

K569-02 INVITATION TO TENDER - MIS
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1107304/5 OCEAN SPACE CENTRE

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PROJECT OCEAN SPACE CENTRE

MAIN INTERLOCK SYSTEM

INVITATION TO TENDER - MIS

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1 Information about the procurement and competition

1.1 Introduction and information about The Customer

Statsbygg is the Norwegian government's building commissioner, property manager and developer. We also advise the government in construction and property affairs.

The role of Statsbygg is to provide and maintain quality public facilities and workplaces for other state agencies, and also functions as an advisor during concept development and planning phases of certain projects.

Statsbygg, hereafter referred to as The Customer, would like to invite to a competition with negotiations (according to the Norwegian National procurement regulation "FOA Del III") related to Main Interlocking System (MIS) for The Norwegian Ocean Technology Centre (NOTC).

Information about contact persons for The Customer can be found in the Mercell portal, www.mercell.no.

1.2 Background

The NOTC is a new ocean technology centre planned for Trondheim. It will play an important role in creating future value in the ocean industries and make an important contribution to the transition to green technologies.

Amongst other things, the project includes laboratories with highly specialised equipment such as several large pools in which testing and research can be conducted for example, for wind turbines, fish cages, solar islands, and ships. NTNU and SINTEF will also have new workplace and educational facilities built.

The centre will replace the marine technology centre currently located in Tyholt and will also be establishing itself at Trondheim biological station in Heggdalen.

NOTC consist of following buildings:

- Tankhodet
- Kavitasjonslaboratoriet
- Professor Mørchs hus
- Arkimedes' hus
- Bassengbygget (translated to basin building)



Figure 1 Overview picture of NOTC

The MIS solution will only cover user equipment installed in Bassengbygget.

1.3 Rules and procedures in the competition

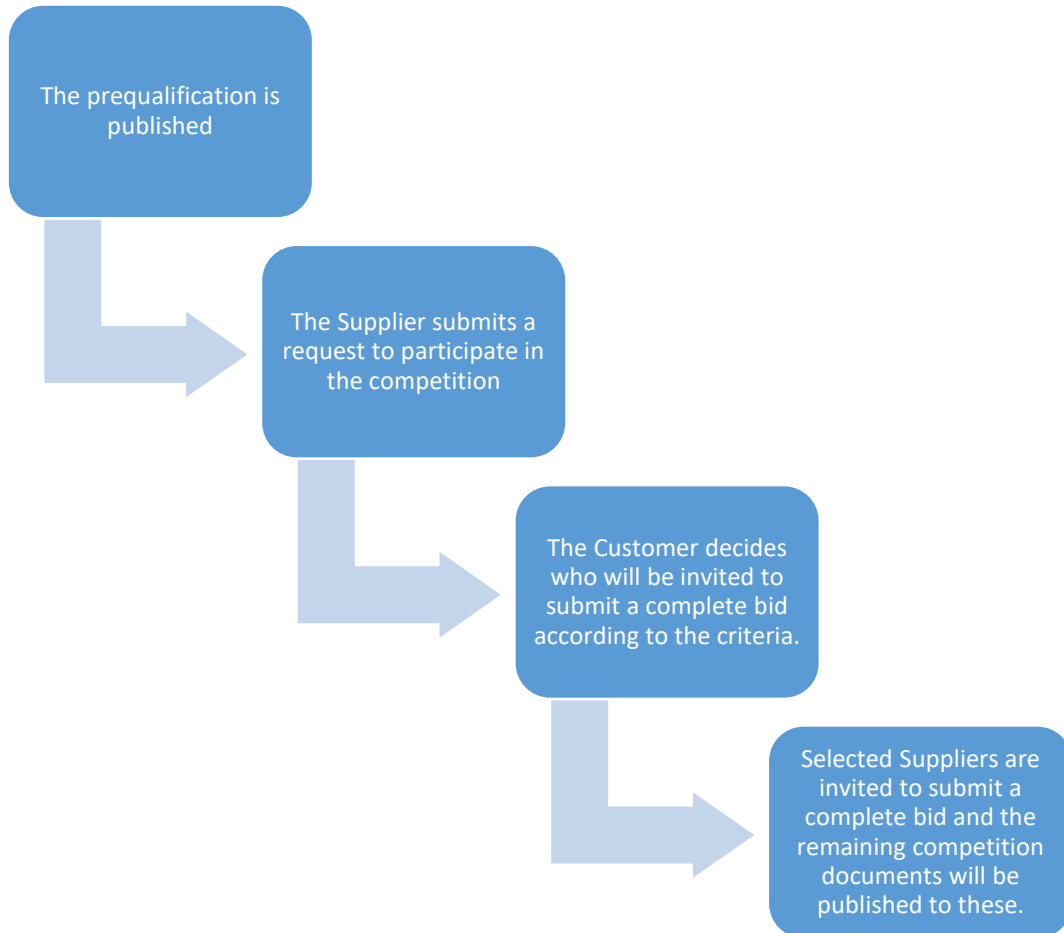
The procurement is covered by the Public Procurement Act of 17 June 2016 No. 73 (LOA) and regulations on public procurement of 12 August 2016 no. 974 (FOA) with any subsequent amendments. For this procurement parts I and III of the regulation apply.

This procurement follows the procedure of competition with negotiations in two stages. The customer selects which suppliers will be invited to submit offers from among those who meet the qualification requirements. When the offer is received, dialogue meetings (if needed), negotiations, and a final offer is submitted.

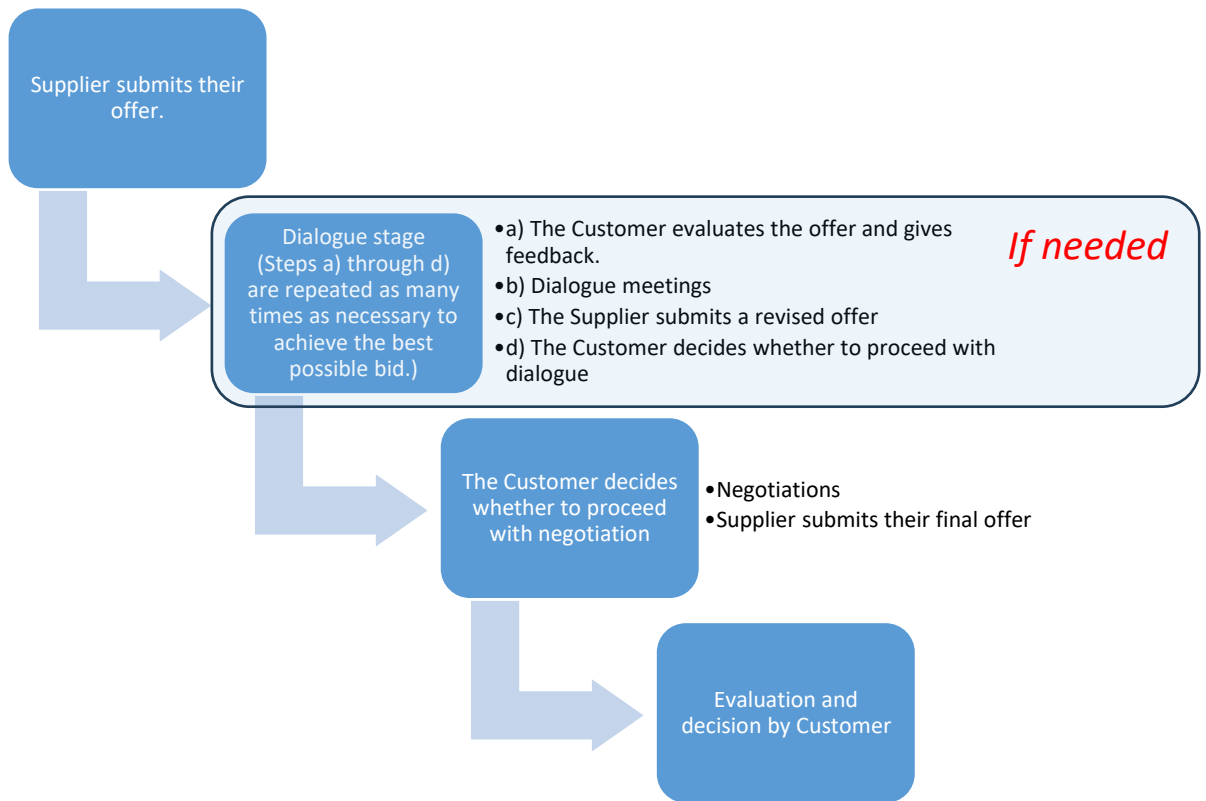
Some documents that form part of the complete competition basis will only be published to suppliers who are invited to submit an offer

1.3.1 Process overview

The qualification stage:



The bid stage:



1.4 Partial offers

Due to the holistic nature of the procured solution, partial offers will not be accepted.

1.5 The objective of the procurement

The User Equipment installed in Bassengbygget within NOTC incorporates their own internal safety mechanisms but overlap physically and operationally with each other within the building premises. Thus, a coordination and orchestration of operations to enhance overall safety, protect equipment, and prevent potentially hazardous situations is needed.

The Customer wants to procure a MIS system that integrates with all relevant User Equipment so that the sufficient level of coordination and orchestration is achieved.

1.5.1 Key Objectives

The Customer has defined a set of key objectives that will be used to focus and measure the implementation of the MIS system. These are:

Title	Objective	Measure
KO-1 - System Integration	Achieve full integration of the Main Interlock system with all relevant User Equipment.	Percentage of equipment successfully integrated and tested with the Main Interlock system
KO-2 - Coordination and Orchestration	Ensure effective coordination and orchestration of operations between different pieces of User Equipment.	Number of successful coordinated operations without conflicts or errors reported.
KO-3 - System Reliability	Ensure the reliability of the Main Interlock system under various operational conditions.	System uptime percentage and mean time between failures (MTBF).
KO-4 - User Training and Acceptance	Ensure that laboratory personnel are trained and confident in using the new Main Interlock system.	Number of training sessions conducted and user satisfaction scores from post-training surveys.
KO-5 - Scalability and Future Integration	Design the system to allow for future integration with additional equipment and scaling.	Ease of integration with new equipment and scalability testing results.

1.6 Contract standard

The contract terms will be regulated by "The Norwegian Government's Standard Terms and Conditions for IT Procurement SSA-T".

In addition, the latest version of the Norwegian State Standard Operations (SSA-D) agreement will be included in the appendixes as a baseline for discussing an operational contract for the period starting after system initial commissioning. Pricing for this optional operations agreement shall be added by the Supplier in the pricing table.

1.7 Contract duration

The agreement shall be valid from the signing date and for the duration of the building period of NOTC, including commissioning and systems acceptance including trial operations as per the principles set out in Statsbygg’s method of Systematic Completion. Currently the timeline for the NOTC building period sets the start of trial operations at Q1 2028.

1.8 Timeline

The following timeline is set for the competition.

Milestone / Phase	Date/Deadline
Evaluation of qualification requests are done, and The Customer has notified all applicants of the outcome. Qualified participants will receive the rest of the competition documentation.	2024-08-25
Deadline to submit an offer.	2024-09-19
Evaluation, negotiations, and revised offers.	From week 2024-39 to 2024-45
Notice to all participants on the choice of Supplier.	2024-11-22
End of quarantine period.	2024-12-2
Contract signing.	2024-12-03
The offer’s validity period.	3 months

Note: The dates after “Deadline to submit an offer” are tentative.

An extension of the offer validity period can only be done with the acceptance of the Supplier.

1.9 Rules for the commencement of the competition and bid requirements

1.9.1 Procedure

The procurement is conducted in accordance with the Public Procurement Act of June 17, 2016 (LOA) and the Public Procurement Regulations (FOA) FOR 2016-08-12-974, Part I and Part III. Contract award will be made following the procedure of competitive negotiation with prior publication, cf. § 13-1(2).

This competition begins with a qualification phase. Only the bidders who meet the qualification requirements and have been invited will be allowed to submit bids.

The Customer plans to invite five suppliers to submit bids. If more than five qualified suppliers request to participate in the competition, the contracting authority will select among these suppliers based on the selection criteria.

All invited bidders will have their bids evaluated. The bidders with the three best bids after the initial evaluation will be invited to negotiations. After the negotiations and any updated bids, the final evaluation of the three bids will be conducted, and the contract will be awarded. Please note that bids containing significant deviations from the procurement documents will be rejected in accordance with the Public Procurement Regulations § 24-8(1)b.

1.9.2 Wages and working conditions

The contract will contain requirements related to wages and working conditions. See appendix 06 Administrative provisions for more details.

1.9.3 Public access and confidentiality

The Public Access to Information Act applies to public access to documents related to a public procurement. The Customer and its employees are obligated to prevent others from gaining access to or knowledge of information about technical devices and procedures or operational and business conditions that it is competitively important to keep confidential, cf. FOA § 7-4, cf. the Public Administration Act § 13.

1.9.4 Changes to the competition basis

Any corrections, additions, or changes to the competition basis, as well as questions to the competition with anonymized answers, will be communicated to all suppliers that have registered their interest in the procurement in Mercell.

1.9.5 Additional information

If the Supplier finds that the competition basis does not contain sufficient or unclear information, they may ask for additional information from the Customer via Mercell.

If the Supplier discovers errors in the competition basis, the Customer asks that information about this is submitted through Mercell.

1.10 Communication, Submission of Qualification Documents

1.10.1 Submission Deadline

The documents must be in the possession of The Customer by no later than **September 19th 2024 at 12:00 PM**. Bid documents submitted after the deadline will be rejected. The supplier bears the risk of ensuring that the Documents are delivered on time.

1.10.2 Submission of the bid Documents

All bid documents must be submitted electronically via the Mercell portal, www.mercell.no, complete, and within the deadline. (The system does not allow submission of Documents electronically via Mercell after the deadline has passed.)

If you are not a user of Mercell, or have questions related to the functionality of the tool, such as how to submit Qualification Documents, please contact Mercell Support at tel. 21 01 88 60 or by email to: support@mercell.com.

It is recommended that the Documents be submitted well before the deadline expires, for example, at least 2 hours before the deadline. If additional information from The Customer arises or other circumstances lead you to want to modify your Documents before the deadline, you can access the Documents, make any changes, and resubmit until the deadline expires.

The Document requires an electronic signature upon delivery.

During the submission of the Documents, an electronic signature will be requested to confirm that the actual supplier has submitted the Documents. Electronic signatures can be obtained at www.commfides.com, www.buypass.no, or www.bankid.no.

Please note that it may take a few days to obtain an electronic signature, so start this process as soon as possible.

1.10.3 Preparation and Delivery of bid Documents

The bid Documents must be prepared in accordance with the guidelines provided in this document and its attachments.

1.10.4 Communication

All communication in the process should be conducted via the Mercell portal, www.mercell.no. This is to ensure that all communication is logged. When you are in the competition, you should select the "Communication" tab. Then click on the "New Message" icon in the menu bar. Enter information to The Customer and then click on the "Send" icon. The Customer will then receive your message. If the question concerns all suppliers, The Customer will answer this anonymously by providing the answer as additional information. Additional information is available under the "Communication" tab and then under the "Additional Information" sub-tab. You will also receive an email with a link to the additional information.

1.11 Changes in the competition Documents

The Customer may make changes that are not significant in the competition documents. Changes are communicated to all through Mercell.

The Customer may extend the deadline if changes come so late that it becomes difficult for suppliers to take this into account in their request.

2 Requirements to the Supplier

The requirements to the Supplier are laid out in the appendices accompanying these competition documents. The appendices contain questions that the Supplier shall answer, and pricing template to document Supplier calculated consideration.

This documentation will be used to evaluate the bids against the selection criteria.

3 Content requirements

A letter confirming the Supplier's enclosed bid, containing the following:

- Date
- Signature (signed by a person authorized to bind the Supplier, for example as specified in the company certificate)
- The company's name and registration number
- Name, phone number, and email address of the contact person.

Confirmation that the Supplier has answered the requirements from the Customer to the best of their ability, and that it represents their intentions to fulfill these obligations in the event the Contract is awarded to them.

4 Requirements for format and Submission of Participation Request

The request must be in writing and in Norwegian or English.

Documents must be delivered in Adobe PDF format or an editable version in MS Office format.

Text in PDF format document shall be selectable and copying of text shall be possible,

According to the Law on the Right to Access Documents in Public Enterprise (Public Access Act) § 23, the procurement protocol and incoming requests will be shielded from public access until a supplier is chosen. Thereafter, these documents are publicly available. However, exceptions from public disclosure for information that is subject to statutory confidentiality must be made. Typical information that may be confidential includes personal matters, and competitive business or operational conditions.

The Customer asks the supplier if there are any details in the request that the supplier considers confidential. If so, this should be duly indicated in the request, and a reason for the confidentiality must be provided. In such cases, suppliers are encouraged to submit two sets of requests. A redacted offer is placed in Mercell.

When a request for access is made, the Customer must still independently assess whether the information is of a nature that obliges the Customer to exempt it from publicity.

Brochures and other promotional materials should not be included in any part of the request.

5 The Customer's Handling of Requests for Participation

5.1 Rejection of Suppliers

The Customer shall reject a supplier according to Norwegian National procurement regulations FOA §§ 24-1 (1) and 24-2 (1) and (2):

- If the request to participate in the competition is delivered in violation of the communication medium requirements.
- If the request to participate in the competition is not received within the deadline (delivery after the deadline is not possible in Mercell)
- Who does not meet the qualification requirements.
- If The Customer is aware that the Supplier has not met its obligations to pay taxes, duties, and social security contributions in the state where it is established, or in Norway, and this has been established by a final court judgment or a final administrative decision, unless rejection would be clearly disproportionate.
- Where there is a conflict of interest that the Customer cannot remedy with less invasive measures
- Who has participated in the preparation of the competition and thereby obtained an unreasonable competitive advantage that cannot be remedied with less invasive measures.
- If the Customer is aware that the Supplier has been definitively convicted or has accepted a fine for participation in a criminal organization, corruption, fraud, terrorist acts, or criminal activities related to terrorist activity, money laundering or financing of terrorism, or child labor and other forms of human trafficking.
- Further, the Customer may reject suppliers for reasons mentioned in Norwegian National procurement regulations FOA §§ 24-1 (2) and 24-2 (3).
- Further, the Customer may reject a supplier if mandatory requirements are left unanswered or a non-compliant answer is submitted in their bid.

5.2 Selection of Suppliers

The Customer will invite at least 1 and no more than 5 of the qualified suppliers to submit bids, provided enough suppliers are qualified. The selection of suppliers will be based on the degree of fulfillment of the qualification requirements specified in the requirements table.

The following weighting will apply in the subsequent bid evaluation, including the Supplier's answers to the requirements:

Criteria	Weight	Documented by
Quality, with the following sub-criteria: Ability to execute the implementation measured against the Objectives. Relevant experience from similar deliveries. Functionality of the solution. Non-Functional (technical aspects) of the solution.	60%	The Supplier's answers to the requirements in the appendices.

Total price of the implementation as submitted in the pricing table.	40%	The Suppliers consideration in a 100% completed pricing table.
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The evaluation of suppliers will proceed as follows: suppliers are given a score for each qualification requirement on a scale from 1 to 10 where 10 is the best. Each of these scores is multiplied by the applicable weight.

5.3 Cancellation of the Competition

The Customer may cancel the competition if there is a valid reason, see in Norwegian National procurement regulations FOA § 25-4 (1).

5.4 Duty to Inform

The Customer shall provide a written notice with a brief explanation if:

- The bid is rejected or discarded.
- The Customer decides to cancel the competition.

6 Other Provisions

6.1 Confidentiality

The Customer and its employees are obligated by confidentiality rules to prevent others from accessing or knowing information about technical devices and procedures or operational and business conditions that it would be competitively significant to keep confidential, for the sake of the party concerned.

6.2 Impartiality

The rules on impartiality in the Administrative Procedures Act §§ 6 to 10 apply to this procurement.

6.3 Costs

Costs incurred by the Supplier in participating in the competition are of no concern to the Customer.

6.4 Names of parties and phases

The use of the names “Contractor” and “Supplier”, as well as “Bid” and “Tender” in the documents concerning this procurement may be used interchangeably and are synonymous with each other.

7 Documents

Below are the documents included in the competition. Note that some documents are made available after the qualification stage.

#	Name	Publication
00	00 Invitation to tender – MIS	Qualification stage
00	00 Invitation to prequalification	Qualification stage
01	01 Customer requirements specification	Bid stage
02	02 Contractor solution specification	Bid stage
03	03 Customer technical platform	Bid stage
04	04 Project and progress plan	Qualification stage
05	05 Testing and approval	Qualification stage
06	06 Administrative provisions	Qualification stage
07	07 Total price and pricing provisions	Qualification stage
08	08 Changes to the general contractual wording	Qualification stage
09	09 Changes subsequent to the conclusion of the Agreement	Qualification stage
10	10 Licence terms and conditions for standard software and free software	Qualification stage
15	Pricing_tables	Qualification stage
17	ssa-t_generell_avtaletekst_2018-english	Qualification stage
18	B-01-S-56-60-001 System diagram Automation control – and safety system OB	Bid stage
19	B-01-S-56-60-002 System diagram Automation control – and safety system SMB	Bid stage
20	OSC-30-SB-O-SD-00008 Grensesnittsbeskrivelse	Bid stage
21	OSC-30-H004-S-SP-00001_03_Requirements for Automation Control – and Safety Systems – User equipment	Bid stage
22	OSC-30-SB-S-LI-00001 - MIS Interlock Matrix	Bid stage
23	OSC-30-SB-Y-MA-00005 Statsbygg OSC HSWE plan	Qualification stage
24	OSC-30-SB-Y-MA-00004 Self-report by supplier	Qualification stage
26	OSC-80-SB-O-SD-00001_05 Requirements for supplier documentation including DFO	Qualification stage
27	OSC-80-SB-O-SD-00008 Strategy for Systematic Completion of BUT	Qualification stage
28	OSC-80-SB-Q-SD-00001_03_Administration Procedures Suppliers	Qualification stage
29	OSC-30-SB-Y-BES-00001 MIS Functional Description	Qualification stage
30	OSC-SB-O-SD-00010 Action Plan for Digitization	Qualification stage
31	ST-000611-3 NOTC HAZOP report incl. appendices	Bid stage

32	Systemskjema IKT	Bid stage
33	Systemskjema IKT rom HKR, OB og SMB	Bid stage
35	ssa-d_generell_avtaletkst_2018-english	Qualification stage