This is a published notice on the Find a Tender service: https://www.find-tender.service.gov.uk/Notice/019426-2022

Award

Expansion of ExDES Teaching System

University of Exeter

F15: Voluntary ex ante transparency notice
Notice identifier: 2022/S 000-019426
Procurement identifier (OCID): ocds-h6vhtk-03528a
Published 15 July 2022, 2:11pm

Section I: Contracting authority/entity

I.1) Name and addresses

University of Exeter

Northcote House

Exeter

EX4 4QH

Contact

Jodie Underhay

Email

j.underhay@exeter.ac.uk

Country

United Kingdom

NUTS code

UKK4 - Devon

National registration number

RC000653

Internet address(es)

Main address

http://www.exeter.ac.uk

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

Expansion of ExDES Teaching System

Reference number

UOE/2022/054/JU

II.1.2) Main CPV code

- 48323000 - Computer-aided manufacturing (CAM) software package

II.1.3) Type of contract

Supplies

II.1.4) Short description

Exeter Digital Enterprise Systems (ExDES) lab is a key part of the engineering management research and PGT education, training students to generate and implement multi-disciplinary, advanced, and smart engineering applications in student-centred, and competence-orientated ways. ExDES currently consists in an Industry 4.0 demonstrator of 8 workstations, and AGV (Robotino) and a modelling & simulation multi-platform environment.

The requested goods are three more stations and a desktop computer that must be seamlessly integrated in the current configuration:

- A storage system;

- A robot assembly station;

- A human operated station;

- A desktop computer capable to process and manage the significant volume of data and the multi-platform simulation capabilities.

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: £268,821.48

II.2) Description

II.2.2) Additional CPV code(s)

- 48323000 - Computer-aided manufacturing (CAM) software package

II.2.3) Place of performance

NUTS codes

- UKK4 - Devon

II.2.4) Description of the procurement

Exeter Digital Enterprise Systems (ExDES) lab is a key part of the engineering management

research and PGT education, training students to generate and implement multi-disciplinary, advanced, and smart engineering applications in student-centred, and competence-orientated ways. ExDES currently consists in an Industry 4.0 demonstrator of 8 workstations, and AGV (Robotino) and a modelling & simulation multi-platform environment.

The requested goods are three more stations and a desktop computer that must be seamlessly integrated in the current configuration:

- A storage system;

- A robot assembly station;

- A human operated station;

- A desktop computer capable to process and manage the significant volume of data and the multi-platform simulation capabilities.

II.2.5) Award criteria

Price

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

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

The existing system is controlled using the Festo MES4 application – a bespoke "Manufacturing Execution System" which distributes work orders to each part of the system, tracks products as they move around the system, and can make decisions about what to do in the event of work failures. The existing system works by tracking products, as they are moved around the system on "Pallets" which contain RFID chips, which are designed to be read/written by the Siemens/Turk RFID Read/Write heads, integrated into the conveyer belt line. The existing system communicates with the Robotino (AGV), and should provide suitable docking / exchange points. The existing system provides a digital twin via CIROS package.

The extension proposed is designed to integrate with and expand the existing system, must therefore, as a minimum requirement:

• Be tightly integrated with this specific MES4 application, and the PLC communication must conform the same API

• Have a compatible RFID Read/Write system, with the same physical characteristics, so the carrier can be passed between systems.

• Be compatible with the Robotino (AGV) docking system

• Have an available CIROS Model, to allow for simulation of the expanded system.

These are the reasons for which the procurement could be completed only from the supplier of the existing system.

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

The procurement is covered by the Government Procurement Agreement: Yes

Section V. Award of contract/concession

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

15 July 2022

V.2.2) Information about tenders

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

V.2.3) Name and address of the contractor/concessionaire

Didactic Services Ltd

Tunbridge Wells

Country

United Kingdom

NUTS code

- UKJ4 - Kent

The contractor/concessionaire is an SME

No

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

Total value of the contract/lot/concession: £268,821.48

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Royal Courts of Justice

London

Country

United Kingdom