

## Johnson Matthey chosen for H2H Saltend low-carbon hydrogen project

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- H2H Saltend is a 600-megawatt low carbon hydrogen production plant with over 95% carbon capture rate, one of the first of its kind and scale in the UK
- Johnson Matthey's LCH™ technology selected for major FEED contract advancing H2H Saltend low carbon hydrogen project
- The licence counts towards JM's milestone of winning more than ten additional large-scale projects by 2023/24

Johnson Matthey (JM) has signed a LCH™ technology licence with Equinor and Linde Engineering for H2H Saltend, one of the UK's largest low carbon hydrogen (ccs-enabled) projects. JM was selected alongside our EPC partner Linde Engineering for the major FEED contract by Equinor. The licence counts towards JM's milestone of winning more than ten additional large-scale projects by 2023/24.

H2H Saltend is a 600-megawatt low carbon hydrogen production plant with over a 95% carbon capture rate, one of the first of its kind and scale in the UK, helping to establish the Humber as an international hub for low carbon hydrogen. This is the first phase of Equinor's 'Hydrogen to Humber' ambition to deliver 1.8 gigawatts of low carbon hydrogen production in the region, nearly 20% of the UK's national production target by 2030.

Due to be operational by 2027 and located at the energy intensive Saltend Chemicals Park, to the east of Hull, it will help to reduce the park's emissions by up to one third. To achieve this, low carbon hydrogen will directly displace natural gas in several industrial facilities reducing the carbon intensity of their products, as well as being blended into natural gas as the Equinor and SSE Thermal's Saltend Power Station.

The amount of CO<sub>2</sub> captured will be around 890,000 tonnes per year equivalent to taking about 500,000 cars off the road annually.

H2H Saltend is a vital project for the wider Zero Carbon Humber scheme, which aims to make the region net zero by 2040.

Alberto Giovanzana, Chief Commercial Officer, Catalyst Technologies at Johnson Matthey said: "Hydrogen will play an important role in helping us reduce carbon emissions. Using Johnson Matthey's LCH™ technology for this project will enable the production of hydrogen with 95% less emissions and demonstrate the UK's leadership in low carbon technologies. We're excited our technology was chosen to be at the heart of this leading project, creating huge energy efficiencies for our customers."

ENDS

Johnson Matthey is a global leader in sustainable technologies, catalysing the net zero transition. With over 200 years of sustained commitment to innovation and technological



breakthroughs, we improve the performance, function and safety of our customers' products. Our science has a global impact in areas such as low emission transport, energy, chemical processing and making the most efficient use of the planet's natural resources. Today, about 13,000 Johnson Matthey professionals collaborate with our network of customers and partners to make a real difference to the world around us. For more information visit [www.matthey.com](http://www.matthey.com)

**For further information**

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