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Tender

## **Technical Experts RFFP**

Satellite Applications Catapult

F02: Contract notice

Notice identifier: 2021/S 000-019503

Procurement identifier (OCID): ocds-h6vhtk-02d39e

Published 11 August 2021, 4:55pm

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

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

Satellite Applications Catapult

Electron Building, Fermi Avenue, Harwell

Didcot

OX11 0QR

#### **Contact**

James Morrison

#### **Email**

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

#### **Telephone**

+44 1235567977

#### **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**

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

[www.mytenders.co.uk](http://www.mytenders.co.uk)

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

[www.mytenders.co.uk](http://www.mytenders.co.uk)

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

Other type

RDO

**I.5) Main activity**

Other activity

Space Technology

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## **Section II: Object**

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

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

Technical Experts RFFP

Reference number

RFFP-FY-22-10

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

- 73000000 - Research and development services and related consultancy services

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

Services

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

Context

To deliver impact nationally, the Satellite Applications Catapult ambition is to develop locations across the UK that draw upon local expertise and facilities to grow space activity, and to deliver end impacts at scale through significant regional programmes, building on our current level of regional presence offered through our Centre of Excellence.

As part of our aim to develop a UK Space Ecosystem alongside the UK Space Agency; these locations will lead and coordinate local connectivity, insight and delivery of a space activity and provide targeted business support combined with local space leadership momentum.

It is the Catapult's intention to utilise this Framework to support new and on-going initiatives.

Statement of Work

The successful supplier(s) will be expected to complete to a range of specific assignments and deliverables in response to Work Package requests with inputs to include but not limited to:

- Business Support to Space and Non-Space experts from start-up to scale-up
- Sector and Regional Workshop Facilitation
- Training for Non-Space Experts
- Produce reference material and resources for Non-Space Experts
- Identification of new collaboration opportunities with government, industry and academia
- Consultancy contributions to space sector project proposals and delivery

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

Value excluding VAT: £1,750,000

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

This contract is divided into lots: Yes

Tenders may be submitted for maximum number of lots  
5

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

#### **II.2.1) Title**

Launch and Propulsion

Lot No

5

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

- 34700000 - Aircraft and spacecraft
- 34710000 - Helicopters, aeroplanes, spacecraft and other powered aircraft
- 34711200 - Non-piloted aircraft
- 34711300 - Piloted aircraft
- 34711400 - Special-purpose aircraft
- 34712000 - Spacecraft, satellites and launch vehicles

- 34712100 - Spacecraft
- 34712200 - Satellites
- 34712300 - Spacecraft launchers
- 34741100 - Aircraft-launching gear
- 34740000 - Aircraft or spacecraft equipment, trainers, simulators and associated parts
- 34730000 - Parts for aircraft, spacecraft and helicopters
- 34731400 - Jet engines
- 42000000 - Industrial machinery
- 73000000 - Research and development services and related consultancy services
- 73425000 - Development of military aircrafts, missiles and spacecrafts
- 73435000 - Test and evaluation of military aircrafts, missiles and spacecrafts

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

NUTS codes

- UKJ14 - Oxfordshire

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

As the regional consultant in Space Launch and Propulsion technologies, you will perform an important technical consultant role, using your expertise in the application of Space Launch and Propulsion technologies to support and enable the establishment, growth and innovation of businesses in this area and the surrounding supply chains. You will have the enthusiasm and drive to use your market knowledge and industry experience to propose and develop effective solutions that respond to industry-focused business challenges and opportunities.

The successful supplier will:

- have an excellent understanding of propulsion technologies including hybrid, chemical and electric and the applicability to launch vehicles and spacecraft,
- recognise the challenges associated with the business implementation of related innovations
- be able to offer astute and concise assessments of commercial viability

- have experience in technical leadership in the identification, specification, development and implementation of Space Launch and Propulsion commercial and collaboration opportunities
- be able to communicate confidently with non-space organisations or experts in this field

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

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

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

Duration in months

24

This contract is subject to renewal

Yes

Description of renewals

The duration of this Framework Agreement shall be for an initial period of two (2) years with the option, at the sole discretion of the Catapult and subject to satisfactory performance of suppliers, to extend the Framework Agreement duration on two further occasions for up to twelve (12) months each time, giving a total potential framework duration of four (4) years.

#### **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

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

#### **II.2.1) Title**

## Earth Observation

Lot No

1

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

- 48000000 - Software package and information systems
- 64226000 - Telematics services
- 73000000 - Research and development services and related consultancy services
- 71000000 - Architectural, construction, engineering and inspection services

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

NUTS codes

- UKJ14 - Oxfordshire

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

As the regional consultant in Earth Observation (EO), you will perform an important technical consultant role, using your expertise in the application of geospatial technologies to support and enable the broader adoption of satellite Earth Observation in key markets including Extractive Industries; Agri-tech; Renewable Energy; Healthy Living, Intelligent Transport, Climate and Sustainable Development. You will have the enthusiasm and drive to use your market knowledge and industry experience to propose and develop effective geospatial solutions that respond to industry-focused business challenges and opportunities.

The successful supplier will:

- have a broad knowledge and practical application of geospatial technologies and geospatial data analytics.
- have experience of the application of EO technologies.
- have experience in emerging geospatial data analysis technologies e.g., AI/ML, Cloud.
- be an excellent communicator, equally comfortable discussing a technical architecture on a whiteboard one day and communicating a financial value proposition that you have developed the next.

- have experience in the definition and development of innovative geospatial solutions utilising the most appropriate geospatial technologies and data sets to meet customer / market needs
- have experience in technical leadership in the identification, specification, development and implementation of EO-enabled products and services
- have an understanding of how EO can be integrated into the solutions and be able to communicate confidently with non-space organisations or experts in this field.

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

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

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

Duration in months

24

This contract is subject to renewal

Yes

Description of renewals

The duration of this Framework Agreement shall be for an initial period of two (2) years with the option, at the sole discretion of the Catapult and subject to satisfactory performance of suppliers, to extend the Framework Agreement duration on two further occasions for up to twelve (12) months each time, giving a total potential framework duration of four (4) years.

#### **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



## **II.2) Description**

### **II.2.1) Title**

Satcomms

Lot No

2

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

- 32000000 - Radio, television, communication, telecommunication and related equipment
- 64225000 - Air-to-ground telecommunications services
- 64226000 - Telematics services
- 64212400 - Wireless Application Protocol (WAP) services
- 64212500 - General Packet Radio Services (GPRS) services
- 64212600 - Enhanced Data for GSM Evolution (EDGE) services
- 48000000 - Software package and information systems
- 71316000 - Telecommunication consultancy services
- 72212216 - Network connectivity terminal emulation software development services
- 73000000 - Research and development services and related consultancy services

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

NUTS codes

- UKJ14 - Oxfordshire

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

As the regional consultant in Satellite Communications (SatComms), you will perform an important technical consultant role, using your expertise in the application of ubiquitous connectivity to support and enable the broader adoption of SatComms including, pervasive devices, consolidated smart networks and frugal computing across our market areas Extractive Industries; Agri-tech; Renewable Energy; Healthy Living, Intelligent Transport, Climate and Sustainable Development with their connectivity capabilities. You will have the enthusiasm and drive to use your market knowledge and industry experience to propose and develop effective SatComms solutions that respond to industry-focused

business challenges and opportunities.

The successful supplier will:

- have a background in communications systems engineering, preferably satellite systems
- have an understanding of communication architectures, waveforms and protocols, including IP networking, terrestrial communications (3G/LTE) and/or satellite communications.
- have experience with satellite or terrestrial user terminal systems, communications systems hardware, software, protocol and systems development
- have experience with embedded systems, signal processing, and software engineering techniques
- have experience in technical leadership in the identification, specification, development and implementation of SatComms-enabled products and services
- have an understanding of how SatComms can be integrated into the solutions and be able to communicate confidently with non-space organisations or experts in this field.

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

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

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

Duration in months

24

This contract is subject to renewal

Yes

Description of renewals

The duration of this Framework Agreement shall be for an initial period of two (2) years with the option, at the sole discretion of the Catapult and subject to satisfactory performance of suppliers, to extend the Framework Agreement duration on two further occasions for up to twelve (12) months each time, giving a total potential framework duration of four (4) years.

### **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

## **II.2) Description**

### **II.2.1) Title**

PNT

Lot No

3

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

- 64225000 - Air-to-ground telecommunications services
- 64226000 - Telematics services
- 64212400 - Wireless Application Protocol (WAP) services
- 64212500 - General Packet Radio Services (GPRS) services
- 64212600 - Enhanced Data for GSM Evolution (EDGE) services
- 48000000 - Software package and information systems
- 71316000 - Telecommunication consultancy services
- 73000000 - Research and development services and related consultancy services

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

NUTS codes

- UKJ14 - Oxfordshire

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

As the regional consultant in Position, Navigation and Timing (PNT), you will perform an important technical consultant role, using your expertise in the application of PNT to support and enable the broader adoption including in our market areas Extractive Industries; Agri-tech; Renewable Energy; Healthy Living, Intelligent Transport, Climate and Sustainable Development. You will have the enthusiasm and drive to use your market knowledge and industry experience to propose and develop effective solutions integrating PNT that respond to industry-focused business challenges and opportunities.

The successful supplier will:

- have a background in both the commercial development of technical solutions using PNT and related subsystems such as timing and ground segment components is highly desirable
- have a detailed understanding of the technical innovations occurring in the PNT field.
- have experience in technical leadership in the identification, specification, development and implementation of PNT-enabled products and services
- have an understanding of how PNT can be integrated into solutions
- be able to communicate confidently complex innovation with both with non-space organisations or experts in this field.

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

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

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

Duration in months

24

This contract is subject to renewal

Yes

Description of renewals

The duration of this Framework Agreement shall be for an initial period of two (2) years with the option, at the sole discretion of the Catapult and subject to satisfactory performance of suppliers, to extend the Framework Agreement duration on two further

occasions for up to twelve (12) months each time, giving a total potential framework duration of four (4) years.

#### **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

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

#### **II.2.1) Title**

Space Manufacturing and IOSM

Lot No

4

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

- 34700000 - Aircraft and spacecraft
- 34710000 - Helicopters, aeroplanes, spacecraft and other powered aircraft
- 42000000 - Industrial machinery
- 73000000 - Research and development services and related consultancy services
- 73425000 - Development of military aircrafts, missiles and spacecrafts
- 73435000 - Test and evaluation of military aircrafts, missiles and spacecrafts
- 34712000 - Spacecraft, satellites and launch vehicles
- 34712100 - Spacecraft
- 34712200 - Satellites

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

NUTS codes

- UKJ14 - Oxfordshire

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

As the regional consultant in Space Manufacturing and In-Orbit Service and Manufacturing (IOSM), you will perform an important technical consultant role, using your expertise in the application of manufacturing for space and IOSM technologies to support and enable the establishment, growth and innovation of businesses in this area and the surrounding supply chains. You will have the enthusiasm and drive to use your market knowledge and industry experience to propose and develop effective solutions that respond to industry-focused business challenges and opportunities.

The successful supplier will:

- have extensive experience in advanced manufacturing and materials with emphasis on application of these capabilities to real world challenges
- have an appreciation of robotics and autonomous systems and a recognition of where and how such technologies will be applicable to IOSM today and in the future.
- have experience in technical leadership in the identification, specification, development and implementation of space manufacturing and IOSM commercial and collaboration opportunities
- be able to communicate confidently with non-space organisations or experts in this field

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

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

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

Duration in months

24

This contract is subject to renewal

Yes

Description of renewals

The duration of this Framework Agreement shall be for an initial period of two (2) years with the option, at the sole discretion of the Catapult and subject to satisfactory performance of suppliers, to extend the Framework Agreement duration on two further occasions for up to twelve (12) months each time, giving a total potential framework duration of four (4) years.

#### **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

Must have the appropriate licenses and accreditations

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

Selection criteria as stated in the procurement documents

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

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.1.3) Information about a framework agreement or a dynamic purchasing system**

The procurement involves the establishment of a framework agreement

Framework agreement with several operators

**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.2.2) Time limit for receipt of tenders or requests to participate**

Date

17 September 2021

Local time

12:00pm

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

English

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

Date

20 September 2021

Local time

9:00am

Place

[www.mytenders.co.uk](http://www.mytenders.co.uk)

Information about authorised persons and opening procedure

James Morrison



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## **Section VI. Complementary information**

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

This is a recurrent procurement: No

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

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=223627](https://www.mytenders.co.uk/Search/Search_Switch.aspx?ID=223627).

The buyer has indicated that it will accept electronic responses to this notice via the Postbox facility. A user guide is available at  
[https://www.mytenders.co.uk/sitehelp/help\\_guides.aspx](https://www.mytenders.co.uk/sitehelp/help_guides.aspx).

Suppliers are advised to allow adequate time for uploading documents and to dispatch the electronic response well in advance of the closing time to avoid any last minute problems.

(MT Ref:223627)

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

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

Public Procurement Review Service

Cabinet Office

London

Email

[publicprocurementreview@cabinetoffice.gov.uk](mailto:publicprocurementreview@cabinetoffice.gov.uk)

Telephone

+44 3450103503

Country

United Kingdom

Internet address

<https://www.gov.uk/government/publications/public-procurement-review-service-scope-and-remit>