

## NOTICE TO MARINERS: UNMANNED SURFACE VESSEL (USV)

ISSUE DATE: 10.06.2021

**Activity:** Operations of a remotely piloted Uncrewed Surface Vessel (USV) are planned off the North Wales Coast

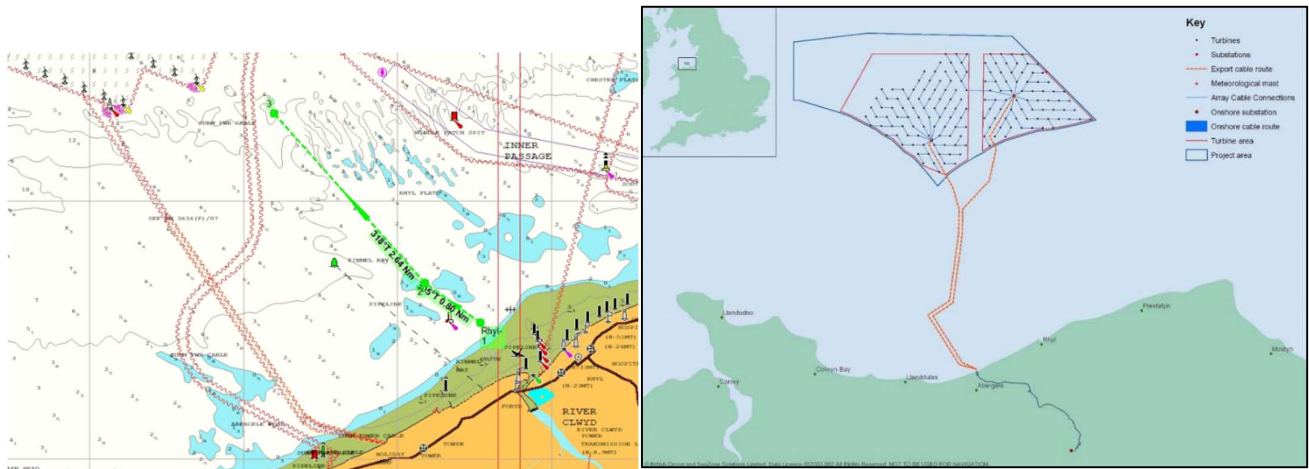
**Dates:** Monday 26<sup>th</sup> of July for up to 7 days until 2<sup>nd</sup> August 2021, subject to weather conditions

The USV will be mobilised from Rhyl Harbour, Denbighshire, where it will transit to/from the area of operation. During the operation the USV will be performing a Hydrographic Survey of the area shown below.

A support RIB “Maverick” will escort the USV throughout the operations from the harbour entrance and will then continue transiting towards the survey site until the area is safe & clear of hazards.

It is requested that other vessels remain clear, so far as is practicable, during transit & survey operations.

Although the vessel is uncrewed, it is managed throughout the 24hour operation piloted remotely using 360 degree cameras and other navigational aids.



Departure & Arrival Route.

Survey Route & Location offshore

### Survey Routes

Route 1		Route 2	
1	53° 18'.152N 003° 34'.607W	1	53° 23'.734N 003° 35'.569W
2	53° 18'.927N 003° 36'.835W	2	53° 26'.044N 003° 37'.458W
3	53° 19'.462N 003° 37'.142W		
4	53° 19'.901N 003° 36'.782W		
5	53° 20'.484N 003° 35'.821W		
6	53° 22'.327N 003° 35'.874W		
7	53° 23'.739N 003° 35'.541W		
8	53° 24'.552N 003° 34'.234W		
9	53° 25'.125N 003° 33'.807W		

## Vessel Details:

- **Name:** X-03 UNCREWED
- **MMSI:** 232019976
- **Length:** 4.5m
- **Beam:** 2.2m
- **Speed:** 3.5kts
- **Draught:** 1.0m
- **Tonnage:** 750kg



The USV sends real time images and situational awareness data over satellite to a team of operators keeping watch and controlling the vessel remotely 24/7.

**Safety Precautions:** The USV is equipped with the following to make it conspicuous to other marine traffic:

- AIS
- Navigation Lights & Sound Signal
- Active Radar Reflector
- Superstructure Painted Yellow

Seafarers are asked to avoid contact with the vessel and be aware of the operational area during this period.

## XOCEAN - Emergency Contact Details:

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