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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): ocds-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](mailto: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

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## **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

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## 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

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## 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

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## **Section VI. Complementary information**

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

University of Sheffield

Sheffield

Country

United Kingdom