65'N - 011° 03.40'E coast
- 5)54° 24.00'N - 011° 18.65'E coast
- 6)54° 24.00'N - 011° 41.60'E VTS SE
- 7)54° 31.90'N - 011° 41.60'E VTS E
- 8)54° 35.70'N - 011° 30.25'E coast



The tunnel trench will be dredged by a number of different dredging vessels (see below) working inside designated work areas situated in the "anchor zone" along the tunnel alignment.

The designated work areas are marked with buoys with AIS AtoN, and the work areas will move along the tunnel alignment as the dredging of the tunnel trench progresses.

At the Lolland coast, a new work harbour is constructed just east of the current harbour in Rødbyhavn and there have been established light at the buoys and at the breakwater. A western and an eastern mooring area, respectively, are also marked by buoys. In these areas a variety of different tasks are conducted related to the construction of the work harbor and the reclamation areas on both sides of the two harbours. Both mooring areas are off-limits to non-construction vessels.

Next to the ferry harbor in Puttgarden a mooring- and working area have been established. The area is marked with yellow buoys. In this area a variety of different tasks are conducted related to the construction of a minor work harbor. The mooring- and working area is off-limit to non-construction vessels.

The dredger **VOX AMALIA** is working outside the mentioned working sites. The vessel will be working within Route Tango, and it is listening on VHF channel 68. The degrader is self-propelled, and it can break off the work with short notice if there is risk of a dangerous situation. The vessel is restricted in its maneuverability.

It is strongly recommended not to carry out trawl-fishing in the vicinity of the tunnel trench.

Central to ensuring the safety and efficiency of the ship traffic is the establishment and operation of a **Vessel Traffic Service (VTS Fehmarnbelt)**. VTS Fehmarnbelt covers the Fehmarnbelt area (see below figure) and will be in operation during the entire tunnel construction phase. VTS Fehmarnbelt is a common German and Danish VTS operated by the German and Danish authorities.

VTS working channel is VHF 68.

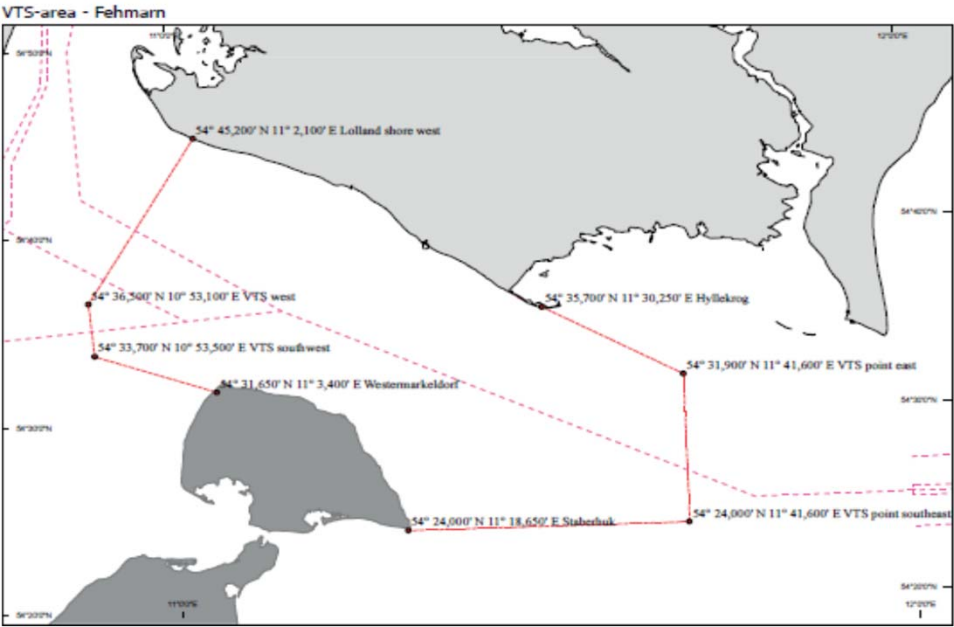
Each work area will be guarded by one guard vessel at all times. Representatives from the German and Danish authorities are onboard the guard vessels, and the guard vessels will be acting under the authority of the VTS operators.

A dedicated assistance tug (**BUGSIER 30**) will be available to assist a hampered or damaged vessel inside the VTS area at all times.

The assistance tug is free of charge, ensured and no salvage or assistance fees will be claimed.

Femern A/S has developed an electronic folder with information regarding the working areas. The folder can be downloaded via the below mentioned link:

<https://femern.com/da/byggeriet/den-bla-byggeplads/info-til-sofarende/>



Current OWA-South				
AIS buoys - Buoy Character: FL(2+1)Y.15S				
Buoy Nr	Latitude	Longitude	Chainage	Offset
S1	4°32.3918'	11°16.2815'	15685	-280
S2	4°32.2409'	11°16.7734'	15685	320
S3	4°32.0774'	11°15.9906'	15018	-280
S4	4°31.9218'	11°16.4781'	15018	320
S5	4°31.7664'	11°15.6913'	14352	-280
S6	4°31.6061'	11°16.1742'	14352	320
S7	4°31.4578'	11°15.3826'	13685	-280
S8	4°31.2928'	11°15.8609'	13685	320

Current OWA-North				
AIS buoys - Buoy Character: FL(3)Y.10S				
Buoy Nr	Latitude	Longitude	Chainage	Offset
N1	4°36.0879'	11°19.3548'	23312	-280
N2	4°35.9483'	11°19.8573'	23312	320
N3	4°36.4637'	11°19.6647'	24085	-280
N4	4°36.3241'	11°20.1672'	24085	320
N5	4°36.8400'	11°19.9750'	24859	-280
N6	4°36.7004'	11°20.4775'	24859	320
N7	4°37.2158'	11°20.2850'	25632	-280
N8	4°37.0762'	11°20.7876'	25632	320