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Planning

## **Liquid Hydrogen Flow Conditioning Module for Experimental Programme**

Health and Safety Executive

UK3: Planned procurement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-085291

Procurement identifier (OCID): ocds-h6vhtk-05fb4c

Published 22 December 2025, 11:09am

### **Scope**

### **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).

Liquid hydrogen will flow into the conditioning module in which the liquid hydrogen will be vaporised and temperature controlled. A supply of gaseous hydrogen is available to mix and heat the liquid flow if required, though a suitable design will reduce the flow requirements of ambient temperature hydrogen. A supply of water is also available as a heat exchange medium if required, or other heat exchange fluid may be used

The equipment is required for use at the HSE Buxton (SK17 9JN) test site.

HSE is seeking to understand the design of potential solutions and the associated costs of manufacturing this equipment.

Suppliers should email [tenders@hse.gov.uk](mailto:tenders@hse.gov.uk) with any questions and costs associated with

supplying the above.

### **Contract dates (estimated)**

- 1 March 2026 to 31 March 2027
- 1 year, 1 month

### **Main procurement category**

Goods

### **CPV classifications**

- 38800000 - Industrial process control equipment and remote-control equipment

### **Contract locations**

- UK - United Kingdom

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## **Participation**

### **Particular suitability**

Small and medium-sized enterprises (SME)

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## Submission

### Publication date of tender notice (estimated)

5 January 2026

### Tender submission deadline

2 February 2026, 11:59pm

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## Procedure

### Procedure type

Below threshold - open competition

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## 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](mailto:tenders@hse.gov.uk)

Region: UKD73 - Sefton

Organisation type: Public authority - central government