

Finland-Espoo: Electron microscopes
OJ S 42/2023 28/02/2023
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: VTT Technical Research Centre of Finland Ltd

National registration number: 2647375-4

Postal address: P.O. Box 1000, VTT

Town: Espoo

NUTS code: FI1 Manner-Suomi

Postal code: 02044

Country: Finland

E-mail: kilpailutus@vtt.fi

Telephone: +358 20722111

Internet address(es):

Main address: <https://www.vttresearch.com/en>

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Other activity: Research and development

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

A combined focused-ion beam / scanning electron microscope FIB-SEM

II.1.2. Main CPV code

38511000 Electron microscopes

II.1.3. Type of contract

Supplies

II.1.4. Short description

The object of the tender process was a combined focused-ion beam / scanning electron microscope (FIB-SEM) equipped with field-emission gun (FEG) electron source, state-of-the-art detector system, and equipment suitable for materials in-situ testing inside the microscope chamber (later also "Equipment").

A combined focused-ion beam / scanning electron microscope (FIB-SEM) equipped with field-emission gun (FEG) electron source, state-of-the-art detector system, and equipment suitable for materials in-situ testing inside the microscope chamber. The electron beam should operate flexibly from 0.5 kV to 30 kV with reasonable beam currents for analyses. The ion beam system

should operate similarly in a flexible manner up to 30 kV and provide adequate resolution and milling rates for the materials, which are mainly steels. Automated ion milling software should be included with possibilities to perform 3D examinations and to pre-fabricate specimens for high-end techniques such as Atom Probe Tomography (APT) and Transmission Electron Microscopy (TEM). The FIB-SEM system should provide fast high-quality detectors for the techniques that are mostly applied: Energy Dispersive X-ray Spectroscopy (EDS), Electron Backscatter Diffraction (EBSD), and Electron Channeling Contrast Imaging (ECCI) investigations.

The technical specification of the equipment and the tender process to be supplied was discussed in more detail in the invitation to tender documents.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 1 392 000,00 EUR

II.2. Description

II.2.3. Place of performance

NUTS code: FI1 Manner-Suomi

II.2.4. Description of the procurement

The object of the tender process was a combined focused-ion beam / scanning electron microscope (FIB-SEM) equipped with field-emission gun (FEG) electron source, state-of-the-art detector system, and equipment suitable for materials in-situ testing inside the microscope chamber (later also "Equipment").

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II.2.5. Award criteria

Quality criterion - Name: Technical features / Weighting: 40

Quality criterion - Name: Delivery time / Weighting: 10

Price - Weighting: 50

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2022/S 197-558521](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Title:

A combined focused-ion beam / scanning electron microscope FIB-SEM

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

23/12/2022

V.2.2. Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 1

Number of tenders received by electronic means: 2

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: Finfocus Oy

National registration number: 2102949-4

Town: Helsinki

NUTS code: FI1 Manner-Suomi

Country: Finland

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 1 392 000,00 EUR

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Markkinaoikeus

Postal address: Sörnäistenkatu 1

Town: Helsinki

Postal code: 00580

Country: Finland

E-mail: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

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

VI.5. Date of dispatch of this notice

23/02/2023