

Marine Renewable Energy Projects in the Territorial Sea and UK Controlled Waters Adjacent to Scotland

Marine (Scotland) Act 2010

IMPORTANT: Before completing this form, please read these notes carefully.

The following numbered paragraphs correspond to the questions on the application form and are intended to assist applicants in completing the form. These explanatory notes are specific to this application and so applicants are advised to read these in conjunction with the General Guidance document. If further clarification is needed please contact Marine Scotland Licensing Operations Team (MS-LOT) on 01224 295579 or email:

MS.MarineLicensing@scotland.gsi.gov.uk

Please refer to the General Guidance for information regarding payment methods.

Explanatory Notes

2. Applicant

The person, company or organisation making the application that will be named as the licensee on any licence issued.

3. Agent

Any person, company or organisation acting under contract (or other agreement) on behalf of any party listed in the answer to question 2, and having responsibility for the control, management or physical deposit of materials anywhere below the tidal limit of the mean high water springs (MHWS) (e.g. a consultancy company submitting the application or a contractor who will be carrying out the works.)

4. Duration of Project

Provide details of the proposed commencement and completion dates of the project. The start date will not normally be backdated, except in exceptional circumstances, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action. A licence is normally valid for 1 calendar year or the duration of the project (whichever is longer). After this period, it may be necessary for licence holders to re-apply for a further licence to continue any ongoing work (i.e. the project will be reviewed to establish whether original details are being adhered to). Although Marine Scotland Licensing Operations Team (MS-LOT) will aim to write to licence holders one month before the expiry date of a licence, it is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

5. Description and Cost of the Proposed Project

- (a) This estimate should only cover work taking place below the tidal level of MHWS and should take into consideration the cost of materials, labour fees etc.
- (b) Where the project is expected to take longer than 12 consecutive months, this description must detail which elements are to be undertaken in the first 12 months, with an outline of the schedule for each further 12 month period (the method of work should be described in the answer to question 7). In the event that MS-LOT must undertake a wider consultation on your application this description may be used as a basis for informing other bodies as to the nature of the proposed work.
- (c) Best describe the type of work proposed. Where the project involves a number of elements, please complete all appropriate boxes.

6. Location of Project

Include a list of the National Grid References (NGR) or latitude and longitude co-ordinates of the boundary points of the proposed project. In some cases, (e.g. the laying of cables) it may only be practicable to supply NGR or latitude and longitude co-ordinates for the start and end points.

NGR: Should consist of two letters followed by 10 digits (e.g. TL6320031700) where the first 5 digits are the eastings (read from the south west corner of an Ordnance Survey map) and the last 5 digits are northings.

Latitude & longitude: For positions read from charts of 1:25,000 scale or smaller, the format should be, e.g. 55°55.55'N 222.22'W. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the datum should be explicitly marked, e.g. 55°55'44"N 2°22'11"W. For positions read from larger scale charts, e.g. 1:10,000, three decimal places of minutes should be used, e.g. 55°55.444'N 2°22.222'W.

It is important that the correct positions are included with this application, as any errors may result in the application being refused or delayed.

To supplement the information given in section 6, the following must be provided with the completed application form:

- a suitably scaled extract of an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which should be marked to indicate:
 - the full extent of the project in relation to the surrounding area;
 - either NGR or latitude and longitude co-ordinates defining the area of operation.
 - the level of MHWS;
 - any adjacent Special Area of Conservation (SAC), Special Protection Area (SPA), Site of Special Scientific Interest (SSSI), Ramsar or similar conservation area boundary.

These drawings/plans may be copied to others as part of the MS-LOT consultation process. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

7. Method Statement

Please provide a full method statement, including details of any temporary structures/deposits that may be required below MHWS during the project, the ultimate fate of the structure and material used in its construction. Details of temporary structures will be included in any licence issued.

Proposed measures to ensure the marine environment is adequately safeguarded during the project should also be described, as should those taken to minimise any interference with other uses of the sea or foreshore.

8. Permanent (and Temporary) Deposits

- (a) Complete the appropriate box(es) to indicate all materials to be deposited below MHWS. If you propose using types of materials for which a specific box is not provided, please describe the nature of such material in the box marked "Other".
- (b) If any materials to be placed below MHWS are to be brought to the site by sea, give details of the material (e.g. clean rock, average particle size) the vessels to be used,

A chart should also be provided showing the proposed vessel route to the project site and details of any transshipment areas (i.e. where material may be off-loaded to smaller vessels/barges for transport inshore).

If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (NGR or Lat/Long) should be added to section 6 of the form, and the period of time the site will be used must be provided. If issuing a licence, MS-LOT will include on the document details of any area that has been approved as a temporary deposit site

9. Producer/Contractor

The person, company or organisation whose activities produce the material intended for deposit in the sea (e.g. the dredging or excavation contractor).

10. Holder

The person, company or organisation that will be in possession of the waste prior to its deposit in the sea. This will include those providing temporary storage facilities or transporting the material to the vessel for conveyance to the sea disposal site etc.

11. Agent

Any person, company or organisation acting under contract (or other agreement) on behalf of any party listed in the answer to sections 1, 9 or 10 and having responsibility for the control, management or deposit anywhere below the tidal limit of MHWS (e.g. a consultancy company submitting the application or a contractor who will be carrying out the operations).

12. Duration of Dredging/Drilling Operation

Provide details of the proposed commencement and completion dates of the operations. The start date will not normally be backdated, except in exceptional circumstances, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action. A licence may be issued for up to 3 calendar years, although MS-LOT will aim to write to licence holders two months before the expiry date of a licence, it is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

13. Details of Dredging/Drilling and Disposal Vessel(s)

The name, operator and type of vessel, including the type of dredging/drilling plant (e.g. cutter-suction) should be entered. If vessel details are not available at the time of application, please indicate this on the form as these details will be required prior to licence issue.

14. Method Statement of Dredging/Drilling Operation

Provide a full method statement of the dredging/drilling operation. This should include details such as the rate of dredging/drilling, timing of the operation, order of the areas to be dredged/drilled and the precautions taken to protect both navigation and the environment.

15. Use of Explosives

Indicate whether explosives are to be used as part of the dredging operations. If yes, please indicate if a method statement has been provided with your application. If a method statement has been produced but is not available, please provide an explanation in the space provided.

16. Details of Areas to be Dredged/Drilled

This section requires data to be provided about the source area to be dredged and the type of material to be deposited.

Name of Area - An annotated chart/location plan (either at A3 or A4 format) of suitable scale (1:2,500 but no more than 1:10,000) should be provided, with each proposed dredge area marked and named. The chart/location plan should show the full extent of the project in relation to the surrounding area. These drawings/plans may be copied to others as part of MS-LOT consultation procedures. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

Co-ordinates - Include a list of the National Grid References (NGR) or latitude and longitude co-ordinates of the boundary points for the proposed dredge areas.

- **NGR:** Should consist of two letters followed by 10 digits (e.g. TL6320031700) where the first 5 digits are the eastings (read from the south west corner of an Ordnance Survey map) and the last 5 digits are northings.
- **Latitude & longitude:** For positions read from charts of 1:25,000 scale or smaller, the format should be, e.g. 55°55.55'N 222.22'W. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the datum should be explicitly marked, e.g. 55°55'44"N 2°22'11"W. For positions read from larger scale charts, e.g. 1:10,000, three decimal

places of minutes should be used, e.g. 55°55.444'N 2°22.222'W.

Nature of Dredge/Drill Area - provide a description of the type of area to be dredged/drilled (e.g. river bed, sea, harbour, approach channel, estuary)

17. Details of Material to be Dredged/Drilled

Information is required for each of the areas listed in the answer to section 16. The applicant should indicate the following:

A pre-dredge survey and sediment chemical analysis report will be required by MS-LOT prior to the issue of a sea disposal licence. Please contact MS-LOT for details in relation to specific projects. In addition to those samples analysed by the applicant, sediment sub-samples must be submitted to MS-LOT as check monitoring may be required.

Physical Composition of Material - indicate the approximate proportions (by volume) of the different types of dredged materials which are expected to be removed from each area.

For the purposes of this application the following descriptions should be used:

Average particle size (Based on the Wentworth Table)		
Description	Lower range	Upper range
Boulders	256 mm+	
Cobbles	64 mm	256 mm
Pebbles	4mm	64 mm
Granules	2 mm	4mm
Sand	62 microns	2mm
Silt and clay		62 microns

Depth of Material to be Removed - indicate the maximum depth (in metres) below the current seabed level, to which it is expected dredging is to be carried out.

Estimated Specific Gravity - indicate the specific gravity of the material to be disposed.

Quantity to be Dredged/Drilled per Year - the amount of material to be dredged (per year) from each area. Indicate unit of measure, either in-situ cubic metres or metric tonnes.

18. Dredged/Drilled Material: Additional Information

Contamination - information should be given regarding contamination in any of the areas to be dredged/drilled e.g. waste discharges, man-made rubbish or industrial activity in close proximity.

Type of dredger - indicate the type of dredging plant to be used within each area.

Beneficial uses – include any intended beneficial use of material (details to be provided in the BPEO).

19. Details of Dredged/Drilled Material Quality

The applicant is required to have representative sediment samples analysed at a laboratory of choice. This is liable to extend the time required to consider your application **as no licence will be issued without provision of this chemistry data**. As part of the application consideration process, an assessment will be made of the

chemical and physical characteristics of the material to be deposited at sea and its potential effects upon the marine environment.

As part of the licence conditions, you may be required to take representative samples of the dredged/drilled material during the dredging/sea disposal operations for analysis by MS-LOT. In such cases, samples should be taken at specified locations and depths and placed in containers which will be provided. The samples should then be returned to MS-LOT at the Marine Laboratory Aberdeen. This process enables the UK to fulfil its obligations under international conventions.

20. Best Practicable Environmental Option (BPEO) Assessment

Under Part 4, Section 27(2) of the Marine (Scotland) Act 2010 (there is no equivalent provision under the Marine and Coastal Access Act 2009), the Licensing Authority has an obligation to consider the availability of practical alternatives when considering applications involving disposal of material at sea. In order for Marine Scotland to thoroughly assess the available alternative options and reach a properly considered decision, all sea disposal licence applications must be supported by a detailed assessment of the alternative options - a Best Practicable Environmental Option (BPEO) assessment. This should include a statement setting out the reasons which have led to the conclusion that deposit of the materials at sea is the BPEO. **Sea disposal applications will not be considered unless they are accompanied by a BPEO assessment.** All options in the BPEO should be explored fully (as per the guidance documents) otherwise your form and BPEO are liable to be returned to you thereby delaying processing of the application.

21. Sea Disposal Site Details

Provide details of the proposed sea disposal site for the dredged material and, if necessary, any alternative sea disposal site(s) considered. In determining whether to issue a licence, MS-LOT will take into account any site nominated by the applicant. However, should this site be unsuitable, the nearest suitable disposal site for the dredged material will be identified. Should you wish to establish a new site, please provide details in a covering letter with your application and MS-LOT will contact you to discuss your proposal before your application is determined. The cost of any site investigations to identify any new sea disposal site will normally be the responsibility of the applicant.

22. Other Consents

Detail all consents required for the proposed project and indicate those that you have applied for or received. In all cases the applicant must provide the name and address of the nearest Local Planning Authority for the location of the project.

23. Statutory Consenting Powers

Please describe in the answer to this question what (if any) statutory responsibilities you (or your client) have to consent any aspect of the project.

24. Advertising and Consultation

- (a) Confirm whether the proposed project has been advertised, and if so how and where?
- (b) Have the public been invited to comment on the proposed project? If so to whom and what was the closing date?
- (c) Have any consultation meetings been held with the public? If so where and when?

25. Consultation with Conservation Bodies

Consenting Authorities have a duty to ensure marine projects will not have a significant adverse environmental impact, particularly upon designated conservation areas (e.g. SSSI, SAC, SPA, Ramsar sites etc). All details of

consultations with conservation bodies (e.g. SNH, JNCC) should be given, particularly where the applicant has statutory powers for consenting aspects of the project

In addition, guidance can be obtained from www.foodstandards.gov.uk/ with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

26. Designated Conservation Areas

Indicate whether the proposed project is located within or close to the boundaries of a conservation area such as a SAC, SPA, SSSI or Ramsar site (further information can be found on the SNH SiteLink webpage <http://gateway.snh.gov.uk/>).

27. Environmental Assessment

Under the Marine Works (EIA) Regulations 2007, there may be a requirement for certain projects to undergo an Environmental Impact Assessment (EIA) and produce an Environmental Statement (ES). If an EIA/ES is deemed necessary, MS-LOT cannot issue a marine Licence until the outcome of the EIA/ES has been determined. Please indicate whether any EIA has been carried out in respect of the proposed project, either under your own powers or as required by another authority. If such an assessment has been undertaken, please indicate if a copy has been provided with your application. If the statement/assessment has been completed but is not available, please provide an explanation in the space provided.

Additionally, please also give details regarding if and where a copy has been/is being made available for public inspection.

Other Considerations

Applicants should also be aware of the need to pay due regard to coastal and marine archaeological matters and attention is drawn to Historic Scotland's Operational Policy Paper HP6, "Conserving the Underwater Heritage". Please ensure that you have:

- completed **all** applicable sections of the application form;
- signed and dated the declaration;
- provided the correct relevant documents, charts, and continuation sheets (where necessary); and
- enclosed the correct payment (together with the remittance slip) or paid by means of BACS (if appropriate).

Otherwise your application may be delayed or returned to you.

Application for Marine Renewable Energy Projects in the Territorial Sea and UK Controlled Waters Adjacent to Scotland

(ML-003)

Marine (Scotland) Act 2010

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Part 4, Section 54 of the Marine (Scotland) Act 2010 and Section 101 of the Marine and Coastal Access Act 2009 all information contained within or provided in support of this application will be placed on the Public Register. There is no national security grounds for application information not going on the Register under the 2010 Act. Under the 2009 Act, application information goes on the Register unless the Secretary of State determines that it's disclosure in the Register would be contrary to the interests of national security.

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

- (a) would be contrary to the interests of national security; or YES NO
- (b) would adversely affect the confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? YES NO

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

1. Project Title and Payment Details

Please give a brief identifiable description, including the location, of the project.

Payment: Enclosed payment BACS **OR** Invoice

2. Applicant Details

[Redacted]
Title

Trading Title (if appropriate)

Address

Name of contact [Redacted]
(if different)

Position within Company [Redacted]
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No.

Email

3. Agent Details (if any)

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact
(if different)

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No.

Email

4. Duration of Project

Start date

Expected completion date

5. Description and Cost of the Proposed Project

(a) Estimated gross cost of the works proposed seawards of the tidal limit of MHWS

(b) Give a detailed description of the proposed schedule of work.

(c) Types of Work Proposed

General Marine Project (e.g. wave, tidal device, monopile turbine)

Scientific/Marine Survey (e.g. geotechnical, geophysical, waverider):

Moorings (e.g. private, commercial):

Dredging/Drilling Operations

6. Location of Project (including any temporary deposit locations)

This should include either National Grid References (NGR) or Latitude and Longitude co-ordinates defining the extent of the project.

7. Method Statement

--

8. Permanent (and Temporary) Deposits

(a) Quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS:

Type of Deposit	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Steel/Iron		Tonnes No. (if applicable)
Timber		m ³ /tonnes
Plastic/Synthetic		m ²
Concrete		m ³
Silt		m ³
Sand		m ³
Stone/Rock/Gravel		Size range (mm) Total m ³
Concrete bags/mattresses		No. Dimensions Total m ³
Cable		Length (m)

Other (please describe below):

(b) Method of delivery of material.
(see Guidance Notes)

--

If necessary, please continue on a separate sheet and tick this box

IF THE PROJECT INVOLVES DREDGING/DRILLING (AND DISPOSAL OF DREDGED MATERIALS AT SEA) THEN PLEASE COMPLETE THE FOLLOWING SECTIONS, OTHERWISE PROCEED TO SECTION 22

9. Dredging/Drilling Contractor/Producer Details

Title	Initials	Surname
Trading Title (if appropriate)		
Address		
Name of contact (if different)		
Position within Company ^[Redacted] (if appropriate)		
Telephone No. (inc. dialing code)		Fax No. (inc. dialing code)
Company Registration No.		Email

10. Holder

If the Holder is also the Applicant (shown at 2) tick the box and go to section 11

If the Holder is also the Producer (shown at 9) of the material tick the box and go to section 11

Title	Initials	Surname
Trading Title (if appropriate)		
Address		
Name of contact (if different)		
Position within Company (if appropriate)		
Telephone No. (inc. dialing code)		Fax No. (inc. dialing code)
Company Registration No.		Email

11. Agent

Title	Initials	Surname
Trading Title (if appropriate)		
Address		
Name of contact (if different)		

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No.

Email

If more than one 'Agent' please continue on a separate sheet and tick the box

12. Duration of Dredging/Drilling Operation

When is it proposed to begin the dredging/drilling operation?

When are dredging/drilling and disposal operations expected to be completed?

13. Details of Dredging/Drilling and Disposal Vessel(s)

	Name of Vessel and Operator	Type of Vessel
(a)		
(b)		
(c)		
(d)		

14. Method Statement for Dredging/Drilling Operation

15. Use of Explosives

Will any part of the dredging operation involve the use of explosives?

YES NO

If YES,

Has a method statement regarding the use of explosives been submitted with this application?

YES NO

If a method statement is not being submitted, please provide an explanation as to why.

--

16. Details of Areas to be Dredged/Drilled

Dredge/Drill Areas	Name of Area to be Dredged/Drilled	Co-ordinates	Nature of Dredged/Drilled Area
A			
B			
C			
D			
E			

If necessary please continue on a separate sheet and tick this box

17. Details of Material to be Dredged/Drilled

For each of the areas at rows A –E above (plus any listed separately), provide the following information:

Dredge/Drill Areas	Estimated Specific Gravity	Physical Composition of Material	Depth of Material to be Removed (metres)	Quantity to be Dredged/Drilled per Year (either in-situ m³ or metric tonnes)
A				
B				
C				
D				
E				

If necessary please continue on a separate sheet and tick this box

18. Dredged/Drilled Material: Additional Information

For each of the areas at rows A – E above (plus any listed separately), provide the following information:

Dredge/Drill Areas	Type of Contamination	Type of Dredger	Beneficial Uses
A			
B			
C			
D			
E			

If necessary please continue on a separate sheet and tick this box

19. Details of Dredged Material Quality

Has the dredged/drilled material been chemically analysed in the last 3 years? YES NO

Can the samples be made available if required? YES NO

If **NO**, when will they be available?

20. Best Practicable Environmental Option (BPEO) Assessment

Has an up to date BPEO assessment been included with your application? YES NO

21. Sea Disposal Site Details

Name of Disposal Site (or Oslo Code)	Co-ordinates of Disposal Site

22. Other Consents

Provide details below of all consents you have applied for or received.

Type of Consent	(Tick appropriate box)		Reference No.	Date of Issue of Consent
	Applied for	Not Applied for		
1. Local Planning Authority (LPA) (e.g. Town and Country Planning Act) Name and address of LPA for Location of proposed works:				
2. Land Owner e.g. The Crown Estate				
3. Local Port or Harbour Authority e.g. local work licence				
4. Scottish Environment Protection Agency (SEPA)				
5. Others				

23. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

24. Advertising and Consultation

Have these proposals been advertised to the public?

YES NO

If **YES**, how and where?

Have the public been invited to submit comments?

YES NO

If **YES**, to whom and by what closing date?

Have any consultation meetings with the public been arranged?

YES NO

If **YES**, where and when are these to be held?

25. Consultation with Conservation Bodies

Provide details of any consultation with Conservations Bodies, and, if appropriate, include copies of any correspondence with your application.

26. Designated Conservation Areas

Are any parts of the proposed project located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the project from the boundary of the nearest conservation area(s)

If appropriate, are any parts of the proposed dredging and/or deposit operations located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the operations from the boundary of the nearest conservation area(s)

27. Environmental Assessment

Has an Environmental Impact Assessment (EIA)/Environmental Statement (ES) been undertaken to support any application in respect of the project, your own statutory powers (if applicable) or any other reason?

YES NO

If **YES**, is a copy of the EIA/ES included with this application?

YES NO

If the EIA/ES has been undertaken but has not been included with this application, please provide an

explanation below.

Is the EIA/ES available for public inspection?

YES NO

If **YES**, at what locations:

Declaration

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

[Redacted]

Signature

Date

[Redacted]

Name in BLOCK LETTERS

Position within company
(if appropriate)

Please check carefully the information you have given and that all the enclosures (including copies) have been included.

Application Check List

1. Electronic Application

- Completed application form **x 1**
- Project drawings **x 1**
- Method Statement **x 1**
- Maps/Charts **x 1**
- Additional environmental information, eg. Photographs, Environmental Impact Assessment etc (if required) **x 1**
- Payment (signed cheque or BACS details)

2. Non-electronic Application

- Completed, signed application form **x 7**
- Project drawings **x 7**
- Method Statement **x 7**
- Maps/Charts **x 7**
- Additional information, eg. photographs, Environmental Impact Assessment etc (if required) **x 7 (dependent on size and relevance to consultees)**
- Payment (signed cheque or BACS details)



Cenos Offshore Windfarm Limited



Cenos Offshore Windfarm

Offshore Transmission

Assets Marine Licence

Supporting Information

ASSIGNMENT	A100907-S01
DOCUMENT	A-100907-S01-A-LETT-001
CLIENT	CEN001-FLO-CON-ENV-LET-0004



Aberdeen

www.xodusgroup.com

5th Floor Capitol Building
429-431 Union Street . Aberdeen
AB11 6DA . UK



REVISIONS & APPROVALS

This document has been prepared by Xodus Group exclusively for the benefit and use of Cenos Offshore Windfarm Limited. Xodus Group expressly disclaims any and all liability to third parties (parties or persons other than Cenos Offshore Windfarm Limited) which may be based on this document.

The information contained in this document is strictly confidential and intended only for the use of Cenos Offshore Windfarm Limited. This document shall not be reproduced, distributed, quoted or made available – in whole or in part – to any third party other than for the purpose for which it was originally produced without the prior written consent of Xodus Group.

The authenticity, completeness and accuracy of any information provided to Xodus Group in relation to this document has not been independently verified. No representation or warranty express or implied, is or will be made in relation to, and no responsibility or liability will be accepted by Xodus Group as to or in relation to, the accuracy or completeness of this document. Xodus Group expressly disclaims any and all liability which may be based on such information, errors therein or omissions therefrom.

1	31/01/25	Issued for Use	[Redacted]			Cenos
REV	DATE	DESCRIPTION	ISSUED	CHECKED	APPROVED	CLIENT

CENOS OFFSHORE WINDFARM TRANSMISSION ASSETS SUPPORTING INFORMATION

The Project will comprise of Floating Turbine Units (FTUs), each with a Wind Turbine Generator (WTG) and floating substructure, and all infrastructure required to transmit the power generated to shore. Primary offshore components of the Project will include:

- Up to 95 FTUs, each with a WTG and floating substructure, which will be anchored to the seabed to maintain station keeping within an allowable radius for each FTU within the Array Area;
- Up to two Offshore Substation Converter Platforms (OSCPs) within the Array Area, connected to the WTGs using dynamic subsea Alternating Current (AC) power cables (the Inter-Array Cables (IACs)). OSCP topsides will be located on bottom-fixed jacket foundations with 50 metre (m) spacing between jackets. OSCP topsides will be linked via bridge-link;
- Up to 350 km of IACs (including 280 km of buried, static cabling, and 70 km of dynamic cabling); and
- A cable bundle comprising two High Voltage Direct Current (HVDC) Export/Import Cables and a fibre optic cable, each with a maximum length of 230 km from the OSCP to Landfall at Longhaven.

The Project Area of the CenOS Offshore Windfarm comprises both the Array Area and the Export / Import Cable Corridor (EICC) and includes all offshore components seaward of mean high water springs (MHWS). The generating station (which is subject to Section 36 Consent and the Marine Licence Applications) comprises of the FTUs, anchored to the seabed, and the IACs within the Array Area. The transmission infrastructure includes the OSCP, and the Export/Import Cable located within the Array Area and the EICC. The transmission assets are the subject of this Marine Licence Application under the Marine and Coastal Access Act 2009 and the Marine (Scotland) Act 2010.

The onshore aspects for ongoing grid connection have already been consented through the NorthConnect HVDC Cable Planning Consent (Planning Application Reference Number APP/2015/1121 and APP/2018/1831). The onshore aspects are therefore not assessed as part of current consent applications, which relate solely to the Project (seaward of mean low water springs).

4. Duration of Project

Construction is expected to commence in 2030, with a 6-year construction phase running until 2036. The operational lifetime of the project is 35 years; therefore, the expected Project completion date is 2071 (noting that this does not include the decommissioning phase).

5. Description and Cost of Proposed Project

(b) Give a detailed description of the Proposed Schedule of Work

An overview of the indicative construction programme is provided below. A more detailed version of the construction schedule is included within **EIAR Vol. 2, Chapter 5: Project Description**. Further detail on the timing and sequence of activities are included in the EIAR topic-specific chapters.

Offshore construction is currently scheduled to commence in 2030 and may last up to 6 years. Construction works would typically be undertaken 24 hours a day, seven days a week offshore, dependent upon weather conditions, which will likely limit the majority of major construction works to seasonal campaigns. Durations for major works are subject to change, which may arise, for example, from weather or site conditions. Furthermore, specific details on installation will vary depending on the technologies adopted and may change due to improvements in both the technology and wider supply chain.

(c) Types of work proposed. Moorings (e.g. private, commercial)

The floating substructures are attached to the seabed via mooring systems, which are comprised of the following:

- Mooring lines, including steel chain, steel tubes, steel rope or polymer rope;
- Anchors (suction piles, driven piles, pile clusters, or novel anchor alternatives);
- Associated connectors between the substructure, the mooring lines and the anchors, and between sections of the mooring lines; and,
- Other items connected along the mooring line, such as clump weights, buoyancy elements, and load reduction devices.

It is not anticipated that surface buoys will be required. The following mooring technology may be adopted:

- Semi-taut or taut moorings (for semi-submersible floating substructure); or
- Tension moorings (for Tension Leg Platform).

Further information is included within **EIAR Vol. 2, Chapter 5: Project Description**.

6 Location of Project (including any temporary deposit locations)

Coordinates of the Array Area and EICC within which the transmission assets will be located are listed below in Table 0-1, and illustrated in Figure 0-1.

Table 0-1 The location of the Project.

VERTEX	EASTING (M; WGS84 ZONE 31N)	NORTHING (M; WGS84 ZONE 31N)	LONGITUDE (WGS84)	LATITUDE (WGS84)
1	255994	6387343	1° 4.794361' W	57° 33.751316' N
2	256861	6384489	1° 3.755772' W	57° 32.245077' N
3	272016	6382154	0° 48.470667' E	57° 31.462382' N
4	309502	6379682	0° 10.861009' E	57° 31.171135' N
5	323063	6377306	0° 2.807409' E	57° 30.222651' N
6	329187	6376947	0° 8.946515' E	57° 30.170242' N
7	332996	6375126	0° 12.831000' E	57° 29.275237' N

VERTEX	EASTING (M; WGS84 ZONE 31N)	NORTHING (M; WGS84 ZONE 31N)	LONGITUDE (WGS84)	LATITUDE (WGS84)
8	332882	6372586	0° 12.821113' E	57° 27.905354' N
9	339424	6371828	0° 19.386418' E	57° 27.638940' N
10	339703	6371565	0° 19.675690' E	57° 27.503364' N
11	339639	6369124	0° 19.707476' E	57° 26.187779' N
12	347166	6366112	0° 27.335845' E	57° 24.721277' N
13	350624	6361668	0° 30.948517' E	57° 22.397415' N
14	357955	6359101	0° 38.344775' E	57° 21.155573' N
15	364131	6361851	0° 44.406787' E	57° 22.749716' N
16	373948	6366811	0° 54.043718' E	57° 25.590545' N
17	389083	6355908	1° 9.452596' E	57° 19.954007' N
18	397706	6348587	1° 18.223752' E	57° 16.130833' N
19	398558	6346944	1° 19.112141' E	57° 15.257043' N
20	400442	6343319	1° 21.071567' E	57° 13.328697' N
21	401375	6345229	1° 21.953349' E	57° 14.369632' N
22	403606	6346608	1° 24.137911' E	57° 15.141222' N
23	408575	6341751	1° 29.184955' E	57° 12.585328' N
24	403622	6337300	1° 24.370480' E	57° 10.126313' N
25	405293	6335440	1° 26.070176' E	57° 9.145305' N
26	410367	6339999	1° 31.001714' E	57° 11.663005' N
27	415211	6335264	1° 35.906914' E	57° 9.166688' N
28	414955	6327264	1° 35.81584' E	57° 4.853409' N
29	414334	6324841	1° 35.251277' E	57° 3.540641' N
30	402905	6321638	1° 24.022872' E	57° 1.679169' N
31	397319	6321979	1° 18.495801' E	57° 1.790350' N
32	395817	6324690	1° 16.944704' E	57° 3.230349' N
33	395816	6325049	1° 16.934617' E	57° 3.423834' N
34	396061	6334360	1° 16.945413' E	57° 8.443558' N
35	399895	6342202	1° 20.555929' E	57° 12.719496' N
36	396910	6347948	1° 17.448417' E	57° 15.775852' N
37	388465	6355121	1° 8.858030' E	57° 19.521020' N
38	373858	6365647	0° 53.989514' E	57° 24.962060' N
39	364571	6360953	0° 44.875304' E	57° 22.273948' N

VERTEX	EASTING (M; WGS84 ZONE 31N)	NORTHING (M; WGS84 ZONE 31N)	LONGITUDE (WGS84)	LATITUDE (WGS84)
40	364563	6360949	0° 44.867507' E	57° 22.271690' N
41	364549	6360943	0° 44.853597' E	57° 22.267894' N
42	358001	6358022	0° 38.428081' E	57° 20.575758' N
43	350016	6360819	0° 30.373548' E	57° 21.928440' N
44	346533	6365291	0° 26.735051' E	57° 24.266536' N
45	338823	6368373	0° 18.923287' E	57° 25.766116' N
46	338625	6368610	0° 18.715578' E	57° 25.889524' N
47	338683	6370910	0° 18.682934' E	57° 27.128756' N
48	332041	6371673	0° 12.018827' E	57° 27.395348' N
49	331849	6372003	0° 11.813420' E	57° 27.568700' N
50	331966	6374507	0° 11.827107' E	57° 28.919256' N
51	328914	6375962	0° 8.7153840' E	57° 29.633972' N
52	322945	6376311	0° 2.7333880' E	57° 29.684453' N
53	309381	6378687	0° 10.9356620' E	57° 30.633012' N
54	271906	6381159	0° 48.5241120' E	57° 30.923863' N
55	256085	6383592	1° 4.477286' W	57° 31.737837' N
56	255200	6386502	1° 5.536931' W	57° 33.273611' N
57	235142	6391264	1° 25.900706' W	57° 35.154841' N
58	232097	6390161	1° 28.874240' W	57° 34.454641' N
59	231647	6389260	1° 29.264717' W	57° 33.954119' N
60	228315	6388070	1° 32.516086' W	57° 33.195873' N
61	225214	6387035	1° 35.545370' W	57° 32.527261' N
62	222806	6385748	1° 37.863180' W	57° 31.747838' N
63	216824	6379606	1° 43.409097' W	57° 28.226771' N
64	215553	6378706	1° 44.613653' W	57° 27.695748' N
65	212974	6377175	1° 47.076433' W	57° 26.775911' N
66	212453	6377074	1° 47.587911' W	57° 26.702249' N
67	211985	6377110	1° 48.057253' W	57° 26.703704' N
68	212166	6377954	1° 47.936059' W	57° 27.163734' N
69	212521	6378115	1° 47.594168' W	57° 27.263775' N
70	212720	6378241	1° 47.404414' W	57° 27.339236' N
71	212830	6378366	1° 47.303642' W	57° 27.410139' N

VERTEX	EASTING (M; WGS84 ZONE 31N)	NORTHING (M; WGS84 ZONE 31N)	LONGITUDE (WGS84)	LATITUDE (WGS84)
72	216155	6380352	1° 44.128535' W	57° 28.602614' N
73	221319	6385655	1° 39.341729' W	57° 31.643214' N
74	222195	6386555	1° 38.528940' W	57° 32.159057' N
75	226322	6388768	1° 34.555566' W	57° 33.498352' N
76	226742	6389288	1° 34.170388' W	57° 33.793022' N
77	235089	6392311	1° 26.023163' W	57° 35.715544' N
78	235821	6392131	1° 25.278399' W	57° 35.644392' N

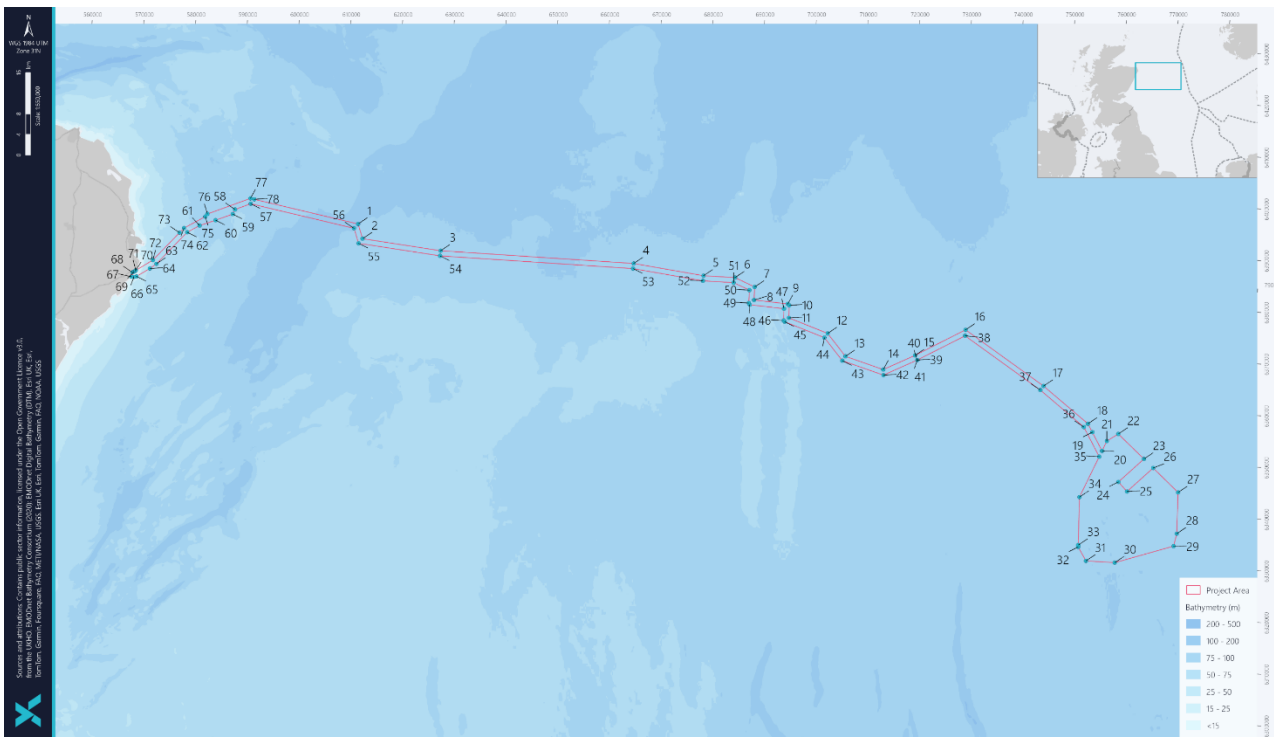


Figure 0-1: The location of the Project relative to the coastline of the United Kingdom. The numbered locations reflect Table 0-1.

8. Permanent (and Temporary) Deposits

(a) Permanent (and temporary, where applicable) materials to be deposited below MHWS.

Table 0-2 details the permanent and temporary materials to be deposited below MHWS across the operational lifespan of the Project. The transmission infrastructure includes the OSCP, the Export/Import Cable and the associated protection/crossings.

Table 0-2: Type, nature and quantity of materials permanently and temporarily deposited below MHWS.

TYPE OF DEPOSIT	NATURE OF DEPOSIT (P = PERMANENT; T = TEMPORARY)	DEPOSIT QUANTITY
Steel / Iron	P	55,992 tonnes
Timber	N/A	N/A
Plastic / Synthetic	N/A	N/A
Concrete	N/A	N/A
Silt	N/A	N/A
Sand	N/A	N/A
Stone / Rock / Gravel	P	383,435 m ³
Concrete bags / mattresses	P	10 concrete mattresses Mattress dimensions: 6 m x 3 m x 0.3 m Total 54 m ³
Cable	P	460 km
Other	N/A	N/A

(b) Method of delivery of material

All of the components and listed materials required for the Project (below mean high-water springs (MHWS)) are to be brought to the Project location by sea. Further details on the anticipated vessel requirements for the construction phase are provided in the **EIAR, Vol. 2, Chapter 5: Project description**, providing details on the vessels (maximum number and type) required for both the offshore construction phase, and the operational phase of the Project. Further details on vessel delivery routes will be provided in the Navigational Safety and Vessel Management Plan (NSVMP), which will be prepared post-consent for approval prior to commencing construction.

24. Advertising and Consultation

(a) Have the proposals been advertised to the public? If YES, how and where?

Yes, the proposals have been advertised to the public. Cenos Offshore Windfarm has met regulatory requirements and followed best practice by:

- Providing a detailed programme of engagement with a variety of technical stakeholders (both statutory and non-statutory);
- Actively engaging with the community;
- Hosting a Pre-Application Consultation (PAC) event;
- Submitting a robust PAC Report detailing how the feedback received from the public was utilised to inform the development of the Project; and
- Committing to engaging with stakeholders through the lifecycle of the Project.

The engagement strategy for the Project has been developed around engaging in a meaningful way, at key periods, to ensure there is opportunity to raise concerns and allow the Project team to take account of local concerns. A PAC Notice was published on 20th August 2024 and confirmation that the notice was published was sent to the Marine Directorate on 28th August 2024. The notice included an overview of the project summarising the Applicant's proposals, an indicative map of the Array Area boundary and Export/Import Cable Route and a summary of their consultation approach. Copies of this document were also distributed to the following stakeholders:

- Maritime and Coastguard Agency (MCA);
- MD-LOT;
- NatureScot;
- Northern Lighthouse Board (NLB);
- Salamander;
- Scottish Environment Protection Agency (SEPA); and
- Scottish Fishermen's Federation (SFF)

The Applicant also published details of the PAC event on relevant social media, the project website news pages, and prepared a media release which was published in a local newspaper, and on local media and social media pages to reach as many stakeholders as possible. The details of these publications, and the date of publication are listed below:

- Press and Journal – 20th August 2024;
- The Buchan Observer – 20th August 2024;
- Renew.Biz website – 24th September 2024;
- Peterhead Live Facebook Page – 26th September 2024;
- Peterhead Live website – 26th September 2024;
- OGV Energy News website – 26th September 2024;
- Aberdeen and Grampian Chamber of Commerce website – 26th September 2024;
- Buchan Live Facebook Page – 30th September 2024;
- Peterhead Community Council Facebook Page – 30th September 2024; and
- Flotation Energy LinkedIn Post – 30th September 2024.

A dedicated email address, phone number and Freepost address were setup for members of the public to get in touch to make comments and/or obtain further information including hard copies of materials, seek one-to-one consultation meetings or information regarding the Applicants next consultation activities. Full details of the public consultation can be found in the PAC Report submitted with this application.

Following acceptance of the Section 36 Consent and associated Marine Licence Application for the Project, an advert inviting the public to submit their comments on the application will be placed in the following publications:

- The Herald;
- The Edinburgh Gazette;
- The Aberdeen Press and Journal; and
- Fishing News.

This will also contain the date in which they have to respond by.

(b) Have the public been invited to submit comments? If Yes, to whom and by what closing date?

Yes, the public have been invited to submit comments on the proposals and will be invited to submit comments on the Application. In line with the legislative requirements and industry best practice, the submission of the Project Application will be publicly advertised, and this EIAR will be openly available. Stakeholder engagement will continue following submission, and there will be an opportunity to make formal representations to Scottish Ministers.

Hard copies of the EIAR can be purchased from the Applicant, and electronic copies, including all accompanying documents, are available to view on the Project website (<https://cenosoffshorewind.com/documents/>). Anyone having difficulty accessing the application documents through this website can contact the Project directly (hello@cenosoffshorewind.com) for assistance.

Hard copies of the application together with the EIAR and other documentation are also available to view publicly at:

- Peterhead Library (51 St Peter St, Peterhead AB42 1QD);
- Buchan House (St Peter Street, Peterhead, AB42 1QF); and
- Flotation Energy (15 Justice Mill Lane, Aberdeen, AB11 6EQ).

Details of these locations are provided on the Project website (<https://cenosoffshorewind.com>) and within the Section 36 Consent Application Letter. Finally, the application documents are also available via the Marine Directorate website at: <https://marine.gov.scot/marinelicence-applications>. Persons wishing to provide comments on the Project can do so by writing to the prospective Applicant at: hello@cenosoffshorewind.com, or by post to Cenos Offshore Windfarm, Ground Floor, North East Suite, iQ Building, 15 Justice Mill Lane, Aberdeen, AB11 6EQ.

(c) Have any consultation meetings with the public been arranged? If Yes, where and when are these to be held?

Yes, the Applicant hosted a PAC event to provide an opportunity for the local community and other stakeholders to find out more about the Project, meet the team, and provide feedback. The PAC event was held on 1st October 2024 at Peterhead Football Club. Though the consultation is now closed, you can download copies of the display boards which were presented at the event through the project website (<https://cenosoffshorewind.com/>).



26. Designated Conservation Areas

Cenos Offshore Windfarm transmission infrastructure partly sits within the East of Gannet and Montrose Field Nature Conservation Marine Protected Area (NCMPA); the EICC enters at the West edge of the NCMPA and routes towards the OSCP, which are located towards the centre of the generation development site within the NCMPA. Additionally, the EICC crosses the south-eastern portion of the Southern Trench NCMPA inshore, between MHWS and 12 NM.