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Contract

## **3330/JN - Direct Air CO2 Capture (DAC) System**

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2022/S 000-036549

Procurement identifier (OCID): ocds-h6vhtk-033679

Published 23 December 2022, 1:30pm

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

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

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

#### **Contact**

James Noble

#### **Email**

[james.noble@sheffield.ac.uk](mailto:james.noble@sheffield.ac.uk)

#### **Country**

United Kingdom

#### **Region code**

UKE32 - Sheffield

**Companies House**

RC000667

**Internet address(es)**

Main address

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

**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**

3330/JN - Direct Air CO2 Capture (DAC) System

Reference number

3330/JN

**II.1.2) Main CPV code**

- 42900000 - Miscellaneous general and special-purpose machinery

**II.1.3) Type of contract**

Supplies

**II.1.4) Short description**

With funding from the European Regional Development Fund the University of Sheffield is looking to procure a Direct Air CO2 Capture (DAC) capture system. This system

represents the next generation technology which will complement our existing research capabilities in low carbon power generation and applications in energy/CO2 intensive industries, as well as opportunities for the development of carbon capture and utilisation technologies and applications. It is envisaged that the new DAC CO2 capture system will provide a platform to aid product development and innovation, and systems integration across a wide range of research activities.

#### **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: £551,250

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

#### **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

Translational Energy Research Centre (TERC), Sheffield Business Park, Europa Avenue, S9 1ZA

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

With funding from the European Regional Development Fund the University of Sheffield is looking to procure a Direct Air CO2 Capture (DAC) capture system. This system represents the next generation technology which will complement our existing research capabilities in low carbon power generation and applications in energy/CO2 intensive industries, as well as opportunities for the development of carbon capture and utilisation technologies and applications. It is envisaged that the new DAC CO2 capture system will provide a platform to aid product development and innovation, and systems integration across a wide range of research activities.

At the University of Sheffield, we have set up a National Translational Energy Research Centre (TERC) focusing on bioenergy, renewable energy, carbon capture, utilisation and storage (CCUS) technologies. As part of the equipment portfolio to broaden and support

our extensive research and development activities at the centre we are looking to procure a Direct Air Capture (DAC) plant to separate CO<sub>2</sub> from air. For full-chain CCUS demonstration, the captured CO<sub>2</sub>, along with hydrogen generated on-site from renewable resources, will be utilised in an on-site Sustainable Aviation Fuel (SAF) production plant to produce green fuel for use in turbines/engines.

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

Quality criterion - Name: Quality / Weighting: 75

Price - Weighting: 25

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

Options: No

#### **II.2.14) Additional information**

This procurement is related to a project and/or programme financed by European Union funds.

Identification of the project: European Regional Development Fund (ERDF)

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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: [2022/S 000-012252](#)

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

A contract/lot is awarded: Yes

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

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

24 November 2022

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

Number of tenders received: 2

Number of tenders received from SMEs: 2

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**

Mission Zero Technologies Ltd

46-54 High Street

Ingatestone

CM4 9DW

Country

United Kingdom

NUTS code

- UKH3 - Essex

Companies House

12701841

The contractor is an SME

Yes

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

Initial estimated total value of the contract/lot: £739,000

Total value of the contract/lot: £551,250

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**Section VI. Complementary information**

**VI.4) Procedures for review**

**VI.4.1) Review body**

The University of Sheffield

Sheffield

S10 2TN

Email

[james.noble@sheffield.ac.uk](mailto:james.noble@sheffield.ac.uk)

Country

United Kingdom