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Tender

Liquid Hydrogen Flow Conditioning Module for Experimental Programme

Health and Safety Executive

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-012836

Procurement identifier (OCID): ocds-h6vhtk-064ee7

Published 12 February 2026, 12:14pm

Scope

Reference

T4881

Description

HSE require a liquid hydrogen flow conditioning module for use during a research test programme. The flow conditioning module should be able to produce a flow of cryogenic gaseous hydrogen at a set flow rate (between 30 - 400 g/s) and temperature (between 25 - 50 K).

It is envisaged that the majority of the vaporisation could be achieved by use of a heat exchanger. This can be electrically powered and use direct contact or a medium (air, water or another fluid) as the heat exchange medium. For fine temperature control, the system can use ambient temperature gaseous hydrogen injected into the flow through a control valve.

The system should include a control loop which takes a signal of outlet temperature as an input to modify the heat input into the cryogenic flow.

A Q&A drop in session for regarding this tender will be held on 23/02/2026 at 10:00 GMT
Please respond VIA In-tend for invitation details.

Full description and diagrams available on in-tend

Total value (estimated)

- £80,000 excluding VAT
- £96,000 including VAT

Below the relevant threshold

Contract dates (estimated)

- 1 September 2026 to 1 September 2026
- 1 day

Main procurement category

Goods

CPV classifications

- 38810000 - Industrial process control equipment

Contract locations

- UK - United Kingdom

Submission

Enquiry deadline

6 March 2026, 1:00pm

Tender submission deadline

16 March 2026, 1:00pm

Submission address and any special instructions

All tender documents are available via the HSE In-Tend supplier e-procurement portal. All responses and requests for clarification must be submitted via the portal. Registration is free of charge and can be completed via the following link:

<https://in-tendhost.co.uk/hse>

Tenders may be submitted electronically

Yes

Award criteria

The successful supplier(s) will be selected based on ability to deliver the components required, fully meeting the specifications (or proposing other suitable solutions) and at best the price.

Procedure

Procedure type

Below threshold - open competition

Contracting authority

Health and Safety Executive

- Public Procurement Organisation Number: PBXM-4389-TXVZ

Redgrave Court, Merton Road, Bootle, Merseyside

Liverpool

L20 7HS

United Kingdom

Email: tenders@hse.gov.uk

Region: UKD73 - Sefton

Organisation type: Public authority - central government