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# Planning Webinar: HyDUS Project; Seeking A Wonder Material For Hydrogen Storage

United Kingdom Atomic Energy Authority

F01: Prior information notice Prior information only Notice identifier: 2023/S 000-007590 Procurement identifier (OCID): ocds-h6vhtk-03b32b Published 15 March 2023, 4:24pm

# Section I: Contracting authority

## I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### Contact

Ben Oborne

#### Email

ben.oborne@ukaea.uk

#### Telephone

#### +44 1235467082

#### Country

United Kingdom

#### **Region code**

UKJ1 - Berkshire, Buckinghamshire and 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/ctm/Supplier/Documents/Folder/62409

Additional information can be obtained from the above-mentioned address

## I.4) Type of the contracting authority

Body governed by public law

## I.5) Main activity

Other activity

**Fusion Research** 

# **Section II: Object**

## II.1) Scope of the procurement

## II.1.1) Title

Webinar: HyDUS Project; Seeking A Wonder Material For Hydrogen Storage

Reference number

T/BO032/23

### II.1.2) Main CPV code

• 42000000 - Industrial machinery

## II.1.3) Type of contract

Supplies

## II.1.4) Short description

The HyDUS (Hydrogen in Depleted Uranium Storage) project is a collaboration between UK Atomic Energy Authority, EDF UK, The University of Bristol and Urenco. The project is looking to develop a pilot-scale HyDUS (Hydrogen in Depleted Uranium Storage) demonstrator as part of the Longer Duration Energy Storage demonstrator programme at the UKAEA's Culham Campus.

UKAEA are seeking to engage with manufacturers/suppliers of an electrochemical fuel cell, electrolysis system (electrolyser) and a hydrogen compressor to understand the operating requirement and abilities of these units.

UKAEA will be holding a webinar on the 23rd March 2023. This will be an online event hosted via Zoom.

## II.1.6) Information about lots

This contract is divided into lots: No

## II.2) Description

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

- 42120000 Pumps and compressors
- 24111600 Hydrogen
- 42123000 Compressors
- 42123100 Gas compressors
- 42123200 Rotary compressors
- 42123500 Turbo-compressors
- 42123600 Reciprocating displacement compressors
- 42123700 Centrifugal compressors
- 09310000 Electricity
- 31000000 Electrical machinery, apparatus, equipment and consumables; lighting
- 31600000 Electrical equipment and apparatus
- 31730000 Electrotechnical equipment
- 42980000 Gas generators
- 31122100 Fuel cells

#### II.2.3) Place of performance

#### NUTS codes

• UKJ1 - Berkshire, Buckinghamshire and Oxfordshire

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

The HyDUS (Hydrogen in Depleted Uranium Storage) project is a collaboration between UK Atomic Energy Authority, EDF UK, The University of Bristol and Urenco. The project is looking to develop a pilot-scale HyDUS (Hydrogen in Depleted Uranium Storage) demonstrator as part of the Longer Duration Energy Storage demonstrator programme at the UKAEA's Culham Campus. UKAEA are seeking to engage with manufacturers/suppliers of an electrochemical fuel cell, electrolysis system (electrolyser) and a hydrogen compressor to understand the operating requirement and abilities of these units.

UKAEA is interested in receiving information about the following potential requirements, electrochemical fuel cell, electrolysis system (electrolyser) and a hydrogen compressor. Further details on each requirement can be within the attached document.

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

16 May 2023

# **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