

Application for a Band 1 Marine Licence

Project description

Project name

Llyr Floating Offshore Wind Project

Please provide a brief description of the proposed project, including location.

Floventis Energy is developing a proposal for two 100 megawatt (MW) floating offshore wind developments (200 MW) in total in the Celtic Sea, known as Llyr 1 and Llyr 2. The proposed Project is a floating offshore wind development within Welsh Waters, offshore from the Pembrokeshire coastline. At its closest point, the boundary of the proposed Project is approximately 38 km from the Lundy Island shore and 21 km from the Welsh coastline.

Grab samples will be taken of the seabed to provide detail on the sediment itself and the infauna. The density of the grab samples will not exceed 4 cubic metres. The density of grab samples will not exceed 50 samples within any one hectare.

Applicant details

To whom the licence will be issued. This must be a legal entity such as an individual, registered company/ charity or public body.

Title	Mr
Full name	Marc Murray
Company or trading name	Llyr Floating Wind Limited
Company Registration Number (if applicable)	SC608546
Name of contact or individual (if different)	Marc Murray
Position in company	Projects Director
Address (provide registered company address if applicable)	The Boathouse, Silversands Hawkcraig Road Aberdour, Fife
Postcode	KY3 0TZ
Telephone number	07808706753
Email address	marc.murray@cierco.uk

Details of agent, contractor, vehicles and/or vessels used to carry out works

Does the applicant wish to be included in all correspondence?

Yes

Will the works require the use of vessels?

Yes

Will the works require the use of any vehicles?

Yes

Proposed project details

Licensable period

Determination of applications will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the requested licence expiry date you may be required to submit a new application. Including a contingency period within your original application does not impact on the licence fee.

Start date (DD/MM/YYYY) 01/07/2022

Requested licence expiry date (DD/MM/YYYY) 30/09/2022

Please detail the location of the proposed project.

This should be either Ordnance Survey National Grid Reference (i.e. SN 12345 67890) or Latitude and Longitude in decimal degrees to 4 decimal places (i.e. Lat 52.1234 Long -4.1234), defining the extent of the project. Please specify which coordinate system has been used and if using GIS co-ordinates, specify which projection has been used.

National Grid Reference:

SR 88602 99261
SR 86973 98881
SR 86115 98802
SR 85184 98963
SR 84792 98969
SR 84147 99097
SR 83563 99401
SR 82364 99451
SR 80669 97307
SR 80052 94302
SR 79526 93384
SR 68913 84847
SR 67333 80705
SR 77707 70255
SR 78331 57782
SR 57843 58696
SR 52407 73011
SR 65458 80492
SR 65345 82086
SR 65340 82076
SR 67655 87030
SR 77839 95185
SR 78431 98103
SR 78905 99014
SM 82881 03814
SM 83493 04773
SM 83964 05116
SM 89198 03875

Co-ordinates table included within Appendix A of the Protected Species and Protected Sites risk assessment document.

Method statement

Are the works within a sensitive area or one of the following activities: boreholes, replacement piles or beach management?

No

Method statement

Please give a brief method statement outlining the proposed project

The proposed Project includes sediment grab samples. Approximately 62 sample stations of 0.1m² will be taken. The samples will be taken from a 5km² grid within the windfarm area, and every 5km along the cable route.

Grab samples will not be collected on hard substrates or at locations with sensitive habitats - to ensure this, grab sampling will be preceded with video/camera drops. Prior to sampling at a selected location, a video/photo of the sedimentary substrate will be taken to assess if a sensitive habitat is present. Where appropriate (i.e. no sensitive habitat present), a grab sample will be collected. The video/photo data taken will be complementary to the assessment and will allow biotope classification to include consideration of infaunal components. A sediment sub-sample will also be retained from the grab for Particle Size Analysis (PSA) with the remainder sieved for infaunal analysis.

For further information see section 2 of the Protected Species and Protected Sites Risk Assessment.

Please state the measures to be taken to minimise risk to the marine environment

Care will be taken during the location selection to ensure that the sample site is free from obstructions and prior to the grab deployment the sampling area will be ground truthed using a drop-down camera (DDV). This may form part of the habitat assessment survey (below).

Environment Habitat Assessment survey:

- Desktop review and creation of sampling strategy
- Benthic survey sampling locations to be identified based upon the geophysical survey data
- Benthic imagery and benthic sampling
- Environmental marine scientists will be present during the benthic survey to carry out environmental habitat assessment to carry out visual and physical confirmation of biotopes and seabed characterisation

Any potentially sensitive habitats identified during the survey will be investigated using high-resolution video or stills photography and the extent of any habitats or features identified will be mapped. All sediment types identified by the geophysical data acquisition will be ground-truthed during the habitat assessment survey. In addition, any potential features of cultural/heritage importance (e.g. wrecks) will be investigated.

The geophysical data collected during the survey will help inform the areas of interest where benthic samples should be undertaken (identified by an onboard environmental scientist and geophysicist). However, as a base case minimum, it should be assumed that there will be a sample location every 5 km along the identified cable zone and 1 every 5km² within the identified seabed lease area.

There is a known seagrass bed (*Zostera noltii*) in the intertidal area of West Angle Bay, as well as potential saltmarsh habitat. When surveying this area the survey will be adapted to take into consideration the guidance specified within NRW Guidance note GN030f.

In addition key elements from the NRW guidance documents will be incorporated into the final survey specification, including:

- Natural Resources Wales. (2019). GN030d Benthic habitat assessment guidance for marine developments and activities: A guide to characterising and monitoring Sabellaria reefs. Natural Resources Wales, Bangor; and
- Natural Resources Wales. 2019. GN030c Benthic habitat assessment guidance for marine developments and activities: A guide to characterising and monitoring horse mussel Modiolus modiolus reefs. Natural Resources Wales, Bangor.

Specific mitigation measures to minimise risk to the marine environment during survey operations will include:

- Survey vessels will be equipped with Spill kits according to their Ship Oil Pollution Emergency Plan (SOPEP). Spill preventive measures shall be followed while handling or transferring substances that poses a health, safety or environmental hazard (e.g., refuelling and/or servicing equipment on site);
- All equipment, waste and/or debris used or deployed during the survey will be removed on completion of the works
- To minimise the introduction of Non native species all equipment and materials used during the survey will be in a clean condition during mobilisation and before arrival on site. In addition the equipment and materials used during the survey will undergo a cleaning procedure before removal from site.
- All vessel(s) working areas shall be kept clean and clear of trip hazards and flammable materials.
- All waste materials shall be disposed of properly and the survey contractor will be responsible for taking the necessary steps to prevent pollution and minimize the generation of waste. The survey contractor will maintain and implement a waste management plan.
- A dedicated person for watching and monitoring vessel traffic will be present on the bridge at all times.
- A dropped objects procedure will be implemented and will include reporting and notification procedures to comply with statutory requirements

Please state the measures to be taken to prevent undue interference to others

Llyr Floating Wind Limited have contacted the Defence Infrastructure Organisation (DIO), informing them of the anticipated surveys to initiate consultation dialogue. The survey corridor will pass through the Castlemartin Sea Danger Area. The appointed Contractor will be required to design survey operations to minimise disruption to Castlemartin Firing Range.

A project representative will engage with and notify the fishermen in the area before the survey commences. Whilst surveying, the vessel crew and survey team will, at all times, be mindful of any fishing interests, particularly fixed gear and where appropriate, put in place measures to minimise and/or avoid interaction.

Local notification will be issued to marine users, including HM Coastguard, fisherman's organisations, neighbouring port authorities and other local stakeholders to ensure that they are made fully aware of the activity.

Please state the measures to be taken to maintain navigational safety, including marking and lighting of works

The survey team, vessel, crew and equipment will comply with all relevant Health and Safety Legislation.

Materials of the project

Description of materials to be deposited seaward of Mean High Water Springs (MHWS) (Please tick all that apply)

Other (please provide a description of materials):
N/A

Delivery method of materials to site

If sea delivery, details of vessels to be used with a chart of proposed route and transhipment area is required. If delivery is by vehicle, the details about the proposed access route are required. Please indicate if you are providing details in a separate file.

N/A

Will the works involve removals seaward of MHWS?

Yes

Description of materials to be removed seaward of MHWS (Please tick all that apply)

Silt

Stone/rock

Gravel

Sand

Description of objects/materials to be removed seaward of MHWS, including quantities to be removed.

Approximately 62 grab samples will be taken of the seabed. Grab samples consist of 0.1m² of sediment. The locations of the grab samples are TBC.

The total sample volume across all samples will not exceed 4 cubic metres.

Additional information

Please provide the following:

You must include a suitably scaled extract of an Ordnance Survey Map or Admiralty Chart with location of project complete with north arrow and scale

You must include details of correspondence with MCA, Trinity House and The Crown Estate

You must include any pre application advice/correspondence with NRW

Correspondence with RCAHWW (B1 removals only)

Please upload these below

- File: DIO Email.pdf - [Download](#)
- File: Llŷr - Survey Area.pdf - [Download](#)
- File: Llŷr Protected Sites and Species Risk Assessment_D1.pdf - [Download](#)
- File: MCA email.pdf - [Download](#)
- File: Q22012_ Llŷr Geophysical surveys - Marine Licences and EPS licence.pdf - [Download](#)
- File: RCAHWW email.pdf - [Download](#)
- File: Seabed Survey Licence (SSL) application for the proposed Llŷr 1 and Llŷr 2 floating offshore wind projects.pdf - [Download](#)
- File: Trinity House email.pdf - [Download](#)

Please list below all supporting documents that have been submitted with this application.

1. Chart to show location of project
2. Protected Species and Sites Risk Assessment (method statement)
3. Email correspondence with Maritime and Coastguard Agency (MCA)
4. Email correspondence with Defence Infrastructure Organisation (DIO)
5. Email application to the Crown Estate for a SSL Licence
6. Email correspondence with the Royal Commission on the Ancient and Historical Monuments of Wales
7. Email correspondence with Trinity House
8. Previous email correspondence with NRW (Q22012)

Statutory powers

Does the applicant have statutory powers to consent any aspect of the project? e.g. coast protection authority, dredging powers, statutory undertakers

No

Public register

Is there any information contained within or provided in support of this application that you consider should NOT be included on the Public Register on the grounds that its disclosure:

	Yes	No
Would be contrary to the interest of National Security?		X
Would prejudice to an unreasonable degree you, or some other person's commercial interest or those of a third party?		X

Application fee

Please provide the method of payment

BACS

Reference number (not BACS remittance no.)
PRCAPPLYRF001

Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and supporting documentation is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information. This could invalidate any licence granted.

Name Marc Murray
Date 18 May 2022
Position in company Cierco

If you would like a copy of your completed form, please add your preferred email address below:

marc.murray@ciercoenergy.com