

## Protokoll fört vid enskild föredragning

Infrastrukturavdelningen, I1  
Allmänna byrån

Beslutande  
Minister  
Alfons Röblom

Föredragande  
Energisamordnare  
Ralf Häggblom

Justerat  
Omedelbart

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### Nr 11

Beställande av undersökningsrapport från VTT  
ÅLR 2021/3156

#### Beslut

Landskapsregeringen godkänner VTT:s offert för undersökning av isläget på energiområdena och dess påverkan på uppförande av vindkraftverk, enligt offerten, med kostnader som inte överstiger 35.000 euro.

Utgifterna hör till utförandet av projekt Sunnavind, projekt 9512, budgetkonto 72000.

#### Motivering:

Uppdraget direktupphandlats av VTT, som sedan 1990-talet utrett isförhållanden och isens påverkan på havsbaserad vindkraft i Finlands havsområden. VTT har även utfört de islägesundersökningar som gjorts för en av de havsvindkraftsparkerna som senast tagits i drift, Kriegers Flak i Danmark (forskningsartikel om studien i bilaga I122E09). VTT har unik spetskompetens att leverera en helhetsanalys i ärendet. VTT är ett oberoende forsknings- och undersökningsbolag som ägs av finska staten.

Enligt Ålands landskapsregerings beslut (Åfs 2019:113) gällande vissa upphandlingar kan landskapsregeringen direktupphandla tjänster om värdet på upphandlingen understiger 50 000 (5 § 1 mom. 1 punkten).

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Bilaga I122E09

# Estimating ice conditions and ice-related challenges for offshore wind farms in Åland

Ålands landskapsregering/  
Government of Åland  
Ralf Häggblom  
PB 1060  
AX-22111 MARIEHAMN



beyond the obvious



Dear Ralf Häggblom,

Thank you for your interest in our offering. VTT is happy to resolve your challenges and we offer to carry out the project as described in the attached Project Plan.

## 1. Project description

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VTT is prepared to carry out the project to meet your expectations. VTT's scope of supply includes the following tasks:

- Ice condition analysis
- Ice loads and structural solutions

A detailed project description is presented in the Project Plan (Annex 2).

## 2. Price and payment

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The price of the Project is 25 200.00 €. Value Added Tax (VAT) and possible taxes and fees imposed by authorities outside of Finland shall be added to the price.

In addition, reasonable expenses for travelling, including but not limited to flight, bus, train tickets, accommodation expenses and daily allowance shall be added to the price with an additional 10% handling fee.

VTT will invoice 50% of the price of the Project on the effective date of the Contract. Remainder of the price of the Project will be invoiced after final report and/or all deliverables have been delivered to the customer.

The Project shall be invoiced according to the following schedule

Invoicing date or milestone	Amount
Payment on the effective date of the Contract	12 600.00 €
Final report has been sent to the customer	12 600.00€
Total	25 200.00€

Cost of materials and services purchased by the project shall be added to the price with an additional 20% handling fee.

Overtime and weekend work shall be separately priced and agreed upon.



### 3. Terms of payment

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Invoices shall be paid within 21 days of the date of the invoice. Interest on overdue payments shall be charged in accordance with the Finnish Interest Act (633/1982, as amended).

### 4. Schedule

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The Project shall be carried out according to the timetable in the Project Plan (Annex 2). Other project schedule can be agreed separately.

### 5. Reporting

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The Foreground is reported as a confidential VTT's customer report in English.

### 6. Other conditions

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VTT has a right to mention the Project and the name of the Client as a reference.

This offer is confidential, and the information contained in it can be used only in the relationship between VTT and the recipient of the offer. Copying, modification, transfer or use of this offer, in whole or in part, for any other purpose is forbidden without VTT's permission.

Work done outside the scope of the Project shall be charged separately according to the invoicing prices of VTT.

In addition, the VTT General Terms of Contract 1.9.2019 will apply to the Project (Annex 1)

### 7. Contact person

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The contact person of VTT in the Project is: Research Team Leader Maria Tikanmäki

Tel. + 358 40 527 9359

E-mail: [maria.tikanmaki@vtt.fi](mailto:maria.tikanmaki@vtt.fi)



## 8. Validity

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Our offer is valid subject to the above-mentioned terms for a period of 30 days from the date of the offer. VTT shall prepare a confirmation of order if the order differs from the offer or if the order is made orally. In these cases, the order will come into effect after VTT has confirmed it. In case the Client proposes changes to the terms of this offer, the price shall be adjusted accordingly.

## 9. Annexes

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Annex 1. VTT General Terms of Contract (1.9.2019)

Annex 2. Project Plan

## 10. Signatures

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**VTT TECHNICAL RESEARCH CENTRE OF FINLAND LTD**

Date:

Signature:

Name:

Title:



## 11. Acceptance

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The Client hereby accepts the above offer and hereby orders the Project in accordance with the offer.

### NAME OF THE COMPANY CLIENT

Date:

Signature:

Name:

Title:

Date:

Signature:

Name:

Title:



**VTT is a visionary research, development and innovation partner.**

**We drive sustainable growth and tackle the biggest global challenges of our time, and turn them into growth opportunities. We go beyond the obvious to help the society and companies to grow through technological innovations.**

**We have almost 80 years of experience of top-level research and science-based results.**

**VTT is at the sweet spot where innovation and business come together.**