

## June 2021 newsletter

Hy4Heat is still running until the end of 2021, but it's gratifying to be getting some accolades recognising the programme. Thanks goes to the programme team and colleagues from across the industry who've been delivering the work packages.

### Hydrogen Colourant report published

The Hydrogen Colourant report is now available. It's a study to determine if there is a requirement for adding a colourant to hydrogen to ensure that safe burning and user acceptance is achieved and to investigate the optimum solution if a colourant is required. The recommendation is that adding

colourant to a future hydrogen gas network for use within buildings is not necessary if engineering measures are put in place to enable safe appliance operation.

### Hy4Heat programme manager Heidi Genoni named Hydrogen Woman of the Year

Arup Hy4heat programme manager Heidi Genoni, has been named 2021 Hydrogen Woman of the Year - in part for her work bringing a diverse group of companies and organisations together to deliver the programme's work packages.



## MCA Awards finalist



Arup has been shortlisted for an MCA (Management Consultancies Association) Award and is a finalist in the Change and Transformation in the Public Sector category, for its work with BEIS on Hy4Heat

looking at the feasibility of using hydrogen in homes for heating and cooking to help meet net zero carbon emissions. The project has facilitated the moving of UK hydrogen heating technology from Technology Readiness Levels of 1-to-2 up to 8-to-9; so from a position of academic knowledge and understanding, to one of commercial market readiness.



## Hy4Heat prototype boiler awarded Best Heating Innovation at Green Home Awards

Worcester Bosch's 100% hydrogen ready prototype boiler took the award at the first ever Green Home Awards as judges saw it as best-in-class practical evidence of how to achieve net zero. The

boiler can run on natural gas until hydrogen becomes available and then converted to run on hydrogen with just two or three components.



## Gas Industry Awards innovation winner

Baxi Heating's development of a boiler fuelled by hydrogen has won the Innovation category at the Gas Industry Awards. The hydrogen boiler has been developed as part of its commitment to be a cleaner, greener manufacturing business.

Baxi's Sustainability Pledge, launched last year, will ensure that every one of its products will work with low carbon energy by 2025.

## Hydrogen Home

The Hydrogen Home in Low Thornley, Gateshead - equipped with hydrogen-fuelled appliances from the Hy4Heat programme - is almost ready to open its doors to the public. The houses are being built by Northern Gas Networks in partnership with Cadent Gas Ltd and BEIS and will be open to the visitors later in the summer. People can request a visit by emailing [hydrogenhome@northerngas.co.uk](mailto:hydrogenhome@northerngas.co.uk)

## Get in touch

If you've received this quarterly newsletter you're on our database to receive updates about the Hy4Heat programme and its progress. We're only expecting to produce a couple more newsletters (after this one) before Hy4Heat programme is completed, at the end of the year. Our website [www.hy4heat.info](http://www.hy4heat.info) will contain all the information and published reports from the programme. Any questions get in touch [hy4heat@arup.com](mailto:hy4heat@arup.com)