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Tender

Industry 4.0 Teaching and Learning Technologies

University of Wales Trinity Saint David

F02: Contract notice

Notice identifier: 2021/S 000-008105

Procurement identifier (OCID): ocds-h6vhtk-02a71a

Published 16 April 2021, 4:54pm

Section I: Contracting authority

I.1) Name and addresses

University of Wales Trinity Saint David

Carmarthen Campus

Carmarthen

SA31 3EP

Email

heidi.davies@uwtsd.ac.uk

Telephone

+44 1267676767

Country

United Kingdom

NUTS code

UKL18 - Swansea

Internet address(es)

Main address

<http://www.tsd.ac.uk>

Buyer's address

https://www.sell2wales.gov.wales/search/Search_AuthProfile.aspx?ID=AA0343

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

<https://www.sell2wales>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.sell2wales>

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://www.sell2wales>

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

Industry 4.0 Teaching and Learning Technologies

Reference number

UWTSD2021/150

II.1.2) Main CPV code

- 48921000 - Automation system

II.1.3) Type of contract

Supplies

II.1.4) Short description

The primary scope of this tender is to design, supply, install and commission hardware for a flexible manufacturing system that can act as a physical demonstration learning system for relevant and latest industry 4.0 technologies. The system will need to be sited in the Automation and Robotics Laboratory at the UWTSD Campus in Swansea Waterfront Campus IQ Building Island Rd, Swansea SA1 8EW.

The proposed systems need to be able to facilitate digital twin modelling with the current UWTSD Siemens Tecnomatix software and any further requirements for this should be identified.

This tender opportunity should consider an integrated physical hardware system with options such as, but not limited to;

- a. Range of manufacturing Process Operations.
- b. Assembly Operations (both manual and automated.)
- c. Potential for integration with existing UWTSD Robotics (UR3s and UR10s for example.)
- d. Opportunities for Measurement Systems Analysis teaching and learning.
- e. Vision and Quality Inspection including product pass / fail identification.

- f. Automated Warehousing and Storage using RFID technology.
- g. Integrated automated guided vehicles with an open programming environment such as C++, Matlab and MS Robotics Developer Studio.
- h. Energy usage analysis.
- i. Cyber Security Vulnerabilities and Protection

II.1.5) Estimated total value

Value excluding VAT: £400,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42000000 - Industrial machinery

II.2.3) Place of performance

NUTS codes

- UKL14 - South West Wales

Main site or place of performance

Swansea

II.2.4) Description of the procurement

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- d. Opportunities for Measurement Systems Analysis teaching and learning.
- e. Vision and Quality Inspection including product pass / fail identification.
- f. Automated Warehousing and Storage using RFID technology.
- g. Integrated automated guided vehicles with an open programming environment such as C++, Matlab and MS Robotics Developer Studio.
- h. Energy usage analysis.
- i. Cyber Security Vulnerabilities and Protection

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

36

This contract is subject to renewal

No

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

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

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

Date

17 May 2021

Local time

12:00pm

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

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Tender must be valid until: 31 August 2021

IV.2.7) Conditions for opening of tenders

Date

17 May 2021

Local time

12:00pm

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 Sell2Wales Web Site at

https://www.sell2wales.gov.wales/Search/Search_Switch.aspx?ID=109873.

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.sell2wales.gov.wales/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.

Under the terms of this contract the successful supplier(s) will be required to deliver Community Benefits in support of the authority's economic and social objectives. Accordingly, contract performance conditions may relate in particular to social and environmental considerations. The Community Benefits included in this contract are:

Suppliers are expected to consider how they might provide community benefits through its engagement and delivery of the contract and should prepare an outline community benefits plan as part of the tender.

(WA Ref:109873)

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