

Belgium-Brussels: Independent Study on Use of Hydrogen and Fuel Cells for Aircraft Propulsion
OJ S 245/2019 19/12/2019
Contract award notice
Services

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Clean Sky 2 Joint Undertaking

Postal address: Av. de la Toison d'Or 56

Town: Brussels

NUTS code: BE100 Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Postal code: 1060

Country: Belgium

Contact person: Legal Team

E-mail: procurement@cleansky.eu

Internet address(es):

Main address: <https://etendering.ted.europa.eu/cft/cft-display.html?cftId=5371>

Address of the buyer profile: <https://www.cleansky.eu/>

I.1. Name and addresses

Official name: Fuel Cells and Hydrogen 2 Joint Undertaking

Postal address: Av. de la Toison d'Or 56

Town: Brussels

NUTS code: BE100 Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Postal code: 1060

Country: Belgium

E-mail: fch-ju@fch.europa.eu

Internet address(es):

Main address: <https://etendering.ted.europa.eu/cft/cft-display.html?cftId=5371>

Address of the buyer profile: <https://www.fch.europa.eu/>

I.2. Information about joint procurement

The contract involves joint procurement

I.4. Type of the contracting authority

European institution/agency or international organisation

I.5. Main activity

Other activity: Research and Innovation in Aviation sector

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Independent Study on Use of Hydrogen and Fuel Cells for Aircraft Propulsion

II.1.2. Main CPV code

73210000 Research consultancy services

II.1.3. Type of contract

Services

II.1.4. Short description

Independent study on use of hydrogen and fuel cells for aircraft propulsion.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 600 000,00 EUR

II.2. Description

II.2.2. Additional CPV code(s)

79310000 Market research services, 31122100 Fuel cells, 34700000 Aircraft and spacecraft

II.2.3. Place of performance

NUTS code: BE10 Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest

II.2.4. Description of the procurement

The aim of the independent study is to investigate the potential of fuel cell and hydrogen technologies in the field of aircraft propulsion. Besides tackling the technical challenges an initial study is needed to:

- understand if and how fuel cell and/or hydrogen based propulsion architectures are suitable for aircraft propulsion and in which aircraft category (payload/range/mission) and with which potential benefits in terms of aircraft performance and emissions,
- identify technical and non-technical barriers for the implementation of fuel cell and hydrogen technologies in the aviation sector and highlight needs in terms of research and innovation (R&I), regulation and standards, as well as (market and economic) conditions,
- identify and understand the deployment challenges related to production, logistics and infrastructure that are compatible with airport operations and air transport networks.

The study under this procurement should identify the potential for fuel cell and/or hydrogen based aircraft propulsion and produce recommendations on future activities with particular focus on R&I efforts in this field in the next decade and policy to support the potential market adoption thereafter.

II.2.5. Award criteria

Quality criterion - Name: Quality of services / Weighting: 60 %

Price - Weighting: 40 %

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:
yes

Identification of the project: Horizon 2020

II.2.14. Additional information

See internet address provided in Section I.3).

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

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.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2019/S 170-414488](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Contract No: DC/CSJU.2019.OP.01

Title:

Independent Study on Use of Hydrogen and Fuel Cells for Aircraft Propulsion

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

02/12/2019

V.2.2. Information about tenders

Number of tenders received: 3

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: McKinsey Solutions SPRL

National registration number: BE0834.110.720

Town: Louvain-la-Neuve

NUTS code: BE31 Prov. Brabant Wallon

Country: Belgium

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Initial estimated total value of the contract/lot: 600 000,00 EUR

Total value of the contract/lot: 579 600,00 EUR

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

See internet address provided in Section I.3).

VI.4. Procedures for review

VI.4.1. Review body

Official name: General Court

Postal address: rue du Fort Niedergrünwald

Town: Luxembourg

Postal code: 2925

Country: Luxembourg

E-mail: GeneralCourt.Registry@curia.europa.eu

Telephone: +352 43031

Fax: +352 43032100

Internet address: <http://curia.europa.eu>

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

See internet address provided in Section I.3).

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

Official name: General Court

Postal address: rue du Fort Niedergrünwald

Town: Luxembourg

Postal code: 2925

Country: Luxembourg

E-mail: GeneralCourt.Registry@curia.europa.eu

Telephone: +352 43031

Fax: +352 43032100

Internet address: http://curia.europa.eu/jcms/jcms/Jo2_7039/en/#electronique

VI.5. Date of dispatch of this notice

12/12/2019