

Invitation to Tender

Saare-Liivi Offshore Wind Park Ice Model Testing

Purpose of Tender

Utilitas Wind OÜ is pleased to announce the commencement of an open tender process for the provision of ice model testing to support substructure design of the Saare-Liivi Offshore Wind Park (SLOWP).

The purpose of this procurement is to engage a qualified service provider to deliver ice model testing, analysis, and reporting support to assess the performance, reliability, and efficiency of selected substructure design(s) under ice loading conditions.

Scope of Work

The goal of the work is to:

- 1) Verify that the performance of the structure in level ice and ridge ice action is adequate;
- 2) Validate/verify global ice loads on the structure.

The scope of work includes two main tasks:

1. Task 1 – Ice Model Testing of SLOWP Substructure Design(s)

This task includes the following activities:

- a. Planning and Test Programme Development:
 - i. Develop detailed ice testing programme and specifications.
 - ii. Define test conditions and scaling requirements.
- b. Model Preparation and Logistics:
 - i. Design, produce, and transport physical scale models.
- c. Execution of Ice Model Tests:
 - i. Conduct testing in ice basin facility.
- d. Analysis and Validation:
 - i. Analyse results and assess substructure performance.
- e. Reporting:
 - i. Factual reporting of the tests.

2. Task 2 – Ice Model Test Reporting and Design Integration Support

The aim of this task is to generate final report and delivery package to be used for UW-s own reporting and archiving purposes. Additionally, support for the design development is expected. This task includes the following activities:

- a. Document the basis of work, performed activities, main findings and recommended actions.
- b. Peer Review and Validation Support:
 - i. Facilitate independent peer review and incorporate feedback
- c. Data Management and Archiving:
 - i. Ensure proper storage and organisation of all modelling data and outputs.
- d. Integration and Collaboration:
 - i. Participate in workshops, meetings, and support design integration.

Qualification Requirements

Tenderer should meet the following qualification criteria:

- **Experienced team:** Demonstrated expertise in ice model testing for offshore applications.
- **Access to recognised ice testing facility:** Facility must be recognised by industry standard as suitable for the tested structure models.
- **Availability:** Availability to sign the contract by 30th of April 2026 and to complete the scope of work tasks by December 2028.

Evaluation criteria

- **Total Price and Quality of the proposal (30% Weight)**
 - The price proposal should present a total budget for Task 1 together with a clear and detailed breakdown of costs, and hourly price for possible additional works. (15% weight)
 - Commercial proposal for tasks under Task 2 (15% Weight):
- **Qualifications of the Tenderer (70% Weight)**
 - The evaluation will be based on the fitness of the demonstrated qualifications, experience and accessibility of ice model testing facility. More points will be awarded to experts having longer track record and higher number of realised offshore constructions which are considered as relevant experience for the SLOWP project. Additionally, more points will be awarded to the tenderer who has direct access/control over the ice model testing facility.

Proposal requirements

The proposal shall include:

- The list of similar offshore projects.
- A detailed price proposal, including breakdown on cost estimate components and the cost of possible foreseen additional works for:
 - Task 1:
 - Price estimate for developing ice testing programme
 - Price for ice model tests including the cost of the test model assuming:
 - Scale factor of 1:10 (for pricing purposes, real scale TBD during the works)
 - One ice sheet
 - Five testing days
 - Final reporting and data package delivery
 - Hourly rate for additional tasks
 - Work Package 2
 - Hourly rates (per discipline/task if variable)
 - Commercial conditions for availability and stand-by (if any).

Please note that Utilitas Wind OÜ reserves the right to adjust the final contractual scope of the works and/or define the price cap for the final contract. Additional design information such as design ice conditions, water depth and substructure type/details is available and will be provided after signing NDA.

Contact Information

All communication related to this tender shall be addressed to:

- Oliver Parmasto
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- +372 5620 2498

Submission Deadline

The Offer submission deadline is 24th of April 2026 at 11:00 (EET). Contract award is currently expected by 30th of April 2026, pending negotiations.