

BOC fuels next phase of UK government's Industrial Fuel Switching Demonstration

28th June 2023, Woking – BOC UK & Ireland, the UK's largest supplier of hydrogen, is pleased to announce its involvement in Phase 2 of the government's Industrial Fuel Switching (IFS) Competition, as the preferred supplier of hydrogen to six selected projects.

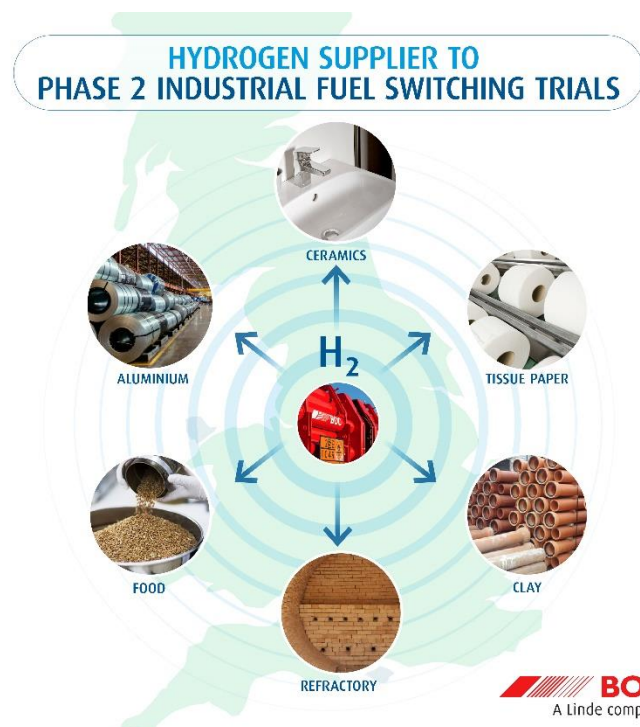
The Department for Energy Security and Net Zero's IFS Competition aims to demonstrate the feasibility of fuel switching and enabling technologies, to help industry switch away from high carbon fuels. Having successfully shown the feasibility of hydrogen as a low-carbon alternative in the previous round of the competition, BOC will now support demonstration of fuel switch solutions for industrial processes on further industrial sites.

The projects are funded through the UK Government's £55m Industrial Fuel Switching Competition, as part of the £1bn Net Zero Innovation Portfolio (NZIP).

In addition to supplying hydrogen, BOC will provide gas pressure control technology for the range of industrial processes selected, which include facilities recycling aluminium, and sites producing clay products, cereals and tissue paper across the UK.

In association with British Ceramics Confederation, BOC will work with Wavin Pipes, Ideal Standard and DSF Refractories. Simultaneously, subject to contract, BOC will also supply hydrogen for demonstration projects with Kellogg's, Essity and Novelis, which are being supported by Progressive Energy. First demonstrations are expected by the end of 2023, continuing into 2024.

These demonstrations represent a natural progression from the work demonstrated in the original IFS trials, in which BOC successfully delivered large scale hydrogen fuel switching demonstrations for projects with NSG Pilkington, Tarmac, Hanson and Unilever.



Wayne Bridger, UK Sales Manager - Decarbonisation, and Hydrogen Applications at BOC UK & Ireland said: *“From breakfast cereals to ceramics, these trials demonstrate the vital role for hydrogen-based decarbonisation across an even broader spectrum of UK industrial processes than ever before. Being the preferred supplier and operator of hydrogen in this key phase of the government’s competition, demonstrates BOC’s critical role in the drive to decarbonise UK industry.”*

Emissions from UK industry account for 16% of UK Greenhouse Gases emissions – the third highest-emitting sector. Industrial decarbonisation remains a crucial piece of the puzzle in delivering net zero, and hydrogen represents the most viable solution to decarbonising many of the hard-to-abate industrial processes. These new demonstrations help to realise hydrogen’s potential across a broader range of industries.

With over a century of experience in producing hydrogen, BOC is well positioned to supply hydrogen to all six successful projects. BOC has a leading capability in the UK to decarbonise high temperature industrial processes using oxygen and hydrogen, which it can supply at scale.

Andrew McDermott, Deputy Chief Executive of the British Ceramic Confederation, said: *“The funding of almost £6 million through the Industrial Fuel Switching Phase 2 Competition, as part of the £1bn Net Zero Innovation Portfolio, allows Phase 2 of the ‘Hydrogen for the Ceramics Sector’ project to progress. This is a vital project for UK ceramics and aims to demonstrate a key route to help decarbonise the sector. It will also provide a greater understanding about the use of hydrogen in an industrial setting that is capable of firing the vast array of ceramic products that are produced in the UK.”*

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NOTES TO EDITORS:

- BOC, a Linde company, is the UK and Ireland’s largest provider of industrial gases and is leading the drive to a greener future by helping its customers to decarbonise operations using a range of proven technologies.
- BOC is the UK’s leading supplier of hydrogen and operates one of the UK’s largest hydrogen production plants, in Teesside.
- BOC is an industry leader in hydrogen mobility and industrial decarbonisation, offering engineering expertise and end-to-end service that is proven, reliable and safe.

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