02/10/2026

Dear Sir/Madam,

Invitation to Tender for the In-Situ Major Component Replacement Innovation Competition for the Floating Wind Joint Industry Programme (IMRIC)

You are invited to submit a proposal for the In-Situ Major Component Replacement Innovation Competition project which is part of the Floating Wind Joint Industry Programme. The key objective of this project is to accelerate the development and deployment readiness of innovative in-situ major component replacement solutions for offshore wind.

Please be aware that this process is a non-mandatory procurement process, published for transparency and best practice. All timescales are based, as near as possible, to the Open Procedure. However, dates referred to below may be subject to change where this is necessary in the interests of the project (such changes will be notified in advance).

Should your proposal be successful an Award Letter, the Scope of Work, the Carbon Trust Conditions of Contract ("**Conditions**"), and any clarifications agreed in writing, will establish the Contract for the In-Situ Major Component Replacement Innovation Competition project (the "**Contract**") between you and the Carbon Trust. The Conditions accompany this ITT for your prior review. Please note that in the interests of transparency and fairness, these Conditions are non-negotiable, although we will provide clarifications to any queries you may have prior to submitting your Tender, answers to which will be distributed to all bidders as set out below. Bids that fail to accept the Conditions in their full un-amended form (other than changes explicitly accepted and agreed by the Carbon Trust on the clarifications page) at the time of submission will be considered to be non-compliant and may, at the Carbon Trust's discretion, be excluded from the procurement process.

Clarification questions must be emailed to Bethany.White@carbontrust.com and FloatingWind@carbontrust.com any time before COB Monday 16th November. Answers to clarification questions will be communicated by COB Tuesday 17th November. Answers can be found at: https://www.carbontrust.com/about-us/tenders.

Unless informed to the contrary, Tenders and communications should be sent by e-mail to the following e-mail address: Bethany.White@carbontrust.com, Arturo.Andersen@carbontrust.com and FloatingWind@carbontrust.com.

Please submit your proposal by COB Tuesday 24th November.

The timeline of this procurement process is as follows:

Deadline for clarification questions	COB Monday 16th November
Clarification response date	COB Tuesday 17th November
Proposal submission deadline	COB Tuesday 24th November
Bidder presentations and clarification interviews (if required)	W/C 7th December (if undertaken)
Contract award	W/C 21st December

If you have any questions about the timing, please let us know.

We look forward to receiving your Tender.

Yours sincerely,

Michael Archer
For and on behalf of
THE CARBON TRUST

IMPORTANT INFORMATION FOR BIDDERS

Publishing

Neither this document, nor any part of it nor any other information supplied in connection with it may, except with the prior written consent of the Carbon Trust, be published, reproduced, copied, distributed or disclosed to any person for any purpose other than consideration by the recipient of whether or not to submit a Tender.

Tender evaluation

The received tenders will be evaluated by the Carbon Trust and the Floating Wind JIP Partners against the criteria provided in section 7 and the Bidder authorises the Carbon Trust to share its submitted Tender with the Floating Wind JIP Partners for this purpose. A shortlist of Bidders will be created and invited for interview. Carbon Trust will do a vetting of the shortlisted bidders. Carbon Trust may request shortlisted bidders to fill-in a Due Diligence Questionnaire to supply additional information prior to being invited for an interview.

Contracting

Bidders should note that the Scope of Work described in this Invitation to Tender (ITT) does not constitute an offer to contract with the Carbon Trust. It only represents a definition of specific requirements and an invitation to submit a Tender proposal addressing these requirements.

Issuance of this ITT and the subsequent receipt and evaluation of the Tenders by the Carbon Trust does not commit the Carbon Trust to enter into a Contract with any Bidder.

Should Your Tender be successful, a Final Scope of Work that builds upon the Scope of Work contained in section 4 of this document and Your Approach to Work will be mutually agreed between You and the Carbon Trust. Once the Final Scope of Work is agreed, your offer will be formally accepted by the Carbon Trust issuing an Award Letter, the Final Scope of Work, the Floating Wind JIP Stage III Contractors' Conditions, and any clarifications agreed in writing. The Award Letter, the Final Scope of Work, the Floating Wind JIP Stage III Contractors' Conditions, and any clarifications agreed in writing will establish the Contract for the In-Situ Major Component Replacement Innovation Competition (the "**Contract**") between You and the Carbon Trust. With the exception of any minor amendments to the Floating Wind JIP Stage III Contractors' Conditions which may be requested by the Bidder, the submission of a Tender shall constitute unqualified acceptance of the Floating Wind JIP Stage III Contractors' Conditions. In the event that minor amendments to the Floating Wind JIP Stage III Contractors' Conditions are requested, such amendments must be clearly stated and the exact alternative wording must be provided in Annex A of the Tender Certificate. Please note that it is at the sole discretion of the Carbon Trust to accept any of the proposed amendments and that the Carbon Trust reserves the right to require the provision of further information in relation to any such request. No minor changes other than those contained in Annex A of the Tender Certificate at the time of submitting the Tender will be considered. No material changes will be considered at any time.

Mechanics of the Tender process

Bidders should also note that:

- it is at the discretion of the Carbon Trust whether to accept any non-compliant Tender or whether to reject any non-compliant tenders without progressing such tenders through the evaluation phase;

- the Carbon Trust reserves the right not to accept the lowest priced Tender or any Tender whatsoever;
- the Carbon Trust reserves the right to accept more than one Tender;
- unless a Bidder makes a formal statement to the contrary, the Carbon Trust reserves the right to accept any part of a Bidder's Tender without accepting the remainder;
- formal notification that a Tender has been successful will be communicated in writing by the Carbon Trust;
- the costs of tendering are the full responsibility of the Bidder; and,
- the pricing set by Bidders shall be valid for a minimum of 90 days.

Bids may be submitted by individuals, companies, organisations or consortia.

Bidders should be aware that dates referred to in this Invitation to Tender may be subject to change where this is necessary in the interests of the Project (such changes will be notified in advance).

The Tender Certificate, Main Bid Document and any correspondence must be written in English. This Invitation to Tender, the Contract, its formation, interpretation and performance is subject to and in accordance with the law of England and Wales.

Conflicts of interest

Bidders should be free of any commercial interests, partnership arrangements or contracts underway or other matters which may present a conflict or potential conflict of interest in respect of the provision of these services. As set out in section 3, if a Bidder thinks that it may have any conflict or potential conflict of interest, the Bidder shall describe the details of this conflict and provide details of whether and how it would propose to manage such a conflict in a satisfactory and robust manner in Annex B of the Tender Certificate. The Carbon Trust reserves the right to require the provision of further information in relation to any conflict or potential conflict of interest.

Disclaimer

The information contained in this Description of Tender document and in any documents or information it refers to or incorporates (the "**Disclosed Information**") has been prepared to assist interested parties in deciding whether to submit a Tender. The Disclosed Information is not a recommendation by the Carbon Trust. It does not purport to be all inclusive or include all the information that a Bidder may require.

Neither the Carbon Trust nor any of its directors, employees, agents or advisers makes any representation or warranty (express or implied) as to the accuracy, reasonableness or completeness of the Disclosed Information. All such persons or entities expressly disclaim any and all liability (other than in respect of fraudulent misrepresentation) based on or relating to the Disclosed Information or any subsequent communication. The Bidder should conduct its own due diligence and seek its own professional, legal, financial and other advice as appropriate. The only information which will have any legal effect and/or upon which any person may rely will be such information (if any) as has been specifically and expressly represented and/or warranted in writing to the successful Bidder in any written contract that may be entered into with the Carbon Trust.

Floating Wind Joint Industry Programme

Invitation to Tender for the In-Situ Major Component Replacement Innovation Competition

Description of Tender

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1. Introduction to the Floating Wind Joint Industry Programme

1.1. The Floating Wind Joint Industry Programme ("**Floating Wind JIP**") is a collaborative R&D initiative between the Carbon Trust and participating industry partners EnBW, Ocean Winds, ScottishPower Renewables, TEPCO and Tohoku EPCO, (the latter are collectively referred to in this document as "**Floating Wind JIP Partners**"), that aims to investigate the challenge and opportunities of developing commercial-scale floating wind farms.



1.2. The objective of the Floating Wind JIP is to overcome technological challenges and advance the commercialisation of floating offshore wind. This project has been scoped to consider both floating and fixed-bottom applications where there are common challenges and opportunities associated with in-situ major component replacement.

1.3. Selected Solution Providers will receive technical direction and project coordination through Carbon Trust, informed by FLWJIP partner input. The level of engagement may vary between competition stages.

1.4. Please note, the term "Contractor", where used within this document, refers only to successful bidders.

2. Background and objective of the IMRIC project

2.1. The Floating Wind JIP Partners would like to support the development of innovative in-situ major component replacement (MCR) solutions capable of reducing technical, operational and commercial barriers associated with offshore replacement and repair activities for current and next-generation offshore wind turbines. The competition seeks concepts that can support both fixed-bottom and floating offshore wind applications and demonstrate a credible pathway towards commercial deployment within the next 5-7 years.

2.2. As offshore wind turbines continue to increase in size and projects are deployed in increasingly challenging environments, major component replacement activities are becoming more complex, costly and operationally demanding. Traditional approaches often require specialist vessels, extended mobilisation periods and restrictive weather limits, resulting in significant cost and availability impacts. Whilst these challenges are particularly relevant to floating wind, many are shared across fixed-bottom offshore wind and are expected to become increasingly significant as turbine sizes continue to increase. The FLWJIP partners have identified a need to accelerate the development of practical, scalable in-situ MCR approaches capable of reducing intervention complexity, improving turbine availability and supporting the long-term operability of future offshore wind projects. Through this competition, FLWJIP seeks to identify, assess and support high potential concepts that can contribute to overcoming these challenges.

2.3. The main objectives of the project are to:

- reduce technical, operational and integration risks associated with offshore in-situ major component replacement;
- support approaches that reduce dependence on specialist offshore intervention vessels and improve turbine availability through more efficient replacement and repair strategies;
- focus the development of MCR solutions on priority challenge areas (see below) defined by wind farm developers and operators;
- accelerate supply chain development by identifying and progressing high-potential concepts through structured assessment, targeted technical de-risking and readiness progression activities;
- establish credible pathways towards future testing and offshore demonstration and supporting progression towards commercial deployment.

2.4. The competition focuses on three priority challenge areas for in-situ major component replacement:

- Blade and blade-bearing replacement – addressing blade handling, transport, storage, positioning and installation, as well as bearing access, rotor positioning, suspended loads and floating-turbine motions.
- Gearbox and generator replacement for geared turbines – addressing nacelle access, lifting, removal, alignment, installation, structural interfaces and floating-turbine motions.
- Main-bearing replacement for direct-drive turbines – addressing the lifting, handling, extraction and installation of large main bearings, including nacelle access, structural interfaces and floating-turbine motions.

2.5. The competition is open to a broad range of solution concepts. However, emphasis will be placed on higher TRL solutions capable of demonstrating credible maturity, scalability and applicability to future offshore wind projects.

2.6. Unless otherwise stated, Bidders should assume requirements for:

- applicability to both fixed bottom and floating offshore wind;
- applicability to current and future commercial scale turbine architectures (15 MW+);
- applicability to both geared and direct drive turbine configurations;
- realistic offshore logistical and operability constraints;
- a focus on concepts capable of reaching commercial maturity within approximately 5-7 years.

Full offshore demonstrations are not part of the scope of this competition.

2.7. Following assessment, a limited number of MCR concepts may be selected to progress into subsequent funded technical maturation activities. Carbon Trust and the FLWJIP partners reserve the right to progress multiple concepts, a single concept, or no concepts depending on the quality and suitability of submissions received.

3. Tender documents for submission

3.1. In response to this Invitation to Tender, Bidders are required to submit:

i. A Main Bid Document (pdf) – no template provided;
ii. The signed Tender Certificate (pdf) – template provided; and
iii. The filled-in Bid Price Calculation Sheet (xls) – template provided.

3.2. The Main Bid Document should be no more than 20 pages excluding appendices and no more than 40 pages including appendices. Font should be clearly legible and be at least font size 11. The Main Bid Document should provide a clear description of the proposed MCR technology, its current state of maturity and the proposed scope of work to be performed within the project. The Main Bid Document shall as a minimum include the following:

i. A description of the Bidder's MCR technology at the date of proposal submission (see Section 7 Criteria 1 and 2 for more details). The description of the Bidder's MCR technology should:
   - describe the proposed solution or concept;
   - specify the MCR Challenge Area(s) being addressed (see Section 4.2);
   - describe key technical differentiators and innovative aspects;
   - outline the current stage of development and technology maturity;
   - describe the turbine OEM(s) and turbine model(s) that represent the primary target application for the proposed technology;
   - summarise the current status of discussions, engagement or collaboration with turbine OEMs, developers or asset owners related to deployment of the technology;
   - outline the applicability of the technology across a wider range of turbine models, ratings and OEM platforms, including any modifications required to support broader deployment.

ii. A description of the Bidders proposed scope of work (see Section 7 Criterion 3 for more details). The Bidder should propose activities and corresponding deliverables which will mature the development of their proposed technology in alignment with the priority Challenge Areas and Work Packages defined in Section 4. Bidders should clearly describe the anticipated benefits associated with the work to be performed, which may include:
   - reduction in technical and operational risk;
   - development of validation and testing strategies;
   - improved deployment readiness.

   The description of the proposed activities should:
   - define value-adding tasks which are appropriate to the development stage of the Bidder's technology;
   - define project milestones and deliverables;
   - describe the proposed project team and responsibilities;
   - include a Gantt chart which describes the timeline for the project;
   - describe the Bidder's approach to stakeholder engagement.

iii. An explanation of the Bidder's experience and relevant capabilities in developing, deploying or assessing similar technologies (see Section 7 Criterion 4 for more

details). This should include relevant experience in offshore wind, marine operations, lifting, maintenance, engineering or technology development.

iv. The offered Bid Price, including any cost assumptions deemed relevant by the Bidder. A copy of the filled-in Bid Price Calculation Sheet should be included.

v. Supporting information (e.g. key personnel CVs, technical evidence and relevant reports or case studies). This information should be provided as appendices to the Main Bid Document.

3.3. The Tender Certificate must be signed by an authorised signatory. Bidders must fill in the provided template.

3.4. The filled-in Bid Price Calculation Sheet must be provided in Excel format in addition to the information provided in the Main Bid Document.

3.5. The failure by a Bidder to submit either the Main Bid Document, the signed Tender Certificate or the filled-in Bid Price Calculation Sheet shall mean that such Tender is a non-compliant Tender.

4. Scope of Work

4.1. In their Main Bid Document, Bidders should propose a technical scope of work which addresses one or more of the priority Challenge Areas described in Section 4.2 and which follows the Work Package structure described in Section 4.3.

4.2. Priority Challenge Areas

The Challenge Areas included within this competition have been informed by FLWJIP partner input and are intended to reflect industry-prioritised operational challenges associated with major component replacement on next-generation offshore wind turbines.

Challenge Area 1: Blade and Blade Bearing Replacement

Blades and blade bearings represent some of the highest failure rate major components within offshore wind turbines. Whilst the detailed replacement methodology may vary between turbine platforms, the fundamental challenges associated with blade handling, transportation, positioning and installation remain broadly consistent across turbine models. As turbine ratings continue to increase, blade length, mass and logistical complexity are expected to further increase, requiring innovative approaches to improve the safety, efficiency and operability of offshore rotor interventions.

Challenge-specific considerations include:

- blade handling, transport and manipulation;
- blade traverse and transfer system interactions;
- offshore and vessel-based blade storage requirements;
- management of damaged, fractured or deformed blades;
- blade bearing access and replacement requirements;
- rotor positioning and locking requirements;
- additional rotor turning or blade positioning tooling;
- suspended load management;
- floating turbine motions.

Challenge Area 2: Gearbox and Generator Replacement (Geared Turbines)

This Challenge Area has been selected as gearbox and generator replacements represent some of the most common and costly offshore maintenance activities for geared turbine architectures. Whilst these components perform different functions, many of the operational requirements associated with access, lifting, removal, installation and recommissioning are common.

Challenge-specific considerations include:

- nacelle access and lifting constraints;
- removal and installation pathways within the nacelle;
- alignment and tolerancing requirements;
- suspended load management;
- structural interface management;
- floating turbine motions.

Challenge Area 3: Main Bearing Replacement (Direct Drive Turbines)

Main bearing replacement within direct-drive turbines presents a distinct intervention challenge due to the size, weight and the required different replacement approach. This activity involves some of the largest lifts and, like the other challenge areas, is a frequently performed MCR operation during turbine maintenance campaigns.

Challenge-specific considerations include:

- lifting capacity and component handling requirements;
- bearing extraction and installation methodologies;
- suspended load management;
- structural interface management;
- nacelle space and access constraints;
- floating turbine motions.

The three Challenge Areas share common desired outcomes, including:

- reduced turbine downtime;
- reduced dependence on specialist vessels;
- improved safety and offshore operability;
- applicability to current and future offshore wind turbines (15 MW+);
- repeatable deployment across fixed bottom and floating offshore wind turbines.

Performance expectations associated with MCR technologies addressing each Challenge Area, include:

- safe execution of major component replacement activities;
- clear definition of turbine, foundation and floater interface requirements;
- reduced intervention duration compared with current industry practice;
- reduced offshore personnel exposure;
- a credible pathway towards commercial deployment and industry adoption.

4.3. It is expected that the proposed tasks will be performed within a framework of four Work Packages defined in the following table. If the objectives of a particular Work Package are not relevant to a Bidder, clear reasons should be provided as to why this is the case. Bidders should use the Work Packages set out below to create the Approach to Work. Any Alternative Work or Additional Work shall be stated in the Approach to Work at the end of the relevant Work Package description.

4.4. The deliverables required from each selected Solution Provider may be tailored to the maturity, scope and development requirements of the proposed solution. The Final Scope of Work and

deliverable set will be agreed between the Carbon Trust and the Contractor when entering into the Contract.

4.5. All deliverables will be subject to review by Carbon Trust and may also be reviewed by the ITC and FLWJIP Partners, as appropriate. Solution Providers should assume that review comments may be provided and that updates to deliverables may be required before formal acceptance.

4.6. The Carbon Trust anticipates that it will take approximately 7 months to complete the Project.

WORK PACKAGES

<table>
<tr><th>Work Package</th><th>Description of work</th></tr>
<tr><td>WP1: Technical de-risking and concept development</td><td>Selected Solution Providers may receive support to undertake targeted engineering and analytical activities intended to address key technical and operational risks.

Activities may include:
structural or dynamic modelling;
interface definition and assessment;
motion response assessment;
safety critical engineering studies;
other focused technical assessments justified by the proposed solution.
Activities should be focused on improving confidence in technical viability and maturity rather than demonstrating performance through physical testing.</td></tr>
<tr><td colspan="2">Project Deliverables:
D1.1: Technical derisking outputs: a summary of engineering, analytical or assessment activities undertaken during the Project, including methodologies applied, assumptions adopted, key findings, remaining technical uncertainties and implications for future development.</td></tr>
<tr><td>WP2: Validation and testing strategy development</td><td>Selected Solution Providers may receive support to develop validation and testing strategies appropriate to the maturity of the solution.

Activities may include:
development of testing methodologies;
definition of validation requirements;
identification of suitable facilities;
limited early-stage validation activities.
Full physical or offshore demonstrations are not part of the Project scope.</td></tr>
<tr><td colspan="2">Project Deliverables:
D2.1: A clearly defined validation strategy describing validation objectives, proposed test methodologies, required facilities and resources, recommended validation sequence and evidence required to support further maturity progression.</td></tr>
<tr><td>WP3: Deployment readiness and demonstration pathway</td><td>Solution Providers shall define a clear pathway towards future demonstration and deployment.

Activities should include identification of:
remaining technical and non-technical barriers;</td></tr>
</table>

	• future testing requirements; • demonstration requirements; • supply chain readiness; • indicative timing and resource requirements; • deployment readiness assessment. The objective of this work package is to establish an evidence-based pathway toward future testing, demonstration and commercial deployment beyond the current project.
Project Deliverables: **D3.1:** Deployment readiness assessment: an assessment of the concept's readiness for future deployment, including current maturity status, remaining technical and non-technical barriers, key risks associated with implementation and recommended next development activities. **D3.2:** Demonstration pathway: a structured roadmap describing the pathway towards future testing, demonstration and commercial deployment, including future testing requirements, demonstration requirements, indicative timescales and resource requirements plus key decision points and dependency assumptions.	

WPA: Project Management	The Bidder should stipulate how it will manage the Project efficiently and effectively. In particular, the following activities should be included (and hence budgeted for):
	
	• project management time (including sufficient time for review processes);
	• regular update calls with the Carbon Trust Project Manager and/or FLWJIP Partners as required;
	• the preparation of monthly flash reports (Carbon Trust template) containing key financial data and information of the delivery status of the Project; and
	• towards the end of the Project:
	  ○ the production of a 3-10 pages Executive Summary Report for the entire Project (for dissemination within the FLWJIP);
	  ○ the preparation of a Project Closeout Form (Carbon Trust template) which includes a short summary of areas for future research and a documentation of all Project Deliverables;
	  ○ time dedicated to presenting the main results, findings and outcomes of the Project in the form of a 1-hour webinar to the FLWJIP Partners; and
	  ○ the provision of inputs for the FLWJIP Cost Model by completing the FLWJIP Cost Model Input Sheet (Carbon Trust template).

	Bidders should be aware that the Carbon Trust and FLWJIP Partners usually require 2-3 weeks to review and provide feedback on each Project Deliverable, with at least one round of review comments to be accommodated. This should be considered when calculating your Bid Price.

Project Deliverables:

DA.1: Monthly flash reports

DA.2: Participation in review meetings with Carbon Trust, the ITC and FLWJIP Partners.

DA.3: Final technical summary report: a consolidated report summarising activities undertaken during the project, key technical findings, progress made against identified risks, validation and readiness outcomes, recommendations for future development, presentations and review activities.

DA.4: Final presentation: delivery of a final presentation summarising project outcomes and recommendations.

5. Intellectual Property, Knowledge and Input Data

5.1. Full details of the intellectual property requirements and conditions can be found in the attached Floating Wind JIP Stage III Contractors' Conditions.

5.2. The Carbon Trust and/or the FLWJIP Partners may make available relevant information, data, assumptions, challenge definitions, performance expectations and other supporting materials to successful Solution Providers, subject to the confidentiality provisions contained within the Floating Wind JIP Stage III Contractors' Conditions.

5.3. **Subcontractors and consortium bids**: It is the discretion of the Bidder if they choose to engage third parties to supporting development and delivery of the proposed solution. The Bidder is responsible for agreeing and enforcing any required contractual agreements related to project delivery, which include the flow down of the contractors' conditions assigned to this ITT.

5.4. **Stakeholder Engagement**: As outlined within the Tender Evaluation Criteria, Bidders should demonstrate expertise, relationships and technical resources necessary to support development of their proposed solution. Whilst the FLWJIP Partners and members of the wider Floating Wind Advisory Group may provide input during the project; Bidders should not rely solely on these organisations to enable delivery of their proposed activities. Where engagement with third parties, technology providers, OEMs or other industry stakeholders is required, Bidders shall be responsible for establishing appropriate agreements, including any necessary confidentiality and data-sharing arrangements.

6. Bid Pricing

6.1. To provide Bidders with greater clarity regarding the anticipated scale of activities, a total of up to £276,000 of funding is anticipated to be available to support up to four concepts progressing through subsequent project stages. Successful concepts will not necessarily receive equal funding allocations, and funding levels may be tailored based on solution maturity, identified technical risks and agreed development activities.

6.2. The Bid Price submitted with the Tender must be derived from the cost breakdown provided in the Bid Price Calculation Sheet and must include all anticipated expenses. Bidders should clearly identify the resources and costs associated with progressing their proposed solution through the activities described within Section 4 of this ITT. Any additional work proposed by the Bidder should be priced separately and clearly identified within the Main Bid Document.

6.3. Bidders should provide a cost breakdown linked to the proposed development activities, validation activities and deployment readiness activities described within their submission. Cost assumptions should be clearly stated and justified.

6.4. All costs and rates quoted in the Main Bid Document and Bid Price Calculation Sheet must be in GBP (£). All staff rates quoted in the Tender must represent the applicable day rate for the personnel proposed.

6.5. Any expenses must be separately included under Expenses.

6.6. As part of the assessment process, Carbon Trust will review proposed costs to ensure they are realistic, proportionate and aligned with the maturity, scope and anticipated development needs of the proposed solution. Bid pricing will be reviewed as part of the overall assessment process but will not be scored as a standalone evaluation criterion. The review will consider the realism of proposed costs, the proportionality of proposed activities and the anticipated value of the solution to the FLWJIP partners.

6.7. Carbon Trust reserves the right to agree a refined scope, funding level and deliverable set with selected solution providers following assessment and down selection. Funding and technical support may be applied proportionately based on solution maturity, identified technical risks and anticipated value to the FLWJIP Partners.

7. Tender Evaluation Criteria

Bidders should take the following evaluation criteria into account when preparing and submitting their Tenders.

Bid pricing will not be scored as a standalone evaluation criterion. However, proposed costs will be reviewed for realism, proportionality and alignment with the maturity and development needs of the proposed solution as described in Section 6.

CRITERION 1: SOLUTION QUALITY AND ALIGNMENT (WEIGHTING: 20%)

Description	Information required from bidders
Technical Solution	In the main bid document, bidders are required to provide a clear and detailed description of their proposed technical solution, including its operating principles, key technical differentiators and how it addresses the relevant priority Challenge Area(s). Bidders should explain how the proposed solution aligns with the competition objectives.
Challenge Alignment	Bidders should demonstrate how the proposed technology addresses the challenge specific requirements, constraints and desired outcomes outlined within Section 4. Consideration will be given to how effectively the solution responds to the operational needs identified by FLWJIP partners.
Expected Benefits	Bidders should clearly demonstrate the anticipated technical, operational and commercial benefits of the proposed solution, including potential contributions towards risk reduction, cost reduction, improved operability, reduced downtime and deployment readiness.

CRITERION 2: MATURITY, EVIDENCE AND DEPLOYMENT POTENTIAL (WEIGHTING: 20%)

Description	Information required from Bidders
Technical Maturity	Bidders should provide a clear description of the current maturity level of the proposed solution, including relevant development history, testing, validation and demonstration activities undertaken to date.
Supporting Evidence	Bidders should provide evidence supporting technical claims and expected performance, including studies, testing results, modelling outputs, demonstration activities or other relevant supporting information.
Scalability and Applicability	Bidders should demonstrate the applicability of the proposed solution to future offshore wind projects, including suitability for future turbine sizes, scalability considerations and potential applicability across fixed-bottom and/or floating offshore wind.
Deployment Readiness	Bidders should describe the anticipated pathway towards commercial deployment, including key development activities, remaining barriers, validation requirements and future demonstration considerations.

CRITERION 3: RELEVANCE AND VALUE OF PROPOSED WORK (WEIGHTING: 35%)

Description	Information required from bidders
Relevance of Proposed Work	Bidders should clearly describe the anticipated technical, operational and commercial advances to be made as a direct result of the work to be performed within the Project. This may include potential contributions towards risk reduction, cost reduction, improved operability, reduced downtime and deployment readiness.
Value of Proposed Work	Bidders should demonstrate efficient use of the requested funding and describe the value of the proposed deliverables.
Additional Work	If any Additional Work is proposed by the Bidder, these aspects will be evaluated separately.

CRITERION 4: DELIVERY CAPABILITY AND RELEVANT EXPERIENCE (WEIGHTING: 25%)

Description	Information required from bidders
Relevant Experience	In the main bid document, Bidders should provide examples of previous work demonstrating experience relevant to the proposed scope of work, including offshore wind, marine operations, lifting, maintenance, engineering, technology development or related activities.
Project Team and Skills	Bidders should provide details of the proposed team, including relevant qualifications, expertise, previous experience and anticipated roles and responsibilities. Relevant CVs should be provided within an appendix.
Stakeholder Engagement and Delivery Approach	Bidders should describe how they intend to engage with Carbon Trust, FLWJIP partners, the Independent Technical Consultant (ITC) and other relevant stakeholders during project delivery. Bidders should identify any relevant relationships with OEMs, developers, supply chain organisations, testing facilities or other stakeholders that may support delivery of the proposed solution.
Project Management	Bidders are required to describe how they will manage project activities, resources, programme risks, milestones and reporting requirements throughout delivery.

The Carbon Trust has committed to reaching Net Zero by 2050. Our associated targets have been validated by the Science Based Targets Initiative (SBTi)[1]. To meet the initial targets that we have set for ourselves, we encourage all our suppliers and sub-contractors to themselves have equivalent plans

[1] https://sciencebasedtargets.org/

in place by 2026 at the latest. Measuring your emissions, setting targets, and encouraging others to do so will help push the needle on decarbonisation together.

Accordingly, we have included climate change commitment clauses in the Floating Wind JIP Stage III Contractors' Conditions. Bidders may submit Tenders even if they cannot meet the defined conditions now, but if this is the case this should be clearly flagged in the Tender Certificate as a requested change to the Floating Wind JIP Stage III Contractors' Conditions. Please reach out if you need more information on this.

8. Glossary

Approach to Work	The Bidder's proposed solution development approach, including the technical basis of the concept, evidence supporting the solution, proposed development activities, validation strategy, deployment pathway and any supporting project delivery arrangements described within the Main Bid Document.
Additional Work	Any activities proposed by the Bidder that fall outside the defined competition requirements but may provide additional value to the Project, challenge area or development of the proposed solution.
Alternative Work	Alternative approaches, methodologies or development activities proposed by the Bidder that differ from, but seek to achieve the intent of, the competition requirements described within the Scope of Work.
Award Letter	A letter, issued by Carbon Trust, informing the Contractor about the award of the Contract. The Award Letter is issued together with the Final Scope of Work and the Floating Wind JIP Stage III Contractors' Conditions.
Bidder	An individual, a company, an organisation or a consortium submitting a bid for the Project.
Bid Price	The total price proposed by the Bidder to undertake the activities described within its submission and support progression of the proposed solution in accordance with Sections 3 and 4 of this ITT. The bid price shall not include any Additional Work proposed by the Bidder
Bid Price Calculation Sheet	An Excel template provided by the Carbon Trust that is to be provided by the Bidder in addition to the Main Bid Document.
Carbon Trust Project Manager	The Carbon Trust employee who serves as first point of contact in relation to this ITT and the Project.
Clarification Document	A document containing all received clarification questions and Carbon Trust's responses to these questions.
Contract	A document consisting of the Award Letter, the Final Scope of Work, the Floating Wind JIP Contractors' Conditions, and any clarifications agreed in writing.
Contractor	A Solution Provider selected by Carbon Trust to progress through one or more stages of the competition and undertake activities under the Project. The Contractor may comprise a single organisation or consortium.
ITC (Independent technical consultant)	A consultant used to assist with the technical assessment of bids independent of Carbon Trust and FLWJIP Partners.

Description of Tender	This document.
Due Diligence Questionnaire	A questionnaire that is to be completed by shortlisted Bidders should Carbon Trust's bidders vetting process give reason to conduct a due diligence. In case of a consortium, the Due Diligence Questionnaire is to be filled-in by the designated Project Coordinator.
Executive Summary Report	A 3-10 pages report containing a summary of the activities undertaken, key findings, maturity progression, validation outcomes and recommendations arising from the project.
Final Scope of Work	The agreed scope of activities, deliverables and funding applicable to a selected Solution Provider following competition assessment and down-selection. The Final Scope of Work may vary between Solution Providers depending on solution maturity, technical risks and agreed development activities.
Flash Report	A template provided by the Carbon Trust at Project start.
Floating Wind JIP	Floating Wind Joint Industry Programme
Floating Wind JIP Partners	A group of leading offshore wind farm developers supporting the Floating Wind JIP.
Floating Wind JIP Cost Model	The Contractor is not expected to produce a cost model of its own, but rather provide an estimate, with appropriate explanation, for potential cost implications of the research undertaken within the frame of the delivered project. The Carbon Trust will provide a template to assist the Contractor in this process.
Floating Wind JIP Cost Model Input Sheet	A form (to be provided by Carbon Trust) which the Contractor should complete in WPA to provide input into the Floating Wind JIP Cost Model. I
Invitation to Tender (ITT)	The following group of documents: Description of Tender (this document); Floating Wind JIP Stage III Contractors' Conditions; Tender Certificate template; Bid Price Calculation Sheet template; and Clarification Document (if applicable[2]).
Main Bid Document	Has the meaning given in section 3.1. No template is provided.
Project	The In-Situ Major Component Replacement Innovation Competition or IMRIC project.

[2] A Clarification Document will not be published if no clarification questions are received in relation to this ITT.

Project Closeout Form	A template provided by the Carbon Trust towards the end of the Project.
Project Deliverables	The outputs required from a selected Solution Provider, which may include technical reports, assessments, validation strategies, deployment roadmaps, presentations, supporting evidence and other agreed project outputs. Deliverables may differ between Solution Providers depending on the scope of activities undertaken.
Scope of Work	The activities, requirements, challenge areas, competition stages and deliverables described in Section 4 of this ITT. The Scope of Work establishes the basis upon which concepts will be assessed and, where applicable, progressed through subsequent stages of the competition.
Solution Provider	A Bidder proposing an innovative technology, methodology, system or concept intended to address one or more Priority Challenge Areas defined within this ITT. Following assessment and down-selection, one or more Solution Providers may be selected for progression through subsequent competition stages.
Tender	Bidder's response to this ITT consisting of the following elements: - Main Bid Document (proposal); - signed Tender Certificate; and - Bid Price Calculation Sheet
Tender Certificate	A declaration that is to be provided by the Bidder (in case of a consortium: by the designated Project Coordinator) in addition to the Main Bid Document.
Total Budget	The anticipated funding available to support delivery of the Project. Funding awarded to successful Solution Providers may vary depending on competition outcomes, solution maturity, technical risk and agreed development activities.
Work Package	A defined stage or group of activities associated with the assessment, development, validation or deployment readiness progression of a solution within the Project.
Work Programme	The overall programme of activities that collectively support identification, assessment, technical de-risking, validation planning and deployment readiness progression of selected solutions.