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Opportunity

## **Industry 4.0 Teaching and Learning Technologies**

University of Wales Trinity Saint David

F02: Contract notice

Notice reference: 2021/S 000-008105

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](mailto: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](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

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## **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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- 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

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## **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

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## **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

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## **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](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](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