



H2FLOWTRACE

Flow measurement traceability for hydrogen in gas networks

About the project

Large-scale decarbonised hydrogen projects are expanding across Europe, nevertheless there is no large-scale verified metrological infrastructure to perform traceable pure hydrogen flow calibrations for gas networks.

H2FlowTrace aims to develop the required metrological infrastructure, which has the potential to reinforce Europe's leading position in the hydrogen economy.

The partners



The objectives

- Establish robust metrological infrastructure for flow rates and pressures applicable to the transmission and distribution gas networks
- Design and test traceability transfer skids for pure hydrogen and hydrogen/natural gas blends
- Perform (i) primary calibrations of domestic gas meters and (ii) primary and secondary calibrations of industrial gas meters
- Demonstrate the establishment of an integrated European metrology infrastructure facilitating the take up of the developed technologies



The project has received funding from the European Partnership on Metrology, co-financed from the European Union's Horizon Europe Research and Innovation Programme and by the Participating States.