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Tender

## **Single Autonomous Robotic Case Studies**

Dounreay Site Restoration Limited

F02: Contract notice

Notice identifier: 2022/S 000-029090

Procurement identifier (OCID): ocds-h6vhtk-037613

Published 14 October 2022, 8:14pm

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

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

Dounreay Site Restoration Limited

D2003, Dounreay, Thurso, Caithness

Thurso

KW14 7TZ

#### **Contact**

Stephen Plummer

#### **Email**

[stephen.plummer@dounreay.com](mailto:stephen.plummer@dounreay.com)

#### **Telephone**

+44 7310918568

**Country**

United Kingdom

**NUTS code**

UKM61 - Caithness & Sutherland and Ross & Cromarty

**National registration number**

SC307493

**Internet address(es)**

Main address

<https://www.gov.uk/government/organisations/dounreay>

Buyer's address

<https://www.gov.uk/government/organisations/dounreay>

**I.3) Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://one-nda.force.com/s/Welcome>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://one-nda.force.com/s/Welcome>

Tenders or requests to participate must be submitted to the above-mentioned address

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://one-nda.force.com/s/Welcome>

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

Body governed by public law

## **I.5) Main activity**

Other activity

Nuclear - Artificial Intelligence - Autonomous Robotics

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Single Autonomous Robotic Case Studies

Reference number

C9007

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

- 71335000 - Engineering studies

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

Services

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

Dounreay Site Restoration Ltd (DSRL) is seeking to establish a Contract from interested Parties with experience in Artificial intelligence (Ai) for Single Autonomous Robotic Case Studies for the Dounreay Site. It is proposed that one Consultant shall be awarded a Contract with a duration 12 Months commencing in the last quarter of 2022. The value of the contract is estimated to be £300K. The £300K will be split 50 / 50 over this FY22/23 and next FY23/24.

The objective of the Single Autonomous Robotic Case Studies is to enhance the capability and readiness of the Dounreay site and staff for business-as-usual, collaborative human robot

deployments and develop the skills capacity of the Dounreay workforce to realise the benefits of applying robotic augmentation and assistance on nuclear decommissioning tasks in hazardous environments.

### **II.1.5) Estimated total value**

Value excluding VAT: £300,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 38820000 - Remote-control equipment
- 42997300 - Industrial robots

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

NUTS codes

- UKM61 - Caithness & Sutherland and Ross & Cromarty

Main site or place of performance

UK United Kingdom

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

Dounreay Site Restoration Ltd (DSRL) is seeking to establish a Contract from interested Parties with experience in Artificial intelligence (Ai) for Single Autonomous Robotic Case Studies for the Dounreay Site. It is proposed that one Consultant shall be awarded a Contract with a duration 12 Months commencing in the last quarter of 2022. The value of the contract is estimated to be £300K. The £300K will be split 50 / 50 over this FY22/23 and next FY23/24.

For the service being procured, the National Executive Committee, NEC3 Professional Services Contract (PSC) will apply with Main Option E being the selected pricing mechanism covering all the activities within the scope of the Service.

The objective of the Single Autonomous Robotic Case Studies is to enhance the capability and readiness of the Dounreay site and staff for business-as-usual, collaborative human robot deployments and develop the skills capacity of the Dounreay workforce to realise the benefits of applying robotic augmentation and assistance on nuclear decommissioning tasks in hazardous environments.

Seven trial projects case studies will be undertaken within the 12-month period to gather learning on the effectiveness of deployment. Each of these trial projects will generate learning to support the DSRL digital delivery strategy. This technical work task will be supported by the DSRL digital delivery representative.

1. Project A: Data collection and application of machine vision
2. Project B: 3D modelling
3. Project C: Dounreay “Street View” site map
4. Project D: Measuring carbon emissions on site
5. Project E: Security and Resilience – Personnel monitoring
6. Project F: Security and Resilience – Suspicious object inspection
7. Project G: Beach surveys for fragments of irradiated nuclear fuel

The learning from each of the projects will be disseminated through existing forms of communication across the Operational Company’s with the opportunities for direct involvement during the trials at the Dounreay site.

Delivery of project including case studies, opportunistic deployment and training shall be implemented via an on-site presence and shall be fully project managed by the Consultant using SQEP personnel.

DSRL will be adopting a 2-stage evaluation process via eSourcing utilising Atamis System:

- Stage 1 – Demonstration of meeting several Minimum Selection Criteria
- Stage 2 – Full evaluation of Tender Submission

The Registration and Tender Response window opens at noon on 18 October 2022 and will close at noon on 22 November 2022.

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

Price is not the only award criterion and all criteria are stated only in the procurement documents

### **II.2.6) Estimated value**

Value excluding VAT: £300,000

## **II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Start date

14 December 2022

End date

14 December 2023

This contract is subject to renewal

No

## **II.2.10) Information about variants**

Variants will be accepted: No

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

Options: No

## **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 III. Legal, economic, financial and technical information**

### **III.1) Conditions for participation**

#### **III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers**

List and brief description of conditions

Dounreay Site Restoration Limited (DSRL) is the site licence company responsible for the clean-up and demolition of Britain's former centre of fast reactor research and development.

DSRL is a wholly owned subsidiary of the Nuclear Decommissioning Authority (NDA). It is funded by the NDA to deliver the site closure programme.

#### **III.1.2) Economic and financial standing**

List and brief description of selection criteria

Selection criteria as stated in the procurement documents

#### **III.1.3) Technical and professional ability**

List and brief description of selection criteria

Selection criteria as stated in the procurement 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.2.2) Time limit for receipt of tenders or requests to participate**

Date

18 October 2022

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

#### **IV.2.6) Minimum time frame during which the tenderer must maintain the tender**

Tender must be valid until: 30 December 2022

#### **IV.2.7) Conditions for opening of tenders**

Date

22 November 2022

Local time

12:00pm



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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

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

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

Dounreay Site Restoration Limited

D2003, Dounreay, Thurso, Caithness

Thurso

KW14 7TZ

Country

United Kingdom

Internet address

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