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Contract

## **Power to Sustainable Fuel Pilot Plant (Fischer-Tropsch) - 4 Lots**

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2023/S 000-020211

Procurement identifier (OCID): ocds-h6vhtk-0391f0

Published 14 July 2023, 9:39am

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

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

UNIVERSITY OF SHEFFIELD

THE UNIVERSITY OF SHEFFIELD, 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://www.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

Power to Sustainable Fuel Pilot Plant (Fischer-Tropsch) - 4 Lots

Reference number

3586/DM/22

#### II.1.2) Main CPV code

- 09000000 - Petroleum products, fuel, electricity and other sources of energy

#### II.1.3) Type of contract

Supplies

#### II.1.4) Short description

The University of Sheffield's Translational Energy Research Centre (TERC) is one of the largest and best-equipped national R&D centres in Europe for zero-carbon energy, hydrogen, bioenergy, and Carbon Capture, Utilisation and Storage (CCUS). We are looking to procure a sustainable aviation fuel (SAF) pilot plant based on Fischer-Tropsch technology.

The SAF plant is required to produce 1.5+ L/h of sustainable aviation fuel to Jet A1 ASTM specification D1655 (with flash point of 38+ °C and a freeze point maximum of -47 °C). The plant shall utilise onsite CO<sub>2</sub> (minimum as an industrial gas, but preferably CO<sub>2</sub> captured onsite from bioenergy exhaust gases) and on-site generated green H<sub>2</sub> as feedstocks. It shall also have the option to use biomass syngas from an onsite wood gasifier.

#### 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: £1,019,216

### II.2) Description

### **II.2.1) Title**

Lot 1 (3 modules)

Lot No

1

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

- 38970000 - Research, testing and scientific technical simulator
- 73000000 - Research and development services and related consultancy services

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

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre at the University of Sheffield

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

The University of Sheffield's Translational Energy Research Centre (TERC) is one of the largest and best-equipped national R&D centres in Europe for zero-carbon energy, hydrogen, bioenergy, and Carbon Capture, Utilisation and Storage (CCUS). We are looking to procure a sustainable aviation fuel (SAF) pilot plant based on Fischer-Tropsch technology.

The SAF plant is required to produce 1.5+ L/h of sustainable aviation fuel to Jet A1 ASTM specification D1655 (with flash point of 38+ °C and a freeze point maximum of -47 °C). The plant shall utilise onsite CO<sub>2</sub> (minimum as an industrial gas, but preferably CO<sub>2</sub> captured onsite from bioenergy exhaust gases) and on-site generated green H<sub>2</sub> as feedstocks. It shall also have the option to use biomass syngas from an onsite wood gasifier.

This tender is made up of 4 distinct lots, comprising of 6 individual modules:

Lot 1

(Module) #1 Gas clean-up and conditioning module

#2 Reverse Water Gas Shift module

#3 FT mixing skid

Lot 2

#5 Hydrocracking and hydrogenation module

Lot 3

#6 Distillation module

Lot 4

#7 Site flare

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

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

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

Options: Yes

Description of options

As described within the tender documents

## **II.2) Description**

### **II.2.1) Title**

Hydrocracking and hydrogenation module

Lot No

2

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

- 38970000 - Research, testing and scientific technical simulator
- 73000000 - Research and development services and related consultancy services

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

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre at the University of Sheffield

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

As per section II.2.4

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

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

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

Options: Yes

Description of options

As described within the tender documents

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

#### **II.2.1) Title**

Distillation module

Lot No

3

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

- 38970000 - Research, testing and scientific technical simulator
- 73000000 - Research and development services and related consultancy services

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

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre at the University of Sheffield

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

As per Section II 2.4

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

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

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

Options: Yes

Description of options

As described within the tender documents

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

#### **II.2.1) Title**

Site Flare

Lot No

4

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

- 38970000 - Research, testing and scientific technical simulator
- 73000000 - Research and development services and related consultancy services

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

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Translational Energy Research Centre at the University of Sheffield

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

As per Section II 2.4

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

Quality criterion - Name: Various / Weighting: 70

Price - Weighting: 30

#### **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: [2022/S 000-035666](#)



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

### **Contract No**

3586/DM/22

### **Lot No**

1

A contract/lot is awarded: Yes

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

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

1 June 2023

#### **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**

OXCCU Tech Ltd.

Oxford

OX2 9GG

Country

United Kingdom

NUTS code

- UKJ14 - Oxfordshire

Companies House

13519271

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: £935,000

Total value of the contract/lot: £1,019,216

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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

Country

United Kingdom