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Contract

Supply of Integrated Non-Contact Optical Measurement System

Swansea University

F03: Contract award notice

Notice identifier: 2022/S 000-017706

Procurement identifier (OCID): ocds-h6vhtk-034bd0

Published 29 June 2022, 10:24am

Section I: Contracting authority

I.1) Name and addresses

Swansea University

Procurement Office, Swansea University, Singleton Park

Swansea

SA2 8PP

Contact

James Thomas

Email

j.r.g.thomas@swansea.ac.uk

Country

United Kingdom

NUTS code

UKL18 - Swansea

Internet address(es)

Main address

<https://www.swansea.ac.uk>

Buyer's address

https://www.sell2wales.gov.wales/search/Search_AuthProfile.aspx?ID=AA0345

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Supply of Integrated Non-Contact Optical Measurement System

Reference number

SU156(22)

II.1.2) Main CPV code

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.1.3) Type of contract

Supplies

II.1.4) Short description

The funding has a tight expenditure deadline (31st July 2022), so we have published this tender before the funding decision. As such, the tender award will be subject to funding award.

An FSI non-contact optical measurement system, capable of volumetric particle image velocimetry, or stereo-DIC and stereo-PIV is sought. A 4-camera system will suffice for most applications in mind. A system that can also make use of our existing high-speed camera equipment is highly desirable (2x Photron Nova S6).

Delivery will need to be to the Service Yard at Bay Campus, Swansea University, ideally by the 31st July 2022.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £179,437

II.2) Description

II.2.2) Additional CPV code(s)

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKL18 - Swansea
- UKL17 - Bridgend and Neath Port Talbot

Main site or place of performance

Service Yard at Bay Campus, Swansea University

II.2.4) Description of the procurement

The Department of Biomedical Engineering develops synthetic experimental systems to assess the efficacy of medical devices and implants. Target applications involve studying the respiratory and cardiovascular systems. The interaction of the fluid and solid tissue structure is of great importance to understand the mechanics of that system in health and

disease. High-fidelity computational modelling frameworks already exist within the Department. This contract hopes to acquire hardware to enable fluid-structure interaction (FSI) measurements to be performed, to help validate such computational models. Expertise and hardware already exist for non-contact optical techniques such as digital image correlation (DIC), particle image velocimetry (PIV) at low speeds and high-frame rates. However, this contract aims to purchase an all-in-one integrated FSI system to couple DIC and PIV – delivering FSI analysis in one platform.

An FSI non-contact optical measurement system, capable of volumetric particle image velocimetry, or stereo-DIC and stereo-PIV is sought. A 4-camera system will suffice for most applications in mind. A system that can also make use of our existing high-speed camera equipment is highly desirable (2x Photron Nova S6).

II.2.5) Award criteria

Quality criterion - Name: Technical / Weighting: 80

Price - Weighting: 20

II.2.11) Information about options

Options: Yes

Description of options

Hardware Registration

Accessories And Cable Connection Set

Accessories And Cable Connection Set

Ptu X Upgrade For High-Speed Applications

Software Module

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2022/S 063-167329](#)

Section V. Award of contract

Contract No

SU156(22)

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

15 June 2022

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 1

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

V.2.3) Name and address of the contractor

LaVisionUK Ltd

2 Minton Place, Victoria Road

Bicester

OX266QB

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £200,000

Total value of the contract/lot: £179,437

Section VI. Complementary information

VI.3) Additional information

(WA Ref:122632)

VI.4) Procedures for review

VI.4.1) Review body

High Court

Royal Courts of Justice, The Strand

London

WC2A 2LL

Telephone

+44 2079477501

Country

United Kingdom