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Planning

## **Next Generation Digital Twin Design & Build– LongOps Work Package 3.2.3**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Reducing time limits for receipt of tenders

Notice identifier: 2021/S 000-021675

Procurement identifier (OCID): ocds-h6vhtk-02dc1a

Published 1 September 2021, 5:08pm

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

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

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### **Contact**

Abigail Woods

#### **Email**

[abigail.woods@ukaea.uk](mailto:abigail.woods@ukaea.uk)

#### **Telephone**

+44 1235467082

**Country**

United Kingdom

**NUTS code**

UKJ14 - Oxfordshire

**National registration number**

N/A

**Internet address(es)**

Main address

<http://www.gov.uk/government/organisations/uk-atomic-energy-authority>

Buyer's address

<https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/72814>

**I.3) Communication**

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

[https://uk.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=39433&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=39433&B=UK)

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

[https://uk.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=39433&B=UK](https://uk.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=39433&B=UK)

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

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

Body governed by public law

**I.5) Main activity**

Other activity

Fusion Research

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## **Section II: Object**

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

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

Next Generation Digital Twin Design & Build– LongOps Work Package 3.2.3

Reference number

T/PJP163/21

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

- 48000000 - Software package and information systems

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

Supplies

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

This PIN signals UKAEA's intent to procure designs and prototypes for a Next-Generation DMU. The phrase "Next-Generation" is used to distinguish this conceptual system from the current generation of available systems but does not at this stage imply any specific extension of functionality. UKAEA has carried out an initial requirements-gathering phase. However, some of these requirements have been captured based on early assumptions about use cases or end user needs which are not expected to be final.

For the avoidance of doubt: UKAEA is not interested in procuring a bespoke DMU system coupled to any one use-case. The aim is to develop the basis of a generic platform that can be iterated, extended, and repurposed for years to come. This is what is referred to as the NG-DMU.

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

Value excluding VAT: £600,000

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

This contract is divided into lots: No

## II.2) Description

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

- 48000000 - Software package and information systems
- 72230000 - Custom software development services
- 72262000 - Software development services
- 73000000 - Research and development services and related consultancy services

### II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Culham

### II.2.4) Description of the procurement

This PIN signals UKAEA's intent to procure designs and prototypes for a Next-Generation DMU. The phrase "Next-Generation" is used to distinguish this conceptual system from the current generation of available systems but does not at this stage imply any specific extension of functionality. UKAEA has carried out an initial requirements-gathering phase. However, some of these requirements have been captured based on early assumptions about use cases or end user needs which are not expected to be final.

The aim of this procurement is to start addressing some of the goals through research & development. UKAEA is not intending to deliver a fully featured, production-grade system to all end users by the end of this project. Instead, the aim is to start mitigating these challenges in collaboration with industry, to strengthen the supply chain and ultimately lay the groundwork for these long-term use cases. The key purpose of these prototypes will be for UKAEA and other partners in the LongOps programme to learn more about these challenges, and how well this technology can be applied to the different LongOps use cases.

For the avoidance of doubt: UKAEA is not interested in procuring a bespoke DMU system coupled to any one use-case. The aim is to develop the basis of a generic platform that can be iterated, extended, and repurposed for years to come. This is what is referred to as the NG-DMU.

It is expected that individual components of the NG-DMU will already be available as

COTS products. The use of those products is encouraged where appropriate, but some level of integration with other parts of the system, external systems, or data sources is expected to be necessary. The design and implementation of that integration, in a manner that allows future extension or replacement of components, is a key focus of the project

#### **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: £600,000

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

Start date

15 November 2021

End date

18 February 2024

#### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

#### **II.3) Estimated date of publication of contract notice**

1 October 2021

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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

Refer to Procurement Documents for information.

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

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

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

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

### **III.2) Conditions related to the contract**

#### **III.2.2) Contract performance conditions**

Refer to Procurement Documents for information.

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## **Section IV. Procedure**

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

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: No

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## **Section VI. Complementary information**

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

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

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

<https://www.gov.uk/government/organisations/uk-atomic-energy-authority>

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

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

<https://www.gov.uk/government/organisations/uk-atomic-energy-authority>

#### **VI.4.3) Review procedure**

Precise information on deadline(s) for review procedures

VI.4.2)Body responsible for mediation procedures

#### VI.4.3) Review procedure

Precise information on deadline(s) for review procedures:

The authority will incorporate a minimum 10 calendar day standstill period at the point information on the award of the contract is communicated to tenderers.

This period allows unsuccessful tenderers to seek further debriefing from the authority before a contract is entered into applicants have 2 working days from the notification of the award decision to request. Additional debriefing and that information have to be provided within a minimum of 3 working days before the expiry of the standstill period. Such additional information should be sought from the contact named in this notice.

If an appeal regarding the award of a contract has not been successfully resolved, the Public Contracts Regulations 2015 (SI 2015 No. 102) provide for aggrieved parties who have been harmed or are at risk of harm by a breach of the rules to take action in the High Court (England, Wales and Northern Ireland).

Any such action must be brought promptly.

(generally within 3 months).

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

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

<https://www.gov.uk/government/organisations/uk-atomic-energy-authority>