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Planning

## **Tracking & Robot Control (Unit A)**

Satellite Applications Catapult

F01: Prior information notice

Prior information only

Notice identifier: 2023/S 000-020273

Procurement identifier (OCID): ocids-h6vhtk-03e1f3

Published 14 July 2023, 12:23pm

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

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

Satellite Applications Catapult

Electron Building, Fermi Avenue, Harwell

Didcot

OX11 0QR

#### **Email**

[procurement@sa.catapult.org.uk](mailto:procurement@sa.catapult.org.uk)

#### **Country**

United Kingdom

#### **NUTS code**

UK - United Kingdom

#### **Internet address(es)**

Main address

<https://sa.catapult.org.uk/>

Buyer's address

[https://www.mytenders.co.uk/search/Search\\_AuthProfile.aspx?ID=AA42845](https://www.mytenders.co.uk/search/Search_AuthProfile.aspx?ID=AA42845)

## **I.2) Information about joint procurement**

The contract is awarded by a central purchasing body

## **I.3) Communication**

Additional information can be obtained from the above-mentioned address

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

Other type

RTO

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

Other activity

Space Sector

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## **Section II: Object**

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

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

Tracking & Robot Control (Unit A)

Reference number

SAC-24-017-G

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

- 38810000 - Industrial process control equipment

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

Supplies

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

The Satellite Applications Catapult is seeking a suitable provider to develop its existing Vicon motion tracking system. The aim is to integrate the existing system into the Catapult's robot systems via ROS nodes to allow near real-time updating of programmed positions and trajectories. It is expected that this would be a closed loop where the reported position is analysed against intended & commands sent to the robots adjusting their position. The existing system consist of 34 Vicon Vero 2.2 cameras and Vicon Tracker v 1.1.0 software. The system must track multiple objects to sub-millimetre accuracy at frame rates up to 300Hz, record the results in a database and feedback updated target coordinates/orientations to robot controllers. The total tracked volume is 27m x 7m x 8m. Software APIs to allow connection to other systems should be included as part of the costs. The tenderer should include for all necessary hardware, software licenses, installation, and training costs.

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

Value excluding VAT: £100,000

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

This contract is divided into lots: No

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

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

NUTS codes

- UKJ13 - Buckinghamshire CC

Main site or place of performance

Westcott

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

This is a prior information notice outlining this potential requirement to make the market aware of the potential upcoming need. If this progresses, procurement documentation will be published on the MyTenders portal and will be conducted by a competitive procurement process. We do not have further information to share at this point. Please ensure that you have registered your interest on the MyTenders portal to receive further updates about this opportunity.

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

Additional background information is provided in the downloadable document “Background SAC IOSM Facility” – if you are having issues locating this document, please contact [procurement@sa.catapult.org.uk](mailto:procurement@sa.catapult.org.uk) to request a copy.

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

15 September 2023

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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: Yes

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## **Section VI. Complementary information**

### **VI.3) Additional information**

We are issuing a series of PINs related to this requirement. It is worth noting that not all of these will progress to contract but work is still underway to determine our preferred options.

NOTE: To register your interest in this notice and obtain any additional information please visit the myTenders Web Site at

[https://www.mytenders.co.uk/Search/Search\\_Switch.aspx?ID=229858](https://www.mytenders.co.uk/Search/Search_Switch.aspx?ID=229858).

(MT Ref:229858)