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Contract

Dual-growth chamber Molecular Beam Epitaxy System (2 Lots)

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2025/S 000-062197

Procurement identifier (OCID): ocids-h6vhtk-04dd08

Published 3 October 2025, 2:29pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

Firth Court, Western Bank

Sheffield

S102TN

Contact

David Middle

Email

dave.middle@sheffield.ac.uk

Telephone

+44 1142221560

Country

United Kingdom

Region code

UKE32 - Sheffield

Charity Commission (England and Wales)

X1089

Internet address(es)

Main address

<https://sheffield.ac.uk/>

Buyer's address

<https://in-tendhost.co.uk/sheffield.aspx/Home>

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Dual-growth chamber Molecular Beam Epitaxy System (2 Lots)

Reference number

4420/DM/25

II.1.2) Main CPV code

- 31712000 - Microelectronic machinery and apparatus and microsystems

II.1.3) Type of contract

Supplies

II.1.4) Short description

The EPSRC National Epitaxy Facility (NEF) based at the University of Sheffield has been providing bespoke semiconductor wafers to academia and industry for 45 years. It is a unique world-class centre combining technical excellence and expertise with state-of-the-art epitaxy and material characterization equipment.

We are looking to further enhance our capability provision to the UK semiconductor community, by investing in a new linked dual-chamber Molecular Beam Epitaxy (MBE) System for arsenides/phosphides and arsenides/antimonides growth that is fully automated, capable of 24/7 operation, reliable, and resource-efficient allowing further expansion in the

future.

II.1.6) Information about lots

This contract is divided into lots: Yes

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £5,582,402

II.2) Description

II.2.1) Title

MBE System

Lot No

1

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

The University of Sheffield

School of Electrical & Electronic Engineering (National Epitaxy Facility)

II.2.4) Description of the procurement

The system is replacing two existing VG reactors capable of 4" wafer growth of high-quality arsenides/phosphides and arsenides/antimonides, and should offer higher throughput

thanks to automation of growth recipes for 24/7 operation, and integrated solutions allowing maintenance of critical components (such as ion gauges, cells) without breaking chamber vacuum.

II.2.5) Award criteria

Quality criterion - Name: Quality & Technical / Weighting: 80

Price - Weighting: 20

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender documents

II.2) Description

II.2.1) Title

In-situ monitoring equipment

Lot No

2

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

The University of Sheffield

School of Electrical & Electronic Engineering (National Epitaxy Facility)

II.2.4) Description of the procurement

As described within the tender documents

II.2.5) Award criteria

Quality criterion - Name: Quality & technical / Weighting: 80

Cost criterion - Name: Cost / Weighting: 20

II.2.11) Information about options

Options: Yes

Description of options

As described within the tender documents

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

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: [2025/S 000-004262](#)

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

The contracting authority will not award any further contracts based on the above prior information notice

Section V. Award of contract

Contract No

4420/DM/25

Lot No

1

Title

MBE System

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

4 September 2025

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

DCA Instruments Oy

Aerotie 6

Turku

20360

Country

Finland

NUTS code

- FI - Finland

Companies Register

0773956-1

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Total value of the contract/lot: £4,878,210

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Sheffield

Sheffield

Country

United Kingdom