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Who we are?

H+H UK Ltd is the UK's largest manufacturer of aircrete building products, including the market-leading range of Celcon Blocks. The company operates three factories in England at Borough Green, Kent (also the site of the Head Office) and two plants at Pollington, East Yorkshire. The company has been operating in the UK for 75 years and employs some 200 people.

What is Aircrete?

Aircrete is a widely used building material in UK construction: its lightweight design, flexibility of use and inherent thermal efficiency make it ideal for the construction of all building types. Historically associated mainly with private sector housing, H+H enjoys longstanding relationships with the major housebuilders and the strength of these relationships has allowed H+H to collaborate in experimental projects to build increasingly energy efficient homes

Why would hydrogen help our company?

Hydrogen presents a valuable opportunity for our company to significantly reduce greenhouse gas emissions across our operations. As a clean energy source, hydrogen will enable us to transition away from carbon-intensive fuels, helping us meet our long-term sustainability commitments. By integrating hydrogen into our energy mix, we can actively reduce our environmental footprint while also decreasing our reliance on imported natural gas. This not only supports national energy security but also aligns with our strategic objective to operate more sustainably and responsibly.

What would you use the hydrogen for?

Our initial application for hydrogen would be to supply our industrial boilers. This transition would allow us to replace conventional fossil fuels currently used in the process, thereby cutting emissions from one of the most energy-intensive parts of our operations. We also see potential for broader applications in the future, as hydrogen technologies mature and become more widely accessible.

What are your decarbonisation goals?

We are committed to achieving net-zero emissions across our operations and product life cycles by 2050. As an intermediate milestone, we aim to achieve a 50% reduction in emissions intensity across Scope 1, 2, and 3 emissions by 2030, using 2019 as our baseline year. These targets reflect our commitment to playing a meaningful role in the global transition to a low-carbon economy, and the adoption of hydrogen is a key enabler in meeting these ambitions.

Quote:

"The implementation of hydrogen technology in our operations will help reduce carbon emissions and support the transition to a more sustainable future in the construction industry".

—Calum Forsyth, Managing Director