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Planning

## **Orbital Lighting System (Unit A)**

Satellite Applications Catapult

F01: Prior information notice

Prior information only

Notice identifier: 2023/S 000-020270

Procurement identifier (OCID): ocids-h6vhtk-03e1f0

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**

Orbital Lighting System (Unit A)

Reference number

SAC-24-017-D

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

- 71318100 - Artificial and natural lighting engineering services for buildings

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

Services

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

The Satellite Applications Catapult is seeking a suitable provider to develop an automated orbital lighting system for its IOSM Facility. The system will be installed in the facility's dark room measuring 27m x 7m x 8m and contains robot systems to mimic spacecraft flight. It is expected to replicate orbital lighting conditions that accurately represent the lighting environment spacecraft will experience. As such, the system is expected to move light sources to replicate the effect of light emitting bodies (eg the sun) on spacecraft. Due to existing equipment mounted in the facility it is expected that the lighting system will be mounted to the walls or above (ceiling mounting is not possible). Movement of light sources is expected to be automated and programmable, ideally in coordination with the existing KUKA robots via ROS nodes. Light sources are to be included suitable to mimic sunlight encountered in orbit (approx. 6900 Kelvin). Light sources to be low weight & energy efficient.

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

Value excluding VAT: £150,000

#### **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=229855](https://www.mytenders.co.uk/Search/Search_Switch.aspx?ID=229855).

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