

H2H Saltend



Photo of Saltend Chemicals Park (credit: px Group)

H2H Saltend

Equinor's H2H Saltend project will see the construction of a 600MW Auto Thermal Reformer (ATR) with carbon capture to produce blue hydrogen from natural gas.

The project is Equinor's kick-starter project to help decarbonise the UK's largest industrial emitting region, the Humber, with the hydrogen going to industrial users and also Triton Power's Saltend Cogeneration Station.

Triton's 1200MW Combined Cycle Gas Turbine (CCGT) Combined Heat & Power (CHP) station with Mitsubishi Hitachi Power Systems (MHPS) turbines will switch to a 30% hydrogen blend by 2026, significantly reducing emissions associated with power and steam production. It could be the UK's first CCGT to blend and burn significant volumes of hydrogen.

When it becomes operational at the end of 2026, H2H Saltend will contribute 12% of UK's target 5GW of clean hydrogen capacity by 2030 and cut CO2 emissions by 900,000 tonnes each year.

Equinor intends to build on this by tripling its hydrogen production in the Humber by 2030 to further grow the regional low-carbon economy.

H2H Saltend will support employment in the region with the construction and operation of the plant as well as jobs in production, transportation, storage and marketing.

The project, as part of the Zero Carbon Humber partnership, has been awarded funding by UK Research & Innovation to progress through its front-end engineering and development (FEED) stage.

H2H Saltend – Growing blue hydrogen in the UK – [equinor.com](https://www.equinor.com)