

Invitation to Tender

Saare-Liivi Offshore Wind Park Soil-Substructure Interaction analysis

Purpose of Tender

Utilitas Wind OÜ is pleased to announce the commencement of an open tender process for the provision of numerical modelling, analysis, and reporting services related to soil–substructure interaction (SSI) for the Saare-Liivi Offshore Wind Park (SLOWP).

The purpose of this procurement is to engage a qualified service provider to deliver advanced numerical analysis, design validation, and reporting support to ensure a robust and optimised substructure foundation solution, based on the latest geotechnical investigation data.

Scope of Work

The scope of work includes two main tasks:

1. Task 1 – Numerical Analysis of Soil–Substructure Interaction

This task includes the following activities:

- a. Definition of Input Parameters:
 - i. Define soil parameters based on the results of latest geotechnical investigation and laboratory test.
 - ii. Define modelling assumptions and basis.
- b. Numerical Modelling and Analysis:
 - i. Develop and execute advanced numerical SSI models.
- c. Documentation of findings:
 - i. Provide structured documentation of methodology, assumptions, and results.
 - ii. Assess the SSI in the analysed load cases.
 - iii. Propose improvements to substructure concept(s).

2. Task 2 – SSI Numerical Analysis Final Report Compilation 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. 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:

- **Experience:** Demonstrated expertise in GBS type of substructure design for offshore wind farm application, geotechnical engineering and SSI modelling over last 10 years.
- **Competent Team:** As a minimum, project team should possess the following key expertise:
 1. Experienced geotechnical engineer
 2. Experienced project manager
 3. Experienced analyst
- **Availability:** Availability to provide the services from August 2026 until December 2028.

Evaluation criteria

- **Total Price and Quality of the proposal (50% 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. (40% weight)
 - Commercial proposal for tasks under Task 2 (10% Weight):
- **Qualifications of Key Team Members (50% Weight)**
 - The evaluation will be based on the fitness of the demonstrated qualifications and experience of the key team members for both the SLOWP project development area and the design process. More points will be awarded to experts having longer track record and higher number of realised offshore constructions.

Proposal requirements

The proposal shall include:

- The list of similar offshore projects completed in the last ten (10) years.
- A detailed methodology description together with price proposal, including breakdown on cost estimate components and the cost of possible foreseen additional works for:
 - Task 1:
 - Assume GBS foundation.
 - Price estimate if a total of three iterations will be made where both substructure model and soil properties model may vary.
 - For each iteration a total of three limit states will be analysed in addition to the static load case (foundation settlement after installation and ballasting)
 - Bearing capacity calculation - only to determine the factor of safety for the analysed limit states.
 - Hourly rate for additional tasks
 - Work Package 2
 - Hourly rates (per discipline/task if variable)
 - Commercial conditions for availability and stand-by (if any).
 - Cost estimate of applicable fees related to travel. Assume monthly visit to Utilitas Wind OÜ offices in Tallinn, Estonia.

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.

Contact Information

All communication related to this tender shall be addressed to:

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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.