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Contract

## **Upgrade to existing Natural Gas Roller Hearth Tile Kiln to fire on 100% Hydrogen**

LUCIDEON LIMITED

F03: Contract award notice

Notice identifier: 2023/S 000-035429

Procurement identifier (OCID): ocds-h6vhtk-03eb93

Published 1 December 2023, 9:15am

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

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

LUCIDEON LIMITED

Queens Road

STOKE-ON-TRENT

ST47LQ

#### **Contact**

James Till

#### **Email**

[james.till@uk.lucideon.com](mailto:james.till@uk.lucideon.com)

#### **Telephone**

+44 1785331900

**Country**

United Kingdom

**Region code**

UKG23 - Stoke-on-Trent

**Companies House**

01960455

**Internet address(es)**

Main address

[www.lucideon.com](http://www.lucideon.com)

**I.4) Type of the contracting authority**

Other type

Limited Company

**I.5) Main activity**

Other activity

Research and Development

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**Section II: Object****II.1) Scope of the procurement****II.1.1) Title**

Upgrade to existing Natural Gas Roller Hearth Tile Kiln to fire on 100% Hydrogen

Reference number

LUC0012

**II.1.2) Main CPV code**

- 42300000 - Industrial or laboratory furnaces, incinerators and ovens

**II.1.3) Type of contract**

Supplies

**II.1.4) Short description**

The design, supply, and installation of modifications to our existing Natural Gas Roller Hearth Tile Kiln. Our organisation intends to transition the kiln to operate on 100% hydrogen, whilst retaining the existing natural gas combustion system and ensuring its safe and efficient operation. The kiln therefore requires the parallel installation of 100% hydrogen rated burners.

**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: £258,000

**II.2) Description****II.2.3) Place of performance**

NUTS codes

- UKG23 - Stoke-on-Trent

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

The design, supply, and installation of modifications to our existing Natural Gas Roller Hearth Tile Kiln. Our organisation intends to transition the kiln to operate on 100% hydrogen, whilst retaining the existing natural gas combustion system and ensuring its safe and efficient operation. The kiln therefore requires the parallel installation of 100% hydrogen rated burners.

The existing asset has been used in the past to investigate the use of Flash Sintering of ceramic tiles is used as a laboratory/research platform for the ceramic tile sector and as such the final design should not compromise the asset's current capabilities, which are; 1170°C

peak operating temperature, product setting volume to be unchanged

The existing asset was recommissioned in January 2023 after several years of being offline. It has a fully integrated SCADA control system that manages the kiln automation and combustion control current operation.

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

Quality criterion - Name: Quality, thoroughness and timeliness of implementation plan / Weighting: 10%

Quality criterion - Name: Quality and comprehensiveness of the acceptance / training / maintenance / Weighting: 5%

Quality criterion - Name: Quality and thoroughness of the specification / Weighting: 20%

Quality criterion - Name: Assessment of safety systems within the proposal / Weighting: 20%

Quality criterion - Name: Quality and thoroughness of previous experience in hydrogen kiln manufacture / Weighting: 10%

Quality criterion - Name: Quality of previous case study examples / Weighting: 5%

Cost criterion - Name: Total cost of equipment, installation, training and maintenance for 2 years / Weighting: 20%

Cost criterion - Name: Schedule of project payments and stage payments / Weighting: 5%

Cost criterion - Name: Financial Standing - credit check / Weighting: 5%

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

Options: 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: No

### **IV.2) Administrative information**

#### **IV.2.1) Previous publication concerning this procedure**

Notice number: [2023/S 000-022107](#)

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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**

30 November 2023

#### **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**

Therser UK Ltd

Stoke-on-Trent

Country

United Kingdom

NUTS code

- UKG23 - Stoke-on-Trent

Companies House

06843333

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: £258,000

Total value of the contract/lot: £258,000

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## **Section VI. Complementary information**

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

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

6 Engineering

Middlesbrough

Country

United Kingdom