

How can we further develop hydrogen and hydrogen blend leak detection devices?

EIP056

28 February 2023

Background

- Hydrogen and hydrogen blends have different flammable ranges to natural gas. Gas detection covers three main areas currently: in-home leak detection, personal safety monitors for operatives, and survey detectors for operatives.
- For gas engineers, new gas detection devices will be required for hydrogen and hydrogen blends - how can we improve on the current techniques and devices used whilst also developing instruments which allow seamless switch over to the various gases the network will see?
- For in-home detection of hydrogen, further development is required. Are there opportunities to go further than current (prototype) devices and develop smart detectors?

Enablers and Constraints

- Hydeploy2 project
- H21
- H100
- Solutions are needed by 2025 - 2027 when we will start to see the first hydrogen village and blend networks.

Involvement and Implementation

- Key Stakeholders
 - Gas network engineers
 - Gas detection OEMs
 - Sensor OEMs
 - Data scientists
- Target Market
 - Gas networks
- Target Implementation Date
 - Solutions are needed by 2025-2027

Energy Innovation Basecamp

28 February 2023
ICC Birmingham

#Basecamp28

Participant joining code
[Slido.com](https://www.slido.com)

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