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BDR THERMEA GROUP

Baxi Heating's parent company, BDR Thermea Group, is at the forefront of developing hydrogen boilers for domestic heating. We have a range of demonstration projects across western Europe.

Hydrogen benchmarks.

20% Hydrogen

A blend of 20% hydrogen to be added to the natural gas mix we use today in existing heating appliances, to keep disruption to a minimum whilst reducing emissions.

100% Hydrogen READY

With a few small alterations using an approved conversion kit, specifically designed hydrogen ready boilers can be converted to work on 100% hydrogen.

100% Hydrogen

These boilers are ready to work with 100% hydrogen at point of installation.

If you would like to find out more about the development of our hydrogen boiler, please contact:

E: hydrogen@baxiheating.co.uk

W: baxiheating.co.uk/the-future-of-heat

T: 0344 871 1545



Baxi Hydrogen

Zero carbon technology for a sustainable future.

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Why hydrogen?

Hydrogen is carbon-free at the point of use, so no carbon emissions and no risk of carbon monoxide poisoning

- Households and businesses can continue to use their heating and hot water in the same way they do today without major changes to their central heating systems or homes
- Hydrogen boilers are similar to a conventional boiler to install and commission - low disruption for householders

Our hydrogen boiler.

Features and benefits

- Hydrogen ready combi and system boilers being developed
- Zero carbon dioxide and zero carbon monoxide emissions - safer and cleaner than a conventional boiler
- Very low NOx emissions
- Similar installation and commissioning to a conventional boiler - low disruption for householders
- Compact dimensions and low lift weight
- 28kW modulating thermal output



HyStreet, Spadeadam, Cumbria

As part of the H21 project, we installed hydrogen fuelled boilers at 'HyStreet', in specially built demonstration houses at DNV's specialist test site at Spadeadam in Northumberland. The site has been used to complete over 200 tests, researching and proving the safety of converting homes and gas networks to hydrogen.



100% Hydrogen Home, Low Thornley, Gateshead

We installed a Baxi hydrogen boiler in the nation's first public showcase of a 100% Hydrogen Home demonstration, built in partnership with the Department for Business, Energy and Industrial Strategy (BEIS) and gas distribution network companies Cadent and Northern Gas Networks. It is part of a project to demonstrate the use of hydrogen-fuelled appliances in a real-world setting and signals a clear step in the progression of hydrogen technology for heating UK homes.

