

Morgan and Mona Offshore Wind Farms

Notice to Mariners

NtM Number	Morgan and Mona Offshore Windfarms /015 (update on the metocean and floating LiDAR)
Date of Issue	07.06.22

1 Planned Activity

Metocean instrumentation and floating LiDAR instrumentation have been deployed within the boundary of the proposed Morgan (North) and Mona (South) Offshore Wind Farm Project sites in the Irish Sea.

The metocean instrumentation within the Mona and Morgan Project site were deployed successfully in November 2021. It should be noted that instrumentation is deployed on the seabed some distance from the surface buoy, so marine users are requested to maintain the safe clearance distances as outlined in Section 3 below. Further details on the mooring design are available in Section 7. Metocean instrumentation at the Mona (South) location has now been successfully redeployed and will remain on location until planned recovery approximately November 2022. **Unplanned works are scheduled to take place at both metocean locations during the w/c 13 June; these operations should require no more than one day at each location.**

The floating LiDAR instrumentation were successfully deployed at the Mona Project site and the Morgan project site in March 2022. It should be noted that instrumentation is deployed on the seabed some distance from the surface buoy, so marine users are requested to maintain the safe clearance distances as outlined in Section 3 below. Further details on the mooring design are available in Section 7. **The AIS on the Mona floating LiDAR is not currently operating, but all other safety measures remain active and functional; repair of this fault is planned for the w/c 13 June.**



In addition to the currently deployed instrumentation specified above, an additional mooring is also planned for deployment at the Morgan location only. This device will collect supplementary metocean data to support the proposed wind farm projects. Instrumentation will be deployed on the seabed some distance from the surface buoy, so marine users are requested to maintain the safe clearance distances as outlined in Section 3 below. The appearance and mooring design of this system will be in line with the floating LiDAR instrumentation outlined in more detail below. **Deployment is planned as soon as equipment is prepared, at the earliest opportunity after 13 June.**

All equipment will be maintained in position via appropriate mooring systems and will gather metocean data to inform the proposed Project. Details of the devices and relevant Aids to navigation are provided below.

The above mentioned works are all planned for the w/c 13 June or the earliest opportunity thereafter and will be carried out by the vessel Forth Joustler. Completion of all works is expected to take approximately 4 days.

Floating LiDAR instrumentation	Metocean instrumentation
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Morgan Name: Fugro Buoy WS188 MMSI: 992351368	Mona Name: Fugro Buoy WS187 MMSI: 992351369	Morgan Name: Morgan 01 MMSI: 992351367	Mona Name: Mona 01 MMSI: 992351366
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<p>Yellow 'X' shaped topmark Yellow in colour</p> <p>Fl (5) Y 20s light (3.5nm range)</p> <p>Flash rate not exceeding 20 per minute</p> <div style="text-align: center;">  </div>	<div style="text-align: center;">  </div> <p>Yellow 'X' shaped topmark Yellow in colour</p> <p>Fl (5) Y 20s light (3.5nm range)</p> <p>Flash rate not exceeding 20 per minute</p>
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2 Geographic co-ordinates and chart of survey area

All positions quoted in WGS84: latitude /longitude (in degrees decimal minutes)

Area	Floating LiDAR anchor	Metocean instrumentation	Metocean marker buoy anchor	Additional Measurements
Morgan (North)	53° 59.5211' N 3° 59.4018' W	53° 59.6537' N 3° 59.8323' W	53° 59.7108' N 3° 59.7368' W	53° 59.913' N 004° 00.025' W
Mona (South)	53° 40.0799' N 3° 53.444' W	53° 40.268' N 3° 53.764' W	53° 40.225' N 3° 53.837' W	-

3 Safe clearances, navigation safety features and safety notes for mariners

All vessels are requested to maintain a safe distance (500m) from the maintenance vessels (Forth Jouster) at all times. All vessels are requested to maintain a safe distance (400m) from the deployed monitoring equipment at all times.

4 Outline programme of works

Deployment (both Mona and Morgan Project sites)

Floating LiDAR instrumentation	Metocean instrumentation
Estimated Deployment Date: <i>Complete</i>	Estimated Deployment Date Morgan: <i>Complete</i> Estimated Deployment Date Mona: <i>Complete</i>

Operation (both Mona and Morgan Project sites)

Floating LiDAR instrumentation	Metocean instrumentation
Start: March 2022 End: Q1 2024	Start: November 2021 End: October/ November 2022

Maintenance schedule (both Mona and Morgan Project sites)

Floating LiDAR instrumentation	Metocean instrumentation
June 2022 (unscheduled work at both Morgan and Mona locations) October 2022 (scheduled service visit)	June 2022 (unplanned maintenance of instrumentation at both Morgan and Mona locations) August 2022 (scheduled service visit)

5 Vessel details

Vessel Name:	Forth Jouster
Vessel Type / LOA(m):	Multi-role survey vessel / 26.00 m
VHF Call Sign:	2BME4
MMSI:	235067372
Vessel Operator Telephone:	01592 872939



6 Project Contact Details

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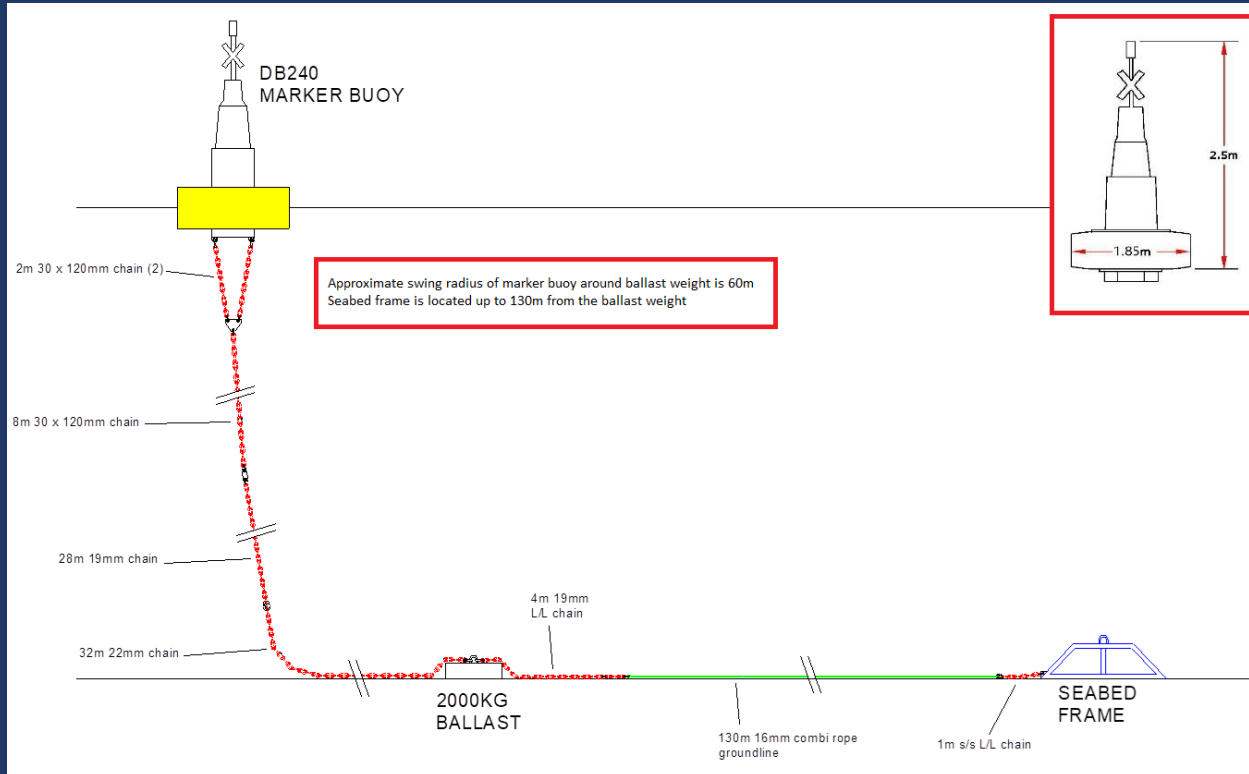
Email:

Yellow1-2CFLO@marinespace.co.uk

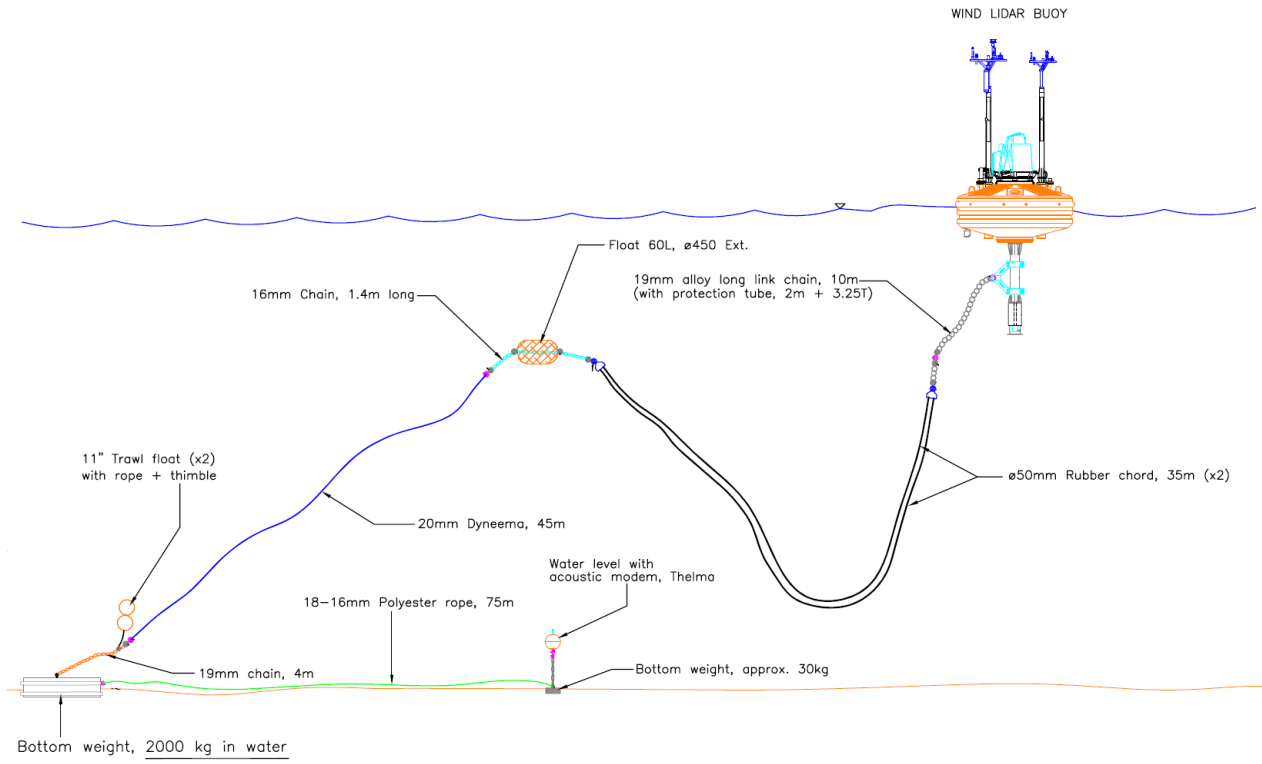
Telephone: +44 781 764 4284

7 Equipment set up

Metocean instrumentation:

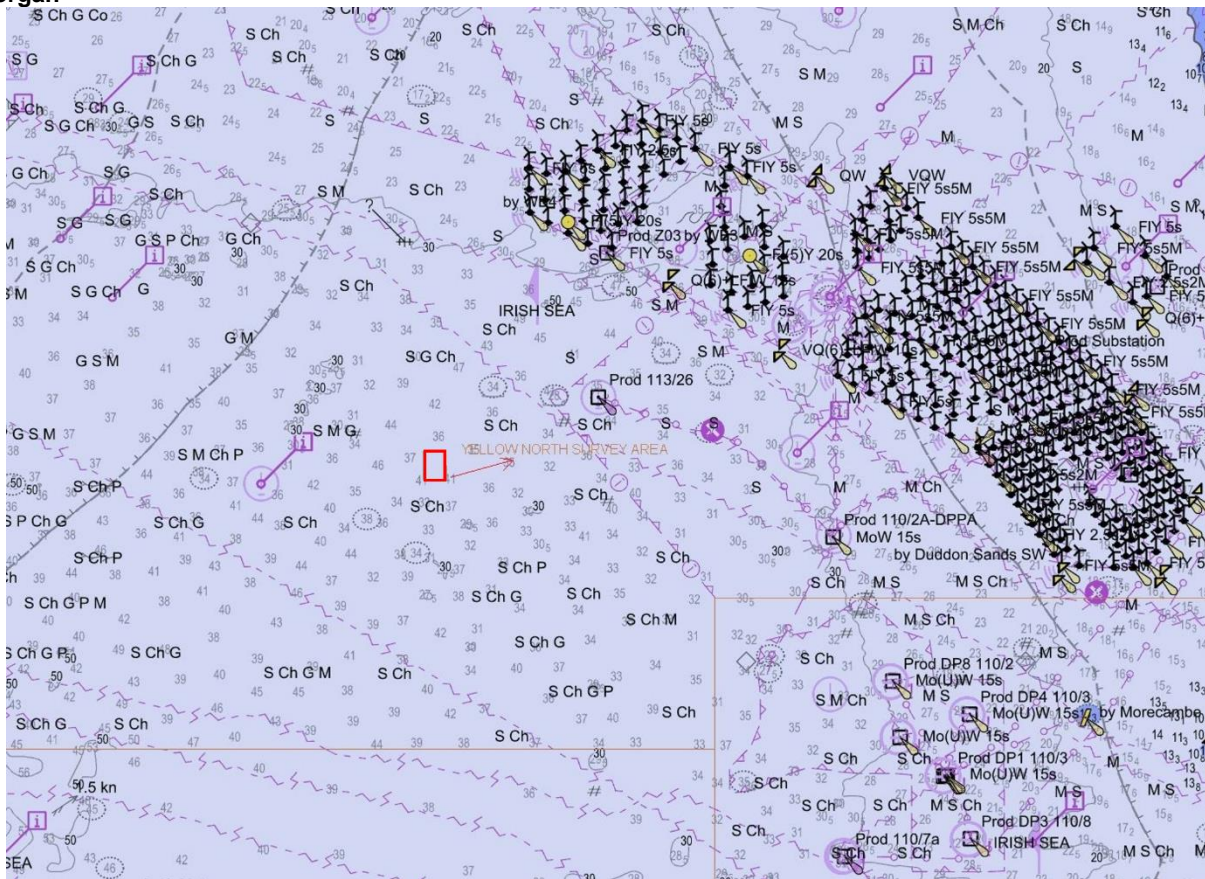


Floating LiDAR instrumentation:



8 Chart of metocean and floating LIDAR instrumentation location

Morgan



Mona

