

**United Kingdom-Sheffield: Petroleum products, fuel, electricity and other sources of energy**  
**OJ S 137/2023 19/07/2023**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: The University of Sheffield

National registration number: X1089

Town: Sheffield

NUTS code: UKE32 Sheffield

Postal code: S10 2TN

Country: United Kingdom

Contact person: David Middle

E-mail: [dave.middle@sheffield.ac.uk](mailto:dave.middle@sheffield.ac.uk)

**Internet address(es):**

Main address: <https://www.sheffield.ac.uk/>

Address of the buyer profile: <https://in-tendhost.co.uk/sheffield/asp/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 CO2 (minimum as an industrial gas, but preferably CO2 captured

onsite from bioenergy exhaust gases) and on-site generated green H2 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:

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

This contract is divided into lots: yes

#### **II.1.7. Total value of the procurement**

Value excluding VAT: 2 095 000,00 GBP

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

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

Lot 1 (x 3 modules)

Lot No: 1

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

38970000 Research, testing and scientific technical simulator, 73100000 Research and experimental development services, 73000000 Research and development services and related consultancy services

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

NUTS code: 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 CO2 (minimum as an industrial gas, but preferably CO2 captured onsite from bioenergy exhaust gases) and on-site generated green H2 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.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds:

yes

Identification of the project: ERDF

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

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

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

Lot 2 - Hydrocracking and hydrogenation module

Lot No: 2

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

38970000 Research, testing and scientific technical simulator, 73100000 Research and experimental development services, 73000000 Research and development services and related consultancy services

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

NUTS code: 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.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds:  
yes

Identification of the project: ERDF

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

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

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

Lot 3 - Distillation Module

Lot No: 3

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

38970000 Research, testing and scientific technical simulator, 73100000 Research and experimental development services, 73000000 Research and development services and related consultancy services

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

NUTS code: 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:

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(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.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds:

yes

Identification of the project: ERDF

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

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

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

Lot 4 - Site Flare

Lot No: 4

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

38970000 Research, testing and scientific technical simulator, 73100000 Research and experimental development services, 73000000 Research and development services and related consultancy services

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

NUTS code: 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.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds:  
yes

Identification of the project: ERDF

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

### **Section IV: Procedure**

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#### **IV.1. Description**

##### **IV.1.1. Type of procedure**

Open procedure

##### **IV.1.3. Information about a framework agreement or a dynamic purchasing system**

##### **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 in the OJ S: [2022/S 246-713279](#)

##### **IV.2.8. Information about termination of dynamic purchasing system**

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

### **Section V: Award of contract**

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**Contract No:** 3586/DM/22

**Lot No:** 1

**Title:**

Lot 1 (x 3 modules)

A contract/lot is awarded: yes

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

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

01/06/2023

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

Number of tenders received: 2

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: 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**

Official name: OXCCU Tech Ltd.

National registration number: 13519271

Town: Oxford

NUTS code: UKJ14 Oxfordshire

Postal code: OX2 9GG

Country: United Kingdom

The contractor is an SME: yes

**V.2.4. Information on value of the contract/lot**

Initial estimated total value of the contract/lot: 935 000,00 GBP

Total value of the contract/lot: 1 019 216,00 GBP

**V.2.5. Information about subcontracting**

**Section V: Award of contract**

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**Contract No: 2**

**Lot No: 2**

**Title:**

Lot 2 - Hydrocracking and hydrogenation module

A contract/lot is awarded: no

**V.1. Information on non-award**

**The contract/lot is not awarded**

No tenders or requests to participate were received or all were rejected

**Section V: Award of contract**

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**Contract No: 3**

**Lot No: 3**

**Title:**

Lot 3 - Distillation module

A contract/lot is awarded: no

**V.1. Information on non-award**

**The contract/lot is not awarded**

No tenders or requests to participate were received or all were rejected

**Section V: Award of contract**

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**Contract No: 4**

**Lot No: 4**

**Title:**

Lot 4 - Site flare

A contract/lot is awarded: no

**V.1. Information on non-award**

**The contract/lot is not awarded**

No tenders or requests to participate were received or all were rejected

**Section VI: Complementary information**

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**VI.3. Additional information**

**VI.4. Procedures for review**

**VI.4.1. Review body**

Official name: University of Sheffield

Town: Sheffield

Postal code: S10 2TN

Country: United Kingdom

**VI.4.2. Body responsible for mediation procedures**

Official name: The University of Sheffield

Town: Sheffield

Postal code: S10 2TN

Country: United Kingdom

**VI.4.4. Service from which information about the review procedure may be obtained**

Official name: The University of Sheffield

Town: Sheffield

Postal code: S10 2TN

Country: United Kingdom

E-mail: [dave.middle@sheffield.ac.uk](mailto:dave.middle@sheffield.ac.uk)

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

**VI.5. Date of dispatch of this notice**

14/07/2023