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Business Opportunity

Title: UK-Sheffield: 1819-45-HWB-SAS Force Plates for the Advanced Wellbeing Research Centre (OJEU)

Document Type: Contract Notice

Published By: Sheffield Hallam University

Date Published: 28 January 2019

Deadline Date: 26 February 2019

CONTRACT NOTICE – NATIONAL

Notice Type: [SERVICES](#)

1 Authority Details

1.1 Authority Name and Address

Official Name: Sheffield Hallam University		
Postal Address: N/A		
Town: Sheffield	Postal Code:	Country: UK
For the attention of: N/A	Telephone: N/A	
E-Mail:	Fax: N/A	
Internet Address (URL):		

1.2 Address from which documentation may be obtained

[As in 1.1](#)

1.3 Completed documents must be returned to:

As in 1.1

2 Contract Details

2.1 Title

1819-45-HWB-SAS Force Plates for the Advanced Wellbeing Research Centre (OJEU)

2.2 Description of the goods or services required

Sheffield Hallam University is one of the most progressive and innovative universities in the country. It has an annual turnover exceeding £260 million and employs over 4,400 staff. The University has over 30,000 students enrolled (including more than 2,000 overseas students) across more than six hundred courses. Of these, 24,000 are undergraduate students and over 6,000 are postgraduates (taught and research).

The University has recently launched its new strategy which sets out an ambitious vision to be the world's leading applied University. Our mission is simple: we transform lives. We do this by shaping our students' futures and preparing them for whatever they choose to do, and by creating knowledge that provides practical solutions to real world challenges. Behind this statement of mission, the strategy outlines four 'pillars'.

- Shaping Futures
- Creating Knowledge
- Leading Locally and Engaging Globally
- Building a Great University

The University comprises four academic faculties and sixteen professional services that provide corporate services and support to the faculties. These are shown below. The faculties are sub-divided into subject based departments and incorporate a number of nationally and internationally recognised research institutes and centres.

Faculties Faculty of Health and Wellbeing ("HWB")

Sheffield Business School ("SBS")

Faculty of Social Sciences and Humanities ("SSH")

Faculty of Science, Technology and Arts ("STA")

Professional Services

Admissions & UK Recruitment

Education and Employer Partnerships

Human Resources & Organisational Development

Library & Student Support Services

Registry Services

Student Engagement, Evaluation & Research

Communications & Development

Facilities

Global Engagement

Marketing

Research and Innovation Office

Digital Technology Services

Finance & Planning

Learning Enhancement & Academic Development

Secretariat and Governance Services

The University is a Higher Education Corporation as defined under the Education Reform Act 1988, and also enjoys exempt charitable status by virtue of that Act. The University includes all wholly owned subsidiaries of the University, including but not limited to SHULaw

Further information on the University can be found at <http://www.shu.ac.uk>

The University requires force plates for the Faculty of Health and Wellbeing (HWB). The equipment required will be used within the Advanced Wellbeing Research Centre (AWRC) in Sheffield, which is a £14.8m facility under construction on the Olympic Legacy Park.

The primary aim of the AWRC is to create innovations that will improve health (using physical activity as the principal intervention), tackling key issues such as static levels of physical activity, rising obesity and mental health whilst also attracting new jobs and investment to the region.

Force plates enable the assessment of ground reaction forces in three planes to investigate basic components of human movement capability. Assessment of ground reaction forces and associated derivatives are critical to describe and explain human movement. Direct applications of the use of force plates range from the measurement of force during sprinting in elite athletes, to changes in force as a result of an exercise intervention for patients with diseases that impair basic movement. The force platforms are an essential part of the biomechanics infrastructure as they allow the measurement of kinetics (forces between the foot and the ground). In combination with the motion capture system, they allow the inference of joint moments and powers, which are important for assessment of movement in both sporting and healthcare contexts.

The AWRC requires six force plates that can be re-arranged into pits built into the laboratory floor. The primary configuration is 4 adjacent force plates in the centre of the laboratory, aligned along their long axes to provide a 3.6m long continuous measurement surface to capture a minimum of two steps during running. Two additional force plates will be mounted to the sides of the central 2 force plates to allow left and right foot contacts to be captured separately for walking gaits.

There will be two sets of two additional pits located at the edge of the laboratory, to allow additional testing of walking, jumping or static balance whilst the centre of the lab is being used for other purposes. A total of 12 pits/beds, 6 force plates and 6 blanking plates. The Force Plants are to interface with the AWRC Motion Capture System (Project reference 1819-46-HWB-SAS)

2.3 Notice Coding and Classification

2.4 Total quantity or scope of tender

3 Conditions for Participation

3.1 Minimum standards and qualification required

4 Administrative Information

4.1 Type of Procedure

The procedure type is unknown.

4.2 Reference number attributed to the notice by the contracting authority

1819-45-HWB-SAS

4.3 Time Limits

Responses by 26-02-2019 Time 14:00

4.5 Language or languages in which tenders or requests to participate can be drawn up

EN

4.6 Tender Submission Postbox

5 Other Information

5.1 Additional Information

Please visit the following portal to view this notice:

<https://in-tendhost.co.uk/sheffieldhallamuniversity.aspx/ProjectManage/530>

Date documents can be requested until : 26 Feb 2019 at 14:00 hrs

(MT Ref:284849)

5.2 Additional Documentation

5.3 Publication date of this notice

28-01-2019