

Morven Offshore Wind Farm

Notice to Mariners

NtM Number	Morven Windfarms/002 v02 Floating LiDAR system (FLS)
Date of Issue	18/10/2022

1 Planned Activity

Metocean instrumentation and a floating LiDAR system (FLS) are planned for deployment within the boundary of the proposed Morven Offshore Wind Farm Project site in the North Sea.

All instrumentation is planned for deployment within the Morven Project site in October 2022. A total of 2 metocean instrumentation moorings and one FLS mooring are to be deployed at each of two deployment locations within the Project site (known as Morven North and Morven South).

The metocean moorings will comprise one directional waverider buoy (DWR) which will be visible on the water surface, moored to the seabed through a combination of rope and rubber cords. The second metocean mooring will be a subsurface 'stumpy' mooring which will not be visible at the water surface but will float approximately 5 m above the seabed. The FLS mooring will comprise a surface visible buoy moored to the seabed through a combination of rope and chain via a single point mooring.

Marine users are requested to maintain the safe clearance distances as outlined in Section 3 below throughout the deployment period.

All equipment will be maintained in position via appropriate mooring systems and will gather metocean data to inform the proposed Project. Details of the surface present devices and relevant aids to navigation are provided below. Mooring diagrams for all instrumentation are provided in Section 7.

FLS instrumentation

Morven North Name: Morven Lidar North MMSI: 992351393	Morven South Name: Morven Lidar South MMSI: 992351394
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Metocean DWR mooring



Yellow 'X' shaped topmark

Yellow in colour

FI (5) Y 20s light (3.0 nm range)



Flash rate not exceeding 20 per minute



Yellow in colour

FI (5) Y 20s light (4.0 nm range)

Flash rate not exceeding 20 per minute

2	Geographic co-ordinates and chart of survey area All positions quoted in WGS84: latitude /longitude (in degrees decimal minutes)			
	Area	FLS anchor weight	DWR anchor weight	Metocean subsurface mooring anchor weight
	Morven North	56°45.3546' N 001°00.2398'W	56°45.6214' N 001°00.6276'W	56°45.5284' N 001°00.4930'W
	Morven South	56°34.2602' N 000°45.4042'W	56°33.9883' N 000°45.0082'W	56°34.0866' N 000°45.1514'W
3	Safe clearances, navigation safety features and safety notes for mariners			
	All vessels are requested to maintain a safe distance (500m) from any maintenance vessels at all times. All vessels are requested to maintain a safe distance (400m) from the deployed monitoring equipment as shown in Section 2 at all times.			
4	Outline programme of works			
	Deployment			
	FLS instrumentation		Metocean instrumentation	
	Estimated Deployment Date: 19 th October 2022		Estimated Deployment Date: 19 th October 2022	
	Operation in Morven Area			
	FLS instrumentation		Metocean instrumentation	
	Start: October 2022 End: October 2024		Start: October 2022 End: October 2023	
	Maintenance schedule			
	FLS instrumentation		Metocean instrumentation	
	April 2023 October 2023 April 2024		January 2023 April 2023 July 2023	
5	Vessel details			
	Vessel Name:	Isle of Jura		
	Vessel Type / LOA(m):	Offshore service vessel		
	VHF Call Sign:	MFFY6		
	MMSI:	232021966		
	Vessel Operator Telephone:	+44 (0) 7934 358881		
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6 Project Contact Details

Company Fisheries Liaison Officers:

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7 Mooring diagrams

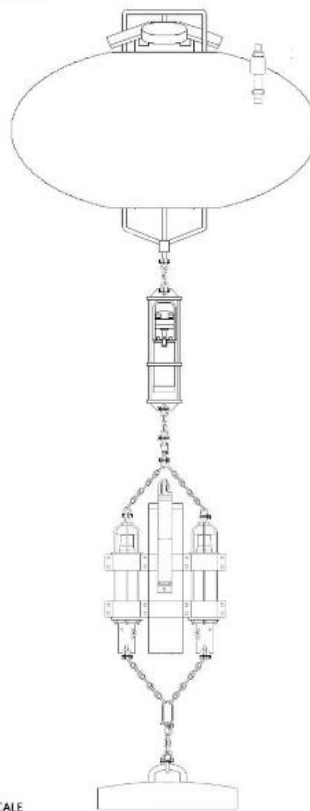
Metocean DWR mooring:

Swing : 126 Length : 143.44m

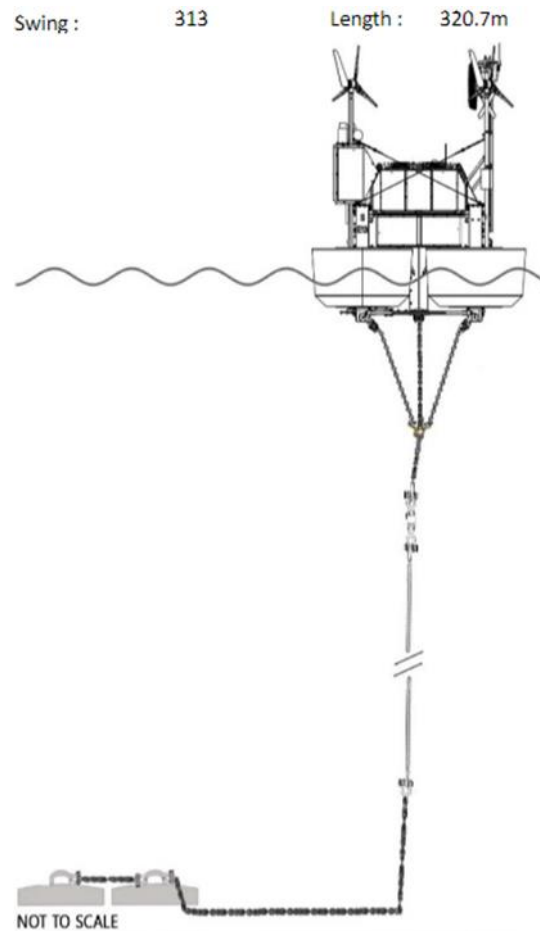


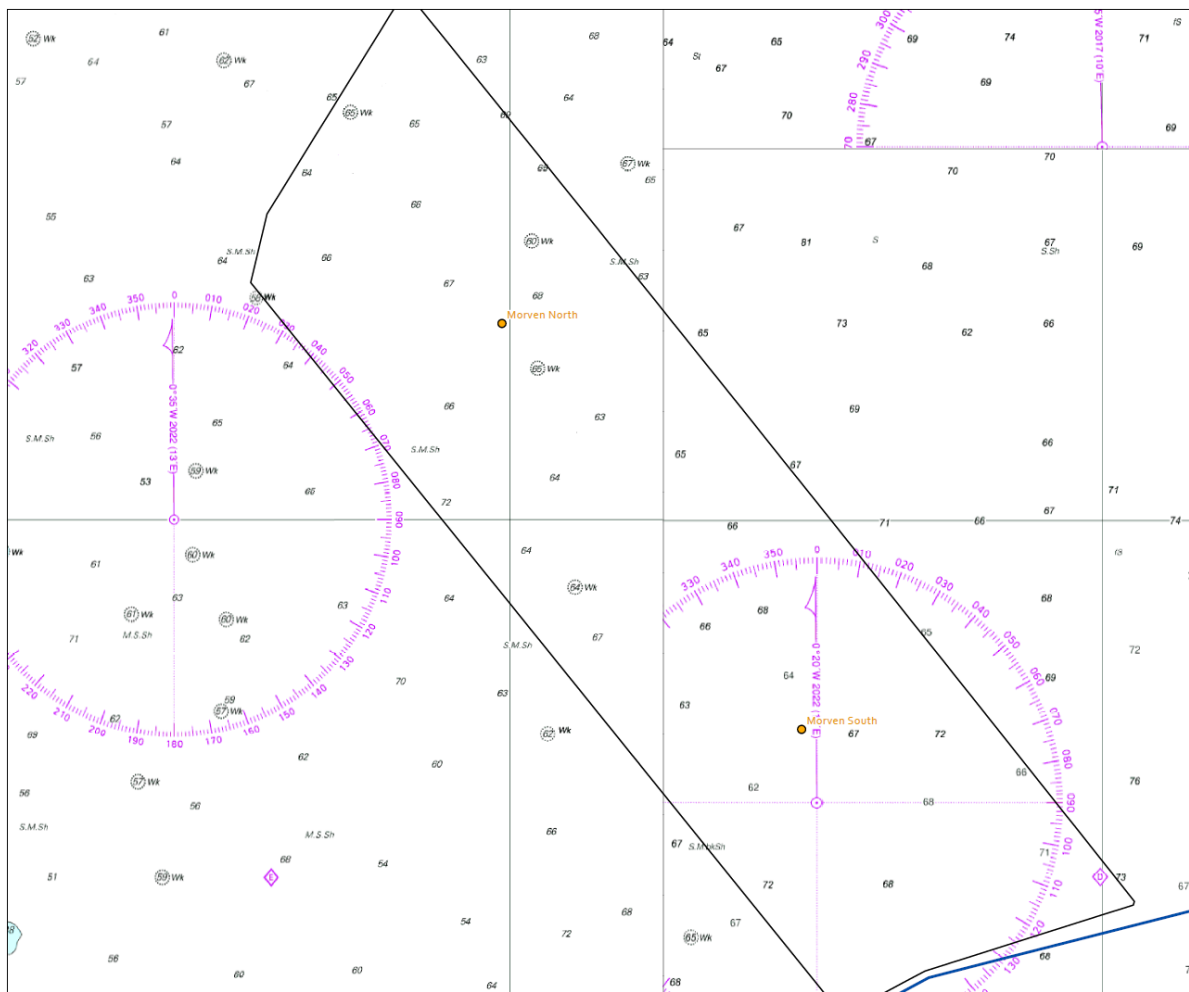
Metocean subsurface mooring:

Length : 4.6m



FLS mooring:





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Morven - MetOcean Buoy Proposed Deployment Locations



- Legend**
- MetOcean
 - Buoy Planned Deployment Locations
 - Morven Lease Area
 - Scotland
 - Adjacent Waters Limit

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Scale at A3 page size: **1:350,000**

metres

0 5,000 10,000 15,000 20,000

GCRS: GCS WGS 1984
Geoidetic Datum: WGS 1984
PCRS: WGS 1984 Mercator
Projection: Mercator

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