

Tank Thermal Energy Storage

Aalborg Forsyning

Orientation meeting

Orientation meeting January 7th 2022

Agenda

Welcome

Teddy Norre (Project manager), Aalborg Forsyning

Introduction to the project and the technical documents

Teddy Norre (Project manager), Aalborg Forsyning

Christian Teil Fyhn, Rambøll

Introduction to the tender procedure

Jan Severinsen, Aalborg Forsyning

Tank Thermal Energy Storage

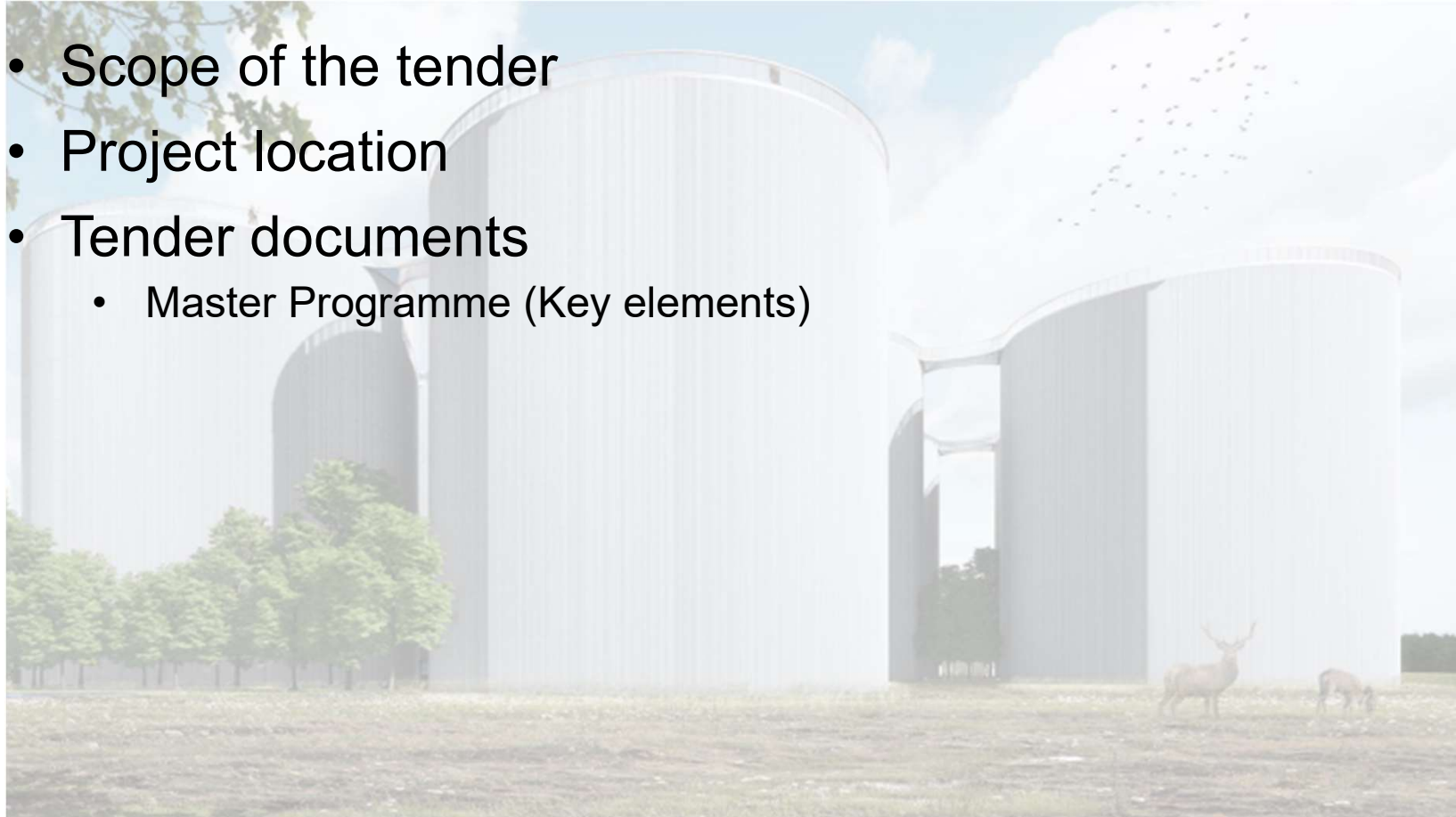
Aalborg Forsyning

Introduction to the project and the technical documents

Orientation meeting January 7th 2022

Agenda

- Scope of the tender
- Project location
- Tender documents
 - Master Programme (Key elements)



Scope of the tender

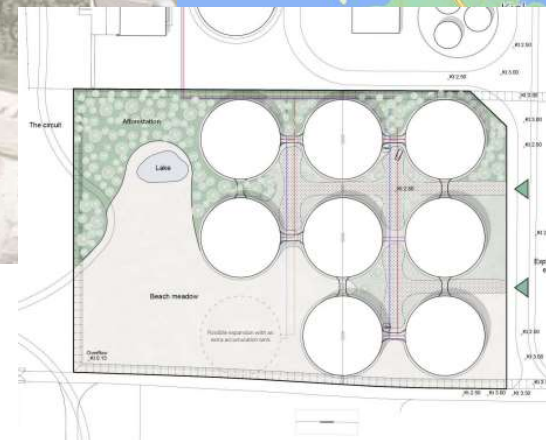
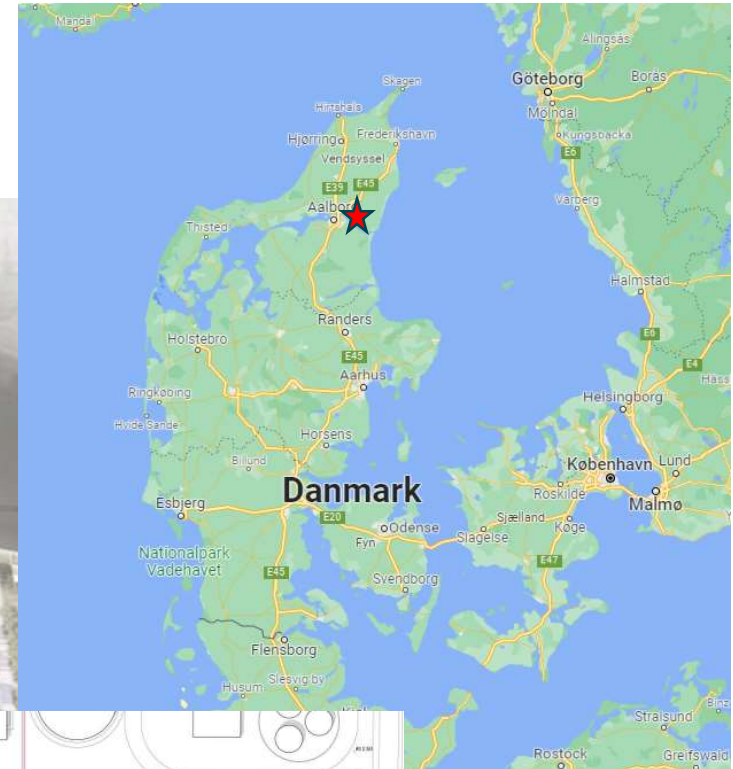
2 x 100.000 m³ Tank Thermal Energy Storage's – Divided into two Lots.

Each Lot includes complete detailed design and construction of the below amount of TTES' depending on sizes, as well as an option for one additional TTES.

	100,000 m ³		
	Tank type		
Number of tanks	25,000	33,000	50,000
2			X
3		X	
4	X		

Project location

➤ Nefovej 50 - 9310 Vodskov, Denmark



Overview Technical Tender documents (Extract Appendix I)

Appendix A: Scope of work and Technical specifications

- A1: General description
- A2: Technical description Tank Thermal Energy Storage
- A3: Master Program
- A4: HSE - Conditions for Health, Safety and the Environment
- A5: Environment and occupational health & safety – 2021
- A6: Site Construction Plan

Appendix C: Technical documentation

- C1: Geotechnical report
- C2,1 - Layout 8x25,000m³
- C2,2 - Layout 6x33,000m³
- C2,3 - Layout 4x50,000m³
- C3: PFD – Principle
- C4: Old TTES

Master Programme (Key elements)

The master programme illustrates the clients assessment on a realistic time schedule for the execution of the project, and includes the main tasks, which the client finds relevant for the project.

The master programme is hence not to be seen as a fixed time schedule.

The only fixed dates are the below ultimate deadlines:

Deadlines (Ultimative) - 100,000 M3 TTES Contract	Fri 20-12-24	Fri 18-12-26
First 50.000 m3 TTES ready for handover (Date fixed)	Fri 20-12-24	Fri 20-12-24
100.000 m3 TTES ready for handover (Date fixed)	Fri 18-12-26	Fri 18-12-26

Questions

Tank thermal energy storage – TTES

Introduction to the tender procedure

Orientation meeting on January 7, 2022

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Introduction to the tender procedure

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Introduction to the tender procedure

- The prequalification phase - in general

- Aalborg Forsyning has chosen to divide the contract into two completely identical lots. Each lot contain the delivery of TTES with a storage capacity of 100,000 m³, including an option for an additional tank. (The Tenderer can choose to submit tender for one or both lots depending on whether the Tenderer wishes to deliver half the project's capacity (100,000 m³) or deliver the project's full capacity (200,000 m³)).
- Notice that the project's full capacity of 200,000 m³ doesn't include the options for an additional tank.
- Note that Aalborg Forsyning expects to prequalify 5 Candidates in total for the two lots and not 5 Candidates for each lot. Hence, there will be only one round of prequalification that applies for both lots and the Candidate submits only one application for prequalification which applies to both lots.
- The 5 prequalified candidates will subsequently be invited to submit initial tender. An invitation to submit Initial Tender is an invitation to submit Initial Tender for both lots. The prequalified Candidate is then free to submit Tender for one lot if the prequalified Candidate wishes to deliver only half the storage capacity or both lots if the prequalified Candidate wishes to deliver the full storage capacity.

Introduction to the tender procedure

- The prequalification phase - in general

Deadline for submission of applications for prequalification is **19 January 2022**.

It is the sole responsibility of the Candidate to ensure timely upload of the application. **Please note that uploading can be time consuming.** The Candidate should therefore make sure that there is sufficient time to upload documents in a timely manner. This includes in good time before the deadline to make sure that the relevant links to Ethics in the Contract Notice actually work.

In case of any technical problems accessing or applying Ethics, the Candidate is encouraged to contact Ethics Support. **Ethics Support** can be contacted per phone: + 45 7022 7007 or per email: support@ethics.dk on weekdays from 09.00 – 16.00 CET.

Introduction to the tender procedure

- The prequalification phase - in general

Questions must be prepared in English and submitted in writing via Ethics.

The deadline for submission of questions relating to the prequalification is exceeded, but if you have any questions after this meeting, please submit them via Ethics and we will answer them if possible no later than 6 days before the deadline for submitting applications for prequalification, see section 2.5 in the Tender Conditions.

Note Aalborg Forsyning reserves the right not to answer questions regarding the tendering phase before the tendering phase begins.

Introduction to the tender procedure

- The prequalification phase - in general

The following documents from the tender material are especially relevant in the prequalification phase:

- I. The Contract Notice
 - Description of the procurement
 - The exclusion grounds
 - The minimum requirements for suitability
 - Objective criteria for choosing the limited number of candidates
- II. The Tender Conditions' section 2, including the following appendices:
 - Appendix II: The European Single Procurement Document (hereafter "the ESPD") (The application template in Ethics)
 - Appendix III: Guidelines on how to complete the ESPD (Here you will find details on how to fill out the ESPD)

Introduction to the tender procedure

- The prequalification phase - in general

- The following table contains all documents that form the basis of the assessment of the application for prequalification with information about the completion, use of template from Aalborg Forsyning, and if the reply is included in the assessment of the application for prequalification.

Tender document	To be completed by the Candidate	Using Aalborg Forsyning's template?	Included in the assessment
Contract Notice	No	No	No
Tender Conditions	No	No	No
Appendix III: ESPD Guidelines	No	No	No
ESPD Candidate	Yes	Yes	Yes
ESPD Supporting entities	Yes (if relevant)	Yes	Yes
ESPD Association of businesses	Yes (if relevant)	Yes	Yes

Introduction to the tender procedure

- Exclusion grounds

Contract notice, section VI.3) Additional information

In the **ESPD Part III.A-III.C**, the the candidate should inform whether the candidate is subject to the grounds for exclusion set out in sections 135(1)-(3), 136 and 137(1) No. (1) and (2) of the Danish Public Procurement Act.

If the candidate is subject to one or more of the grounds for exclusion set out in the above-mentioned sections (135(1)-(3), 136 and 137(1) No. (1) and (2)) of the Danish Public Procurement Act, the candidate will be excluded from participating in the tender procedure, unless the candidate provides sufficient proof of the candidate's reliability, see section 138 of the Danish Public Procurement Act.

Introduction to the tender procedure

- Requirements for suitability

Contract notice, section III.1.2) Economic and financial standing

In the **ESPD Part IV.B**, the candidate should list the following information regarding economic and financial standing:

- 1) The candidate's **solvency ratio** in the last finished and audited financial year
- 2) The candidate's **yearly turnover** in each of the last 3 finished and audited financial years

Introduction to the tender procedure - Requirements for suitability

Contract notice, section III.1.2) Economic and financial standing

Minimum requirements regarding economic and financial standing is:

- 1) It is a minimum requirement that the candidate has **a solvency ratio of at least 18 %** in the last finished and audited financial year.
- 2) It is a minimum requirement that the candidate has an **average yearly turnover of at least DKK 50 million** in the last 3 finished and audited financial years

Introduction to the tender procedure - Requirements for suitability

Contract notice, section III.1.3) Technical and professional ability

In the **ESPD Part IV.C**, the candidate should list the following information regarding technical and professional ability:

- The candidate's **most significant references** carried out **within the past 10 years** calculated from the deadline for submission of the applications for prequalification
- Each reference should preferably include the following information:
 - A description of the delivery, including the role and responsibility of the candidate
 - The contract sum
 - The start and end date of the contract
 - The contracting party, including the contracting party's contact information

The candidate can submit a **maximum of 5 references**. If the candidate submits more than 5 references, only the first 5 references will be taken into account. This applies regardless of whether the candidate participates solely, as a consortium or relies on the technical and professional ability of other entities.

Introduction to the tender procedure

- Requirements for suitability

Contract notice, section III.1.3) Technical and professional ability

Minimum requirements regarding technical and professional ability:

- It is a minimum requirement that the candidate within the past 10 years calculated from the deadline for submission of the application for prequalification has a **minimum of 1 comparable references** regarding a storage tank of at least 5,000 m³ capacity. **By comparable reference** is meant that the reference includes insulated steel tanks welded together by steel plates on site.

Introduction to the tender procedure - selection

Aalborg Forsyning expects to prequalify 5 Candidates

If more than 5 Candidates fulfils the minimum requirements in section III.1.2) and section III.1.3) of the Contract Notice and is not subject to the grounds for exclusion in section VI.3) of the Contract Notice, Aalborg Forsyning will select and prequalify the 5 most suitable Candidates in accordance with the selection criteria as set out in section II.2.9) of the Contract Notice.

The prequalified 5 Candidates will subsequently be invited to submit Initial Tender.

Introduction to the tender procedure - selection

Contract notice, section II.2.9) Information about the limits on the number of candidates to be invited

Objective criteria for choosing the limited number of candidates:

- The candidates with the most relevant references compared to the project put out for tender, see section II.2.4).

The following scale of relevance will apply: 1: Not applicable 2: Less relevant 3: Relevant, 4: Very relevant, 5: Extremely relevant

- In the assessment of the references, experience with the following will be weighted positive:

It will be weighted positively if the references shows experience with TTES for district heating water and the tanks have a size that corresponds to the tender description. In the assessment the following will be attached positive significance in order of priority:

1. References that shows experience with TTES for district heating water
2. References that shows experience with TTES at a size that corresponds to the tender description
3. References that shows experience with oil tanks.

- Only references which have been carried out within the past 10 years calculated from the deadline for submission of applications for prequalification will be considered.

Introduction to the tender procedure - the application

As the application for prequalification, the Candidate should submit a completed ESPD in which the Candidate confirms to comply with the minimum requirements for suitability in section III.1.2) and section III.1.3) of the Contract Notice and not to be subject to the grounds for exclusion in section VI.3) of the Contract Notice.

If the Candidate relies on other entities' economic and financial standing and/or technical and professional ability, the entities on whom the Candidate relies should also submit a completed ESPD.

If the Candidate participates in the tender procedure as an association of businesses, e.g. as a consortium, all businesses in the consortium should submit a completed ESPD.

Introduction to the tender procedure - the application

The ESPD must be completed in English or Danish, see section I.V.2.4) of the Contract Notice.

Guidelines on how to complete the ESPD is attached as Appendix III to the Tender Conditions.

Introduction to the tender procedure

Questions?