



Notice to Mariners

Site Investigations – Floating LiDAR Deployment & Metocean Survey Campaign – August 2024

Caledonia Offshore Wind Farm

Issue date	26/08/2024
Version	13
Activity	Deployment of two floating LiDAR buoys in the Moray Firth for the acquisition of Wind and Metocean Data for a period of 24 months – COWF-SWLB080 broken free from its moorings and awaiting recovery

Revision History

Version	Issue Date	Status	Updates
1	25/05/2023	Issue	
2	01/06/2023	Update	Amendment to deployment date
3	06/06/2023	Update	Confirmation of as- deployed coordinates
4	05/12/2023	Update	Temporary replacement of COWF-SWLB080 with light beacon buoy during repairs.
5	18/12/2023	Update	COWF-SWLB080 reinstated
6	23/02/2024	Update	Temporary replacement of COWF-SWLB075 with light beacon buoy during repairs.
7	26/02/2024	Update	COWF-SWLB075 reinstated
8	04/03/2024	Update	COWF-SWLB075 UNLIT
9	02/05/2024	Update	Temporary replacement of COWF-SWLB075 and COWF-SWLB080 with light beacon buoy during maintenance
10	09/05/2024	Update	COWF-SWLB075 and COWF-SWLB080 reinstated
11	29/05/2024	Update	COWF-SWLB080 repositioning
12	04/06/2024	Update	COWF-SWLB080 in new position
13	26/08/2024	Update	COWF-SWLB080 broken free from mooring system.


2. Works Conducted

2.1 Locations

Buoy	AToN Name	Latitude (WGS84 DDM)	Longitude (WGS84 DDM)
Primary (NEW)	COWF-SWLB080	58° 7.426' N	02° 28.467' W
Primary (PREVIOUS)	COWF-SWLB080	58° 15.930' N	02° 26.594' W
Secondary	COWF-SWLB075	58° 15.996' N	02° 36.302' W

Note: Primary (New) Buoy (COWF-SWLB080) is currently off position following broken mooring. COWF-SWLB080 AIS is active and is being monitored by the Mar Fortune pending recovery once conditions allow.

2.2 Buoy Specification

High level parameters		 <p>Figure 2: Seawatch Wind Lidar Buoy 3.0</p>
Model	Seawatch Wind LiDAR Buoy 3.0	
Buoy Dimensions	Diameter: 2.9 m Height (above waterline): 4.5 m Full height (above & below waterline): 7.4 m Approximate weight: 2500 kg	
Buoy Colour & Shape	Buoy colour: Yellow Buoy shape: See Figure 2.	
Mooring Arrangement	110 m mooring chain, 3 – 4.5 tonne weight Drift radius: 110 – 135m	
Lighting & Markings	Standard SL-07 yellow flash light Range: 1 - 5nm Height of light (above waterline): 3.85 m Topmark: St Andrews Cross (yellow)	
Positioning System	Iridium modem with GPS, with back-up AIS: Chronos Wifi & 4G unit - Sierra RV55	
Power Source:	Battery; 4 x 62 Ah lead acid battery 4 x 272Ah lithium battery	

Marine users are advised to maintain a safe clearance distance of 500m from the buoys.

3. Vessel Information

Monitoring/guarding/recovery of the buoy is being undertaken by the Mar Fortune.

Vessel Name	Mar Fortune
Vessel Type	Utility Vessel
MMSI Number	257011630
IMO Number	9267273
Operating Company	Amar
Vessel Call Sign	LEZI
Vessel Mobile Phone Number	+47 412 39 375

Doc. No.: UKCAL-OW-MET-MAR-NTM-00002

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Vessel Sat. Phone	+47 674 83 993
Email	captain.fortune@amar.no

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4. Developer Contact Details

Enquiries regarding the contents of this Notice to Mariners should be directed to the Caledonia OWF team (contact details below).

For fisheries related matters, please contact the Fisheries Liaison Officer, using the contact details provided below:

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Appendix 1 - Coordinates

WGS84 (DD)		WGS84 (DMM)		UTM30	
Latitude	Longitude	Latitude	Longitude	Easting	Northing
Project Boundary					
58.134654	-2.569732	58° 8.080' N	02° 34.184' W	525337.13	6443782.58
58.219111	-2.571085	58° 13.147' N	02° 34.265' W	525197.67	6453185.05
58.282743	-2.673439	58° 16.965' N	02° 40.407' W	519150.3	6460235.99
58.339026	-2.708013	58° 20.342' N	02° 42.48' W	517095.65	6466493.05
58.381835	-2.627196	58° 22.91' N	02° 37.632' W	521801.03	6471282.74
58.176644	-2.283641	58° 10.598' N	02° 17.018' W	542134.17	6448600.53
57.998343	-2.431967	58° 59.9' N	02° 25.918' W	533577.3	6428666.86