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Contract

## **NMIS Power Electronics Advanced Packaging Semiconductor Facility, dedicated die bonding, wire bonding, and encapsulation equipment.**

University of Strathclyde

F03: Contract award notice

Notice identifier: 2024/S 000-020273

Procurement identifier (OCID): ocds-h6vhtk-03f66f

Published 3 July 2024, 12:52pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

University of Strathclyde

McCance Building, 16 Richmond Street

Glasgow

G1 1QE

#### **Email**

[jen.robertson@strath.ac.uk](mailto:jen.robertson@strath.ac.uk)

#### **Telephone**

+44 7811592949

#### **Country**

United Kingdom

**NUTS code**

UKM82 - Glasgow City

**Internet address(es)**

Main address

<http://www.strath.ac.uk/>

Buyer's address

[https://www.publiccontractsscotland.gov.uk/search/Search\\_AuthProfile.aspx?ID=AA00113](https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113)

**I.2) Information about joint procurement**

The contract is awarded by a central purchasing body

**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**

NMIS Power Electronics Advanced Packaging Semiconductor Facility, dedicated die bonding, wire bonding, and encapsulation equipment.

Reference number

UOS-29902-2023

#### **II.1.2) Main CPV code**

- 31712330 - Semiconductors

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

NMIS is in the process of expanding its manufacturing capability into the semiconductor advanced packaging area with specific focus on power electronic semiconductors. To support this expansion, NMIS intends to procure equipment that is flexible to support a wide variety of power electronic semiconductor designs and packaging requirements. The initial focus will be procuring equipment to support die bonding, wire bonding and encapsulation and associated ancillaries required.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

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

Value excluding VAT: £1,963,564

### **II.2) Description**

#### **II.2.2) Additional CPV code(s)**

- 31710000 - Electronic equipment

#### **II.2.3) Place of performance**

NUTS codes

- UKM82 - Glasgow City

#### **II.2.4) Description of the procurement**

NMIS is in the process of expanding its manufacturing capability into the semiconductor advanced packaging area with specific focus on power electronic semiconductors. To support this expansion, NMIS intends to procure equipment that is able to support a wide variety of power electronic semiconductor designs and packaging requirements.

The concept design for the facility includes provision of equipment that is sufficiently flexible to support a wide variety of power electronic semiconductor designs and packaging requirements. The items procured will enable NMIS to set up a research facility for developing and scaling-up advanced packaging capabilities for power electronic semiconductors. The overall facility will have capability to prepare, dice/cut, bond, interconnect, package and test semiconductor products that are part of the power electronics sector. These stages will be carried out across dedicated research and development cells.

The initial focus will be procuring equipment as a 3 cell solution as Cell 6, Cell 7 and Cell 8 of a production line to support die bonding, wire bonding and encapsulation and associated ancillaries required. The University is seeking a supplier to supply, deliver and commission all of the equipment to provide the following overall capability:

Cell 6: Die Attach

- Automatic die bonding
- Vacuum oven curing
- Plasma cleaning

Cell 7: Interconnection

- Multi-head wire bonding
- Ultrasonic bonding

Cell 8: Encapsulation

- Overmoulding
- Dam and fill encapsulation

- Oven curing

### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

### **II.2.11) Information about options**

Options: Yes

Description of options

The Contracting Authority reserves the right to request additional deliveries by the Successful Tenderer, either intended as partial replacement of suppliers or installations or as extensions of existing supplies and installations.

### **II.2.13) Information about European Union Funds**

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

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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: [2023/S 000-037383](#)

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## **Section V. Award of contract**

### **Contract No**

UOS-29902-2023

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

24 June 2024

#### **V.2.2) Information about tenders**

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 1

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

#### **V.2.3) Name and address of the contractor**

Accelonix

Station Works, Station Road

Linton

CB21 4NW

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

Yes

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

Total value of the contract/lot: £1,963,564

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## **Section VI. Complementary information**

### **VI.3) Additional information**

(SC Ref:771258)

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

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

Glasgow Sheriff Court

0/1 201 Netherton Road

Glasgow

G13 1B

Country

United Kingdom

#### **VI.4.3) Review procedure**

Precise information on deadline(s) for review procedures

An economic operator that suffers, or risks suffering, loss or damage attributable to a breach of duty under the Public Contracts (Scotland) Regulations

2015(SSI2015/446) (as amended) may bring proceedings in the Sheriff Court or the Court of Session.