

NOTICE TO MARINERS: UNMANNED SURFACE VESSEL (USV)

ISSUE DATE: 28.07.2021

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

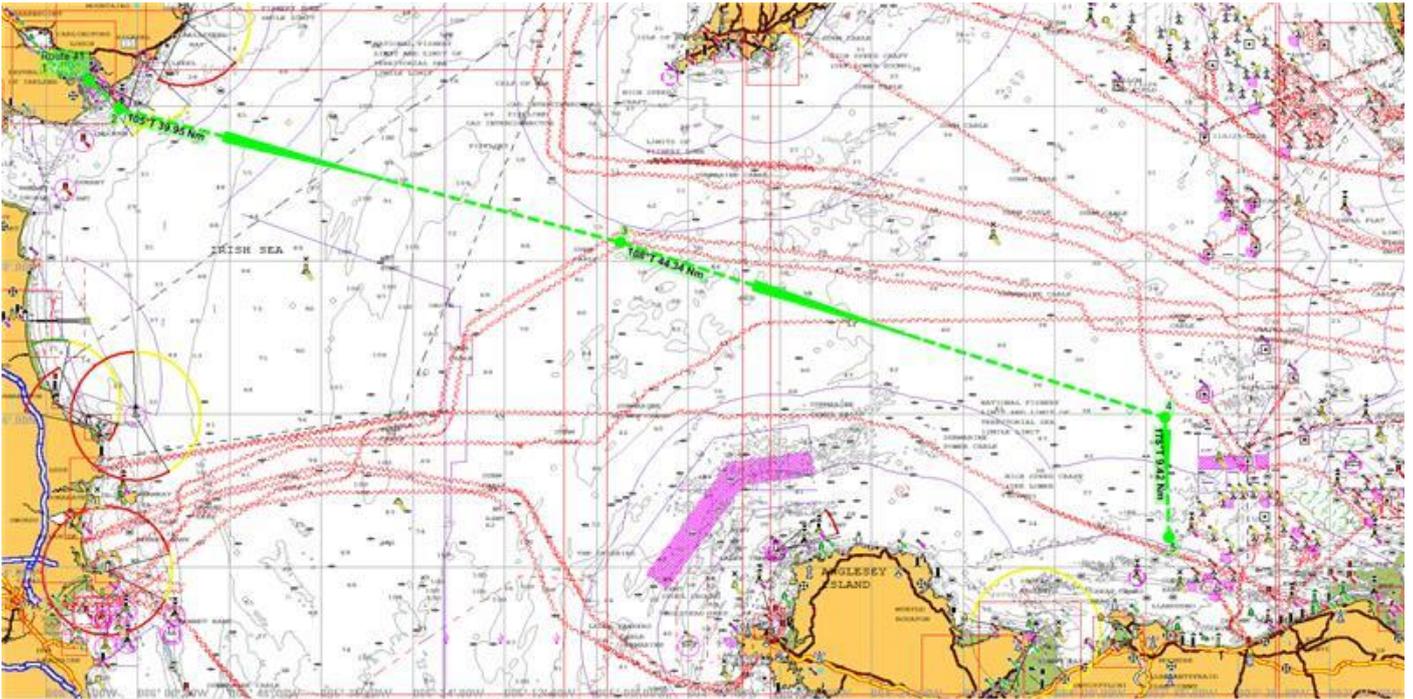
Dates: Thursday 29th of July for up to 7 days until 6th August 2021, subject to weather conditions

The USV will be mobilised from Carlingford, Ireland, where it will transit to the area of operation. During the operation the USV will be performing a Hydrographic Survey of the GyM export cables and each of the four sides of the two offshore sub-stations as shown below. The main port for arrival and departure during operations will be Rhyl, Denbighshire

A support vessel 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.

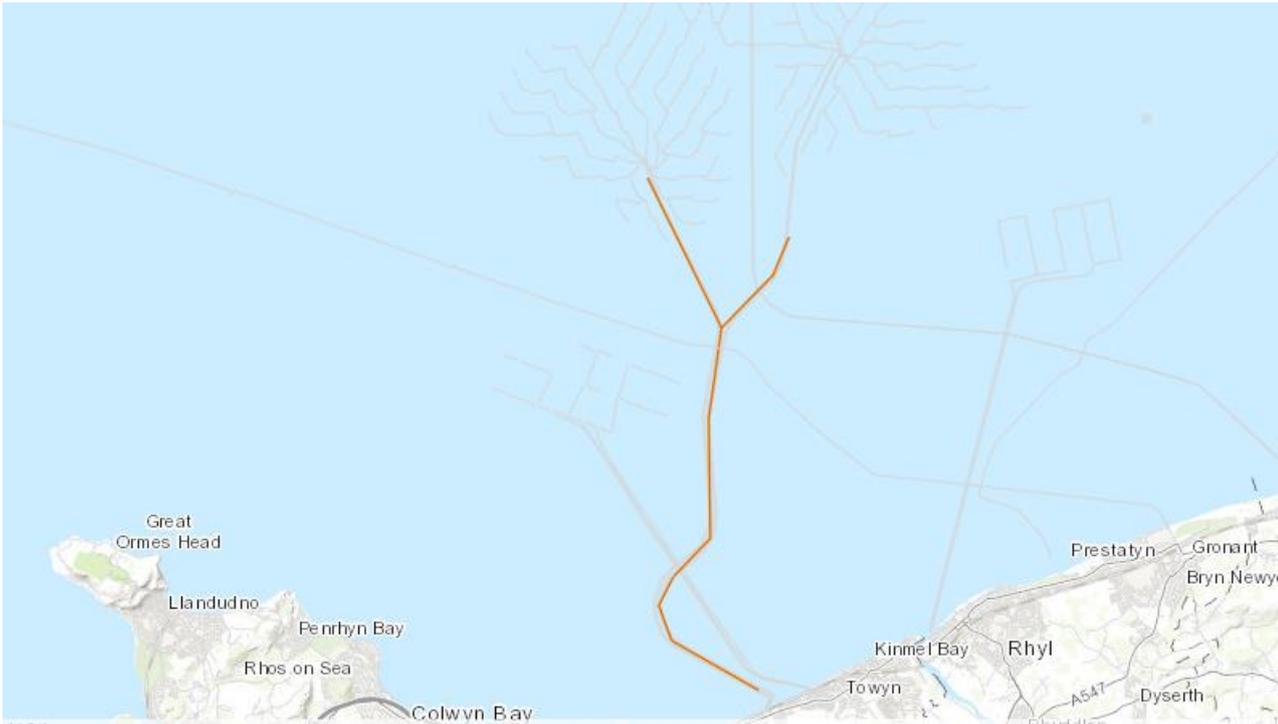
Although the vessel is uncrewed, it is managed throughout the 24hour operation piloted remotely using 360 degree cameras and other navigational aids.



Transit route from Carlingford, Ireland



Departure & Arrival Route Rhyll – During Survey Operations



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-04 UNCREWED
- **MMSI:** 232023832
- **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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