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Award

LU01020 - Object Aware PTV

Loughborough University

UK5: Transparency notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-004973

Procurement identifier (OCID): ocds-h6vhtk-060a50 ([view related notices](#))

Published 20 January 2026, 4:05pm

Scope

Reference

LU01020

Description

The School of Architecture, Building and Civil Engineering (ABC) have a requirement for a 3D time-resolving particle tracking velocimetry system to obtain 360-degree volumetric flow measurements around complex obstacles.

The system requires capability to capture fluid interactions with dynamic and deformable structures (e.g. wind turbines, swimming humans/animals and vegetation), integrating structural kinematics and flow calculation.

It needs to be an LED-based system to allow flexible use in open laboratories (i.e. no lasers), with the ability to apply to experiments in both air and water, with approximate range of cubic measurement volume of length = 0.05 m – 0.3 m

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Contract 1. Object Aware PTV

Supplier

- LAVISIONUK Limited

Contract value

- £255,000 including VAT

Above the relevant threshold

Earliest date the contract will be signed

9 February 2026

Contract dates (estimated)

- 10 February 2026 to 9 July 2026
- 5 months

Main procurement category

Goods

CPV classifications

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

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Direct award

Direct award justification

Single supplier - technical reasons

The LaVision Object Aware Particle Tracking Velocimetry (OA PTV) is a globally unique solution for flow-structure interaction.

LaVision OA PTV integrates structures directly into data acquisition - this provides globally unique capability flow around moving and deforming structures. This is the only system with such an integrated capability in 3D PTV flow calculations.

This functionality is essential for the research and work planned.

Supplier

LAVISIONUK Limited

- Public Procurement Organisation Number: PGZP-4722-VYGG

2 Minton Place, Victoria Road, Bicester

Oxfordshire

OX26 6QB

United Kingdom

Contact name: Dave Hollis

Email: dhollis@lavidision.com

Region: UKJ14 - Oxfordshire

Small or medium-sized enterprise (SME): Yes

Voluntary, community or social enterprise (VCSE): No

Contract 1. Object Aware PTV

Contracting authority

Loughborough University

- Public Procurement Organisation Number: PRGT-9932-PLJN

Finance Office, Rutland Building

Loughborough

LE11 3TU

United Kingdom

Contact name: Chris Stacey

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Email: c.n.stacey@lboro.ac.uk

Region: UKF22 - Leicestershire CC and Rutland

Organisation type: Public authority - sub-central government