

ADVECO NEWSLETTER

November 2022

Welcome to Adveco's monthly roundup,

First of all we are incredibly proud to announce that Building & Facilities News Magazine named Adveco Company of the Year in its annual awards last week.

The award is a reflection of the hard work the company has undertaken to introduce greater sustainability into commercial sector water heating. The magazine's editorial panel considered technical developments and new products, application design and sales support to deliver final customer installations, and digital content that informs and advises the marketplace. We ticked all the boxes for their judging team in a year that has challenged the sector, but has seen Adveco strengthen and further define its position as the UK's specialist when it comes to creating hot water applications for commercial-scale projects.

[READ THE BUILDINGS & FACILITIES NEWS AWARD ISSUE](#)



Our work will be further showcased later this month at CIBSE Build2Perform, as we continue to build out our range of products to help support those organisations looking to embrace net zero and begin the process of decarbonisation. If you haven't registered to attend do consider doing so.

It is therefore timely, that we have now also confirmed that our existing gas water heater ranges, the ADplus and AD, as well as the MD boiler range are all 20% hydrogen blend ready. This is great news for buildings with existing gas connections that face the physical and potentially financial challenge of integrating renewables.

What Does Hydrogen Blend Ready Mean For You



For organisations currently on gas, its operation still remains more cost-effective than moving to direct electric systems but does not deliver a clear investment in sustainability. However, the potential to use hydrogen to accelerate decarbonisation of a property offers a low capital cost alternative.

For those wishing to adopt the hydrogen approach, there remains a question mark over how quickly, where and in what proportion hydrogen will be introduced into the gas grid. The ultimate aim is to introduce 100% green hydrogen via the existing gas network. This will require appliances to be factory configured to burn hydrogen only, or be hydrogen-ready, whereby natural gas-compliant appliances can be converted to operate on hydrogen only in the future. These appliances, with the exception of some regional test deployments of hydrogen, are not expected to be actively used with 100% hydrogen until well into the 2030s at the earliest, with a potential national roll-out predicted for the 2040s.

As an interim, the UK is assessing the potential for introducing hydrogen into the existing gas network as a blend at 20% volume to deliver a safer, greener gas alternative that reduces carbon emissions. A blended gas grid has the potential to become a reality by the late 2020s, enabling organisations to become used to working with hydrogen as an energy source with less disruption and no noticeable change in how gas is used within the property. For commercial organisations which have recently invested in, or plan to refurbish, existing non-hydrogen-ready gas appliances, the most recent condensing gas-fired models currently on the market should already be able to burn natural gas with a blend of up to 20% hydrogen without requiring any modification.

We recently confirmed that our current ranges of high efficiency, ultra-low emission gas-fired condensing water heaters, the instantaneous ADplus and semi-instantaneous AD, as well as the MD boiler range, are all hydrogen 20% blend ready. That gives you peace of mind when investing in gas-fired water heating applications today with proven technology for a practical, future-proof path for well into the 2030s. At that point we believe 100% hydrogen technology will have matured enough, and be cost-effective, for commercial water heating applications whilst the grid will begin to undergo significant development at a national scale to support full green gas supply as we approach 2050.

GAS FIRED WATER HEATING

CIBSE BUILD 2 PERFORM 2022



This November 29th - 30th 2022, Adveco will be making a splash at The Chartered Institution of Building Services Engineers (CIBSE) **Build2Perform** live event at Excel, London. This will provide an opportunity to meet with our sales and engineering team members to discuss any current and upcoming commercial projects that require domestic hot water systems. We will be showcasing our FUSION hybrid hot water system featuring air source heat pump, as well as the new ARDENT electric boiler, ADplus condensing gas-fired water heater, solar thermal, and hot water cylinder range. There will also be a few show exclusives for those who visit stand 345.

In addition, technical director, Bill Sinclair, will be attending on the 30th to present our brand new CPD on best practices for electric based commercial hot water systems. You can attend Bill's presentation for free at CPD Theatre 3 at 12.15-13.00.

[Register for free](#) for the 2022 CIBSE Build2Perform exhibition.



Building Sustainability Into The Public Sector

The march to produce a sustainable public sector is generating a wealth of challenges for organisations, not least where to begin making a difference now. At Adveco we would argue for starting with water heating.

The provision of domestic hot water (DHW) applications can be a major source of energy demand for public sector organisations. Accounting for as much as 30% of a property's total daily energy usage, water heating regularly contributes to carbon emissions and increased running costs. From education to healthcare, it is also a necessity for day-to-day operations.

Addressing how hot water is generated to meet demands is a sensible place to begin tackling net zero issues, reducing energy usage and emissions in a practical real-world manner that sets an agenda for positive investment in sustainability. Whether the project is a new build or refurbishment of an older property sustainability gains can be achieved right now without addressing the fabric of the building...

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What's New From Adveco



AD Wall Mounted Water Heater

AD wall-mounted is a range of 'A' class energy efficient water heaters available in three rated heat outputs, 27 kW (AD16), 33 kW (AD22) and 61 kW (AD37). When combined with a water cylinder, AD wall-mounted helps meet peak withdrawals without increasing the water heater power.

[FIND OUT MORE](#)

ADPlus Water Heater

The ADplus range of high-power gas-fired condensing water heaters featuring an integrated 120-litre stainless steel water storage tank for instantaneous continuous and on-demand domestic hot water (DHW). ADplus is available in three variants (70 kW, 115 kW and 140 kW rated heat output).

[FIND OUT MORE](#)

ARDENT Electric Boilers

ARDENT is designed to serve as an indirect water heater or heating system. Wall-hung and floor-standing variants for those seeking to avoid a reliance on gas energy supplies. In hard water areas the ARDENT electric boiler can be used to dramatically reduce the costly build up of damaging limescale.

[FIND OUT MORE](#)

Adveco 2022 Product Guide

Get our handy reference book for the complete range of Adveco products. Don't forget these are just the start of our offering, acting as the buildings blocks for your bespoke hot water systems...

[2022 PRODUCT GUIDE](#)

Discover Adveco's expanding range of low carbon and renewable products

[FPi R32 monobloc Air Source Heat Pump](#)

[L70 Air Source Heat Pumps for larger projects](#)

[FUSION pre-sized hybrid hot water systems](#)

[Solar Thermal Drainback Systems](#)

[Hot Water Cylinders, Indirect Water Heaters, Calorifiers & Buffers](#)

[Commercial Gas-Fired Water Heaters](#)

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[Offsite Constructed Packaged Plant Rooms](#)



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