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Planning

## **Hydrogen Internal Combustion Engine (HICE) Technology - Market Capability**

Transport for Wales

UK2: Preliminary market engagement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-036685

Procurement identifier (OCID): ocds-h6vhtk-055756

Published 2 July 2025, 10:52am

### **Scope**

### **Description**

Transport for Wales (TfW) are interested in exploring the potential opportunities that Hydrogen Combustion Engines (HICE) could offer in the decarbonisation of the Welsh bus fleet. As part of our project exploring HICE, we are conducting market engagement to understand both the market and technology capabilities. Please note that this market engagement exercise is for information-gathering purposes and does not constitute a commitment to initiate a procurement process or award any contract.

### **Total value (estimated)**

- £1 excluding VAT
- £1 including VAT

Below the relevant threshold

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

- 1 October 2025 to 31 March 2026
- 6 months

### **Main procurement category**

Goods

### **CPV classifications**

- 24111000 - Hydrogen, argon, rare gases, nitrogen and oxygen
- 34000000 - Transport equipment and auxiliary products to transportation
- 50117000 - Vehicle conversion and reconditioning services

### **Contract locations**

- UK - United Kingdom

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## **Engagement**

### **Engagement deadline**

31 July 2025

### **Engagement process description**

Transport for Wales (TfW) are interested in exploring the potential opportunities that

Hydrogen Combustion Engines (HICE) could offer in the decarbonisation of the Welsh bus fleet. As part of our project exploring HICE, we are conducting market engagement to understand both the market and technology capabilities.

We would be interested in talking to businesses who:

- Currently provide HICE both with installation to a vehicle and without.
- Are developing a HICE product
- Run vehicles with HICE
- Are considering or have considered running HICE vehicles

Our primary interest is in buses, however given the limited deployments of HICE buses, we would be interested in hearing about vehicles of all types.

If your business aligns with the above, please email [supplychain@tfw.wales](mailto:supplychain@tfw.wales) by 31st July 2025 with a short overview of your interest in HICE and a member of the team will be in touch to arrange a meeting.

Please note that this market engagement exercise is for information-gathering purposes and does not constitute a commitment to initiate a procurement process or award any contract.

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## **Contracting authority**

### **Transport for Wales**

- Companies House: 09476013

3 Llys Cadwyn

Pontypridd

CF37 4TH

United Kingdom

Email: [supplychain@tfw.wales](mailto:supplychain@tfw.wales)

Website: <http://www.tfw.wales>

Region: UKL15 - Central Valleys

Organisation type: Public authority - sub-central government

Devolved regulations that apply: Wales