

115979-2026 - Competition

Finland – Data-processing machines (hardware) – LUMI-IQ Quantum Computing Platform
OJ S 34/2026 18/02/2026
Contract or concession notice – standard regime
Supplies

1. Buyer

1.1. Buyer

Official name: CSC - IT Center for Science Ltd

Email: kirjaamo@csc.fi

Legal type of the buyer: Body governed by public law, controlled by a central government authority

Activity of the contracting authority: General public services

2. Procedure

2.1. Procedure

Title: LUMI-IQ Quantum Computing Platform

Description: The LUMI-IQ quantum computing platform will include an initial installation of an on-premises gate-based quantum computing system, followed by series of upgrades installed in multiple phases, which the chosen Tenderer will commit to. The nature of upgrades can tentatively be hardware and/or software, and these will be specified in more detail in the second phase of the procurement. The upgrades are meant to keep the system viable during its lifetime and they will have to positively impact the performance of the platform and/or add novel features. The planned platform and upgrades should represent as performant technology as possible, based on up-to-date hardware and/or software components, available for the chosen quantum computing architecture at the time of delivery. The initial systems should provide at least 50 physical qubits, supporting at least the Qiskit open-source SDK. Hardware native gates must form universal gate set. The members of the LUMI-IQ consortium are CSC - IT CENTER FOR SCIENCE LTD, Finland, (Coordinator), VSB - TECHNICAL UNIVERSITY OF OSTRAVA Czechia, (IT4I) (Partner), SIGMA2 AS, Norway (Partner) and ACADEMY GORNICZO-HUTNICZA IM. STANISLAWA STASZ, Poland (Partner). The LUMI-IQ Quantum Computing Platform setup will be procured by the LUMI-IQ consortium lead by CSC and owned by the LUMI-IQ consortium members in proportion to their financial contribution to the purchase of the Quantum Computer. The estimate value of the procurement (excluding taxes) is EUR 25,000,000 - 33,000,000, including turnkey solution quantum computer platform/systems and software upgrades.

Procedure identifier: e05630da-b07a-40a6-aa92-4433413ac95b

Internal identifier: 579759

Type of procedure: Negotiated with prior publication of a call for competition / competitive with negotiation

The procedure is accelerated: no

Main features of the procedure: The procurement will be conducted using negotiated procedure. The procurement is carried out in accordance with Act on Public Procurement in the Fields of Defence and Security (1531/2011) as it contains confidential information. The call for tenders will contain confidential information regarding security of supply and information security. Negotiated procedure consists of two (2) phases. In the first phase, Candidates will

submit their Requests to Participate. Up to three (3) Candidates that meet the eligibility requirements will be accepted to the next phase. In the second phase, chosen Candidates (now Tenderers) will be sent preliminary call for tenders. One (1) negotiation round will be held with each of the chosen Tenderers, with CSC reserving the right hold additional negotiation rounds. Finally, the final call for tenders will be sent to the Tenderers. No compensation will be paid to companies for preparing an application to participate, a preliminary tender, a final tender or for presenting or taking part in the negotiations. Please see Grounds for Rejection for further information regarding Candidate selection. As a result of this procurement process, CSC will award the procurement contract to one (1) Tenderer. CSC may suspend the procurement procedure, in full or in part, for a real and legitimate reason (section 75 of the Act on Public Procurement in the Fields of Defence and Security).

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 30210000 Data-processing machines (hardware)

Additional classification (cpv): 72000000 IT services: consulting, software development, Internet and support, 73000000 Research and development services and related consultancy services

2.1.2. Place of performance

Country subdivision (NUTS): Kainuu (FI1D8)

Country: Finland

2.1.4. General information

Legal basis:

Directive 2009/81/EC

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1. Lot: LOT-0000

Title: LUMI-IQ Quantum Computing Platform

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(excluding taxes) is EUR 25,000,000 - 33,000,000, including turnkey solution quantum computer platform/systems and software upgrades.

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5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 30210000 Data-processing machines (hardware)

Additional classification (cpv): 72000000 IT services: consulting, software development, Internet and support, 73000000 Research and development services and related consultancy services

5.1.2. Place of performance

Country subdivision (NUTS): Kainuu (FI1D8)

Country: Finland

5.1.3. Estimated duration

Other duration: Unknown

5.1.4. Renewal

Maximum renewals: 0

5.1.6. General information

Reserved participation:

Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

This procurement is also suitable for small and medium-sized enterprises (SMEs): yes

5.1.7. Strategic procurement

Social objective promoted: Fair working conditions

5.1.9. Selection criteria

Sources of selection criteria: Procurement Document

Information about the second stage of a two-stage procedure:

Maximum number of candidates to be invited for the second stage of the procedure: 3

5.1.10. Award criteria

Criterion:

Type: Quality

Name: Laatu

Description: Laatu

5.1.11. Procurement documents

Deadline for requesting additional information: 25/02/2026 14:00:00 (UTC+00:00) Western European Time, GMT

Address of the procurement documents: <https://tarjouspalvelu.fi/csc?id=579759&tpk=7be9ecc9-0942-4236-a98e-ece6a3de7e84>

5.1.12. Terms of procurement

Terms of submission:

Obligatory indication of subcontracting: The share of the contract that the tenderer intends to subcontract

Electronic submission: Required

Address for submission: <https://tarjouspalvelu.fi/csc?id=579759&tpk=7be9ecc9-0942-4236-a98e-ece6a3de7e84>

Languages in which tenders or requests to participate may be submitted: English

Tenderers may submit more than one tender: Not allowed

Deadline for receipt of requests to participate: 19/03/2026 14:00:00 (UTC+00:00) Western European Time, GMT

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: No

Conditions relating to the performance of the contract: Tarjouspyynnön ja tarjouksen perusteella

A non-disclosure agreement is required: yes

Financial arrangement: Konsortio, maksu sopimuksen mukaisesti

Subcontracting:

The contractor must indicate any change of subcontractors during the execution of the contract.

5.1.15. Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: Markkinaoikeus

Information about review deadlines: Aikaisintaan 21 päivän kuluttua siitä, kun ehdokas tai tarjoaja on saanut tai hänen katsotaan saaneen päätöksen ja valitusosoituksen tiedoksi

8. Organisations

8.1. ORG-0001

Official name: CSC - IT Center for Science Ltd

Registration number: 0920632-0

Postal address: P.O.Box 405 (Keilaranta 14)

Town: Espoo

Postcode: 02101

Country subdivision (NUTS): Helsinki-Uusimaa (FI1B1)

Country: Finland

Contact point: kirjaamo@csc.fi

Email: kirjaamo@csc.fi

Telephone: +358 94572001

Internet address: <https://www.csc.fi/>

Roles of this organisation:

Buyer

8.1. ORG-0002

Official name: Markkinaoikeus

Registration number: 3006157-6

Postal address: Radanrakentajantie 5

Town: Helsinki

Postcode: 00520

Country subdivision (NUTS): Helsinki-Uusimaa (FI1B1)

Country: Finland

Email: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

Roles of this organisation:

Review organisation

8.1. ORG-0003

Official name: Hansel Oy (Hilma)

Registration number: FI09880841

Postal address: Mannerheiminaukio 1a

Town: Helsinki

Postcode: 00100

Country subdivision (NUTS): Helsinki-Uusimaa (FI1B1)

Country: Finland

Contact point: eSender

Email: tekninen@hankintailmoitukset.fi

Telephone: 029 55 636 30

Internet address: <http://hankintailmoitukset.fi>

Roles of this organisation:

TED eSender

Notice information

Notice identifier/version: fb0980ab-3ae9-42e1-abd6-5333676f97bf - 01

Form type: Competition

Notice type: Contract or concession notice – standard regime

Notice subtype: 18

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