Welcome

Welcome to the Humber SAF Project consultation event

Thank you for taking the time to learn about the proposed Humber Sustainable Aviation Fuel (SAF) Project.

We are holding a consultation period between 08 June and 06 July 2026 to share more about our plans and gather feedback from local communities, stakeholders and businesses.

This feedback will help to inform the design and operation of the facility.

About Equinor

Equinor is an international energy company with a long-standing role in supplying energy to the UK. Alongside oil and gas, the company is developing low carbon solutions where there is clear industrial demand and supportive market frameworks.

In the Humber region, Equinor is involved in hydrogen, carbon capture and storage (CCS) and other energy transition projects.

The Humber SAF Project forms part of this growing portfolio, supporting the development of the Humber as a low-carbon industrial cluster and contributing to the UK's Net Zero Strategy.

Photomontage image: View of the proposed Humber SAF facility from the King Charles III England Coast Path, by the Killingholme High Lighthouse, South Killingholme, North Lincolnshire.

About SAF, why we need it

Decarbonising aviation

Aviation is responsible for around 2.5% of global carbon dioxide emissions and is one of the hardest sectors to decarbonise. To address this, the UK Government has set out its Jet Zero Strategy, which aims to achieve net zero aviation emissions by 2050.

Sustainable aviation fuel (SAF) is one of the most effective ways to reduce emissions from aviation. It is a lower carbon alternative to conventional jet fuel and can be used in existing aircraft and fuel infrastructure without modification.

The UK is already taking steps to scale up SAF production.

What is SAF?

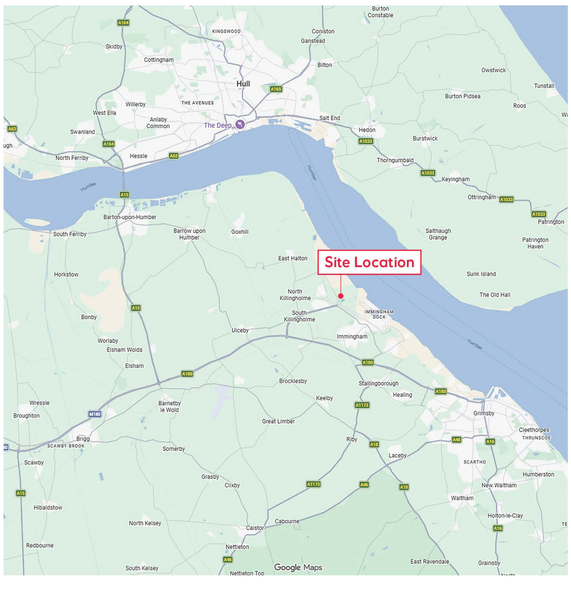
SAF is a liquid fuel that can be produced from several sources (known as feedstocks) including waste oil and fats, municipal waste, and non-food crops.

The Humber

The Humber plays an important role in the UK's decarbonisation ambitions, with a strong industrial base and potential to contribute to the transition of energy-intensive sectors.

Government support for low carbon clusters could help to drive progress in the region, supporting both the decarbonisation of existing industries and the development of newer technologies such as SAF.

With established infrastructure, connectivity and a skilled workforce, the Humber has the potential to develop further as a UK hub for SAF, subject to the right enabling conditions.



About the Project

The Humber SAF Project is a proposed new sustainable aviation fuel facility

Equinor Low Carbon UK Limited is proposing to build a Sustainable Aviation Fuel (SAF) production facility on the south bank of the Humber Estuary, near the Port of Immingham. If approved, the facility will support local industry and help reduce UK aviation emissions.

About the Humber SAF Project

The Project could support both local and national goals. It would reinforce the Humber as a low carbon industrial hub, while also reducing emissions from flying and helping achieve the UK's SAF targets.

Once up and running, the Project could produce more than 120,000 tonnes of sustainable aviation fuel each year – around 10% of what the UK is expected to need by 2030.

The Humber is a suitable location for the Project because it already has:

- Well established industrial infrastructure
- Good transport connections, including ports and pipelines
- A skilled local workforce
- An important role in the UK's transition to clean energy

Why here?

The site has been chosen due to its size and proximity to key infrastructure. It has good transport connections, including direct road access, nearby ports (namely the Port of Immingham), rail links, and Humberside Airport for both freight and passenger travel.

The red line in the image marks the outermost boundary of land required to construct and operate the facility.

Employment and Local Economic Benefits

The Project could also support the local economy by creating jobs, developing skills and supporting local businesses and supply chains.

During construction, it could safeguard and create up to 375 temporary jobs and around 113 permanent jobs in operation.

Supporting Wider Regional Growth

The Project would support wider regional plans to grow skills and create low-carbon jobs. This includes the Humber Economic Strategy 2025-2035 which states the Humber is nationally significant and has a key role in the UK's plan to create investment, growth and good jobs in energy industries and is central to the success of the Government's missions around economic and energy security and resilience. The North Lincolnshire Economic Growth Plan 2023–2028, also highlights innovation and clean industry as key opportunities to create high-skilled jobs.

The Humber SAF Project site

Location

The Project site covers around 43 hectares (equivalent to about 60 standard football pitches) and is located north of the Port of Immingham, just off Rosper Road and on both sides of Marsh Lane as shown on the plan below.

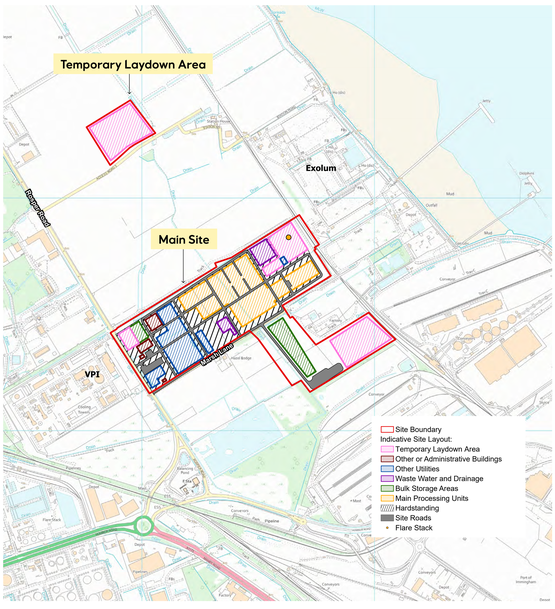
The site is in the Able Humber Port development, an established industrial area in the Humber Freeport. The Humber Freeport was designated to attract investment and support low carbon industries and advanced manufacturing in the Humber.

The main site would include a range of buildings and equipment needed to produce sustainable aviation fuel. There would also be a temporary laydown area to the north of the site to support the storage of materials and equipment during construction.

Photomontage image: view of the proposed Humber SAF facility from the Station Road/Rosper Road junction, looking South East.

The layout of the site is still being developed and is expected to include:

- Buildings required to produce and process SAF
- Storage areas for raw materials and fuel products
- Utility areas for services such as water and power
- Office space and facilities for staff working on the site



Access to the site during operation would be provided from Rosper Road and Marsh Lane. During construction, the site would have an access point from Station Road into the Temporary Laydown Area.

Making best use of the site location

The Project would mainly operate as a self-contained facility. As plans develop, we will also look at ways to integrate with nearby facilities where it makes sense. This could include storing materials offsite, supplying by-products to local refineries, and using treated water from neighbouring sites. Where possible, the Project will use local businesses and services, helping to support the local economy.

SAF production

Feedstock and SAF production process

SAF would be produced using certified sustainable methanol. Methanol is a liquid that can be manufactured using low-carbon processes, such as:

- Biogenic methanol, made from biological materials such as food waste or biomass; or
- Synthetic methanol, made from captured carbon using low-carbon energy.

At the facility, methanol would be converted using a well-established process known as **"methanol-to-jet"**.

Methanol is delivered by ship, arriving at a nearby jetty in Immingham Port, before being transferred to the facility via rail or pipeline.

At the site, methanol is converted into SAF using a methanol-to-jet process.

This aviation fuel is supplied to UK airports from the site by pipeline, road or sea.

By utilising sustainable methanol as a feedstock to produce synthetic hydrocarbon fuels, the Project will contribute directly to the decarbonisation of the aviation sector as well as the Humber region, helping to create one of the world's first net zero industrial hubs by 2040.

Methanol -to-Jet

The methanol-to-jet (MTJ) process uses methanol and hydrogen to make SAF.

First, the methanol is turned into small chemical building blocks. These are then combined and treated with hydrogen to create longer-chain hydrocarbons that are suitable for SAF. The mixture is then refined to remove impurities and improve stability.

Next, the different products are separated to isolate the SAF from other fuels that are created in the process, like diesel or naphtha*.

The SAF is then tested to make sure it meets quality standards before being stored.

Finally, in the case of the Humber SAF Project, it is transported off-site by pipeline, by road or by sea.

**Diesel and naphtha are bi-products, which can be sold and used for other purposes. Diesel is generally used for internal combustion engines, while naphtha is a liquid hydrocarbon mixture, used in plastic production.*

Environmental Impact Assessment

Environmental Impact Assessment (EIA)

We are undertaking an Environmental Impact Assessment (EIA) to assess the impacts from the proposed Humber SAF Project. An EIA is a process that helps protect the environment. It also ensures that stakeholders, including local communities, are given early and effective opportunities to participate in its development.

We recently submitted an EIA Scoping Request to North Lincolnshire Council to help define the scope of the environmental assessment. Feedback we receive to the Scoping Request, as well as feedback heard to this consultation will support us to refine our plans for construction and operation of the Project.

We are considering a range of important topics, including:

Protecting Wildlife
We are assessing how the Project could affect wildlife near the Humber Estuary. Surveys are underway, and measures will be put in place to protect habitats during construction.

Biodiversity
The Project will increase biodiversity by at least 10%, creating and improving habitats for the long term.

Traffic
The site will be accessed via the A160/A180 and local roads such as Rosper Road and Humber Road. Construction will increase traffic for a limited time and a plan will manage routes, timings and safety. Traffic will be much lower once the site is operational.

Noise
We are assessing potential noise during construction and operation, particularly for nearby homes. Some temporary noise is expected during construction, whilst operational noise will come from plant and equipment.

Water and Flood Risk
The site is low-lying and close to the Humber Estuary, within an area of flood risk. A Flood Risk Assessment will be undertaken as part of the environmental impact assessment. Engineering and design will be undertaken to reduce risks of flooding both on and off the site.

Landscape and Views
The site sits within an existing industrial landscape. We will assess how the development may affect views from nearby homes, roads and footpaths, including the King Charles III England Coast Path.

Heritage
The site has areas of potential archaeological interest and investigations are ongoing to consider how the Project would record and protect archaeological findings.

Job opportunities, local supply chain and how to get in touch

Skills, Jobs & Opportunities

Humber SAF Project Skills & Employment Plan

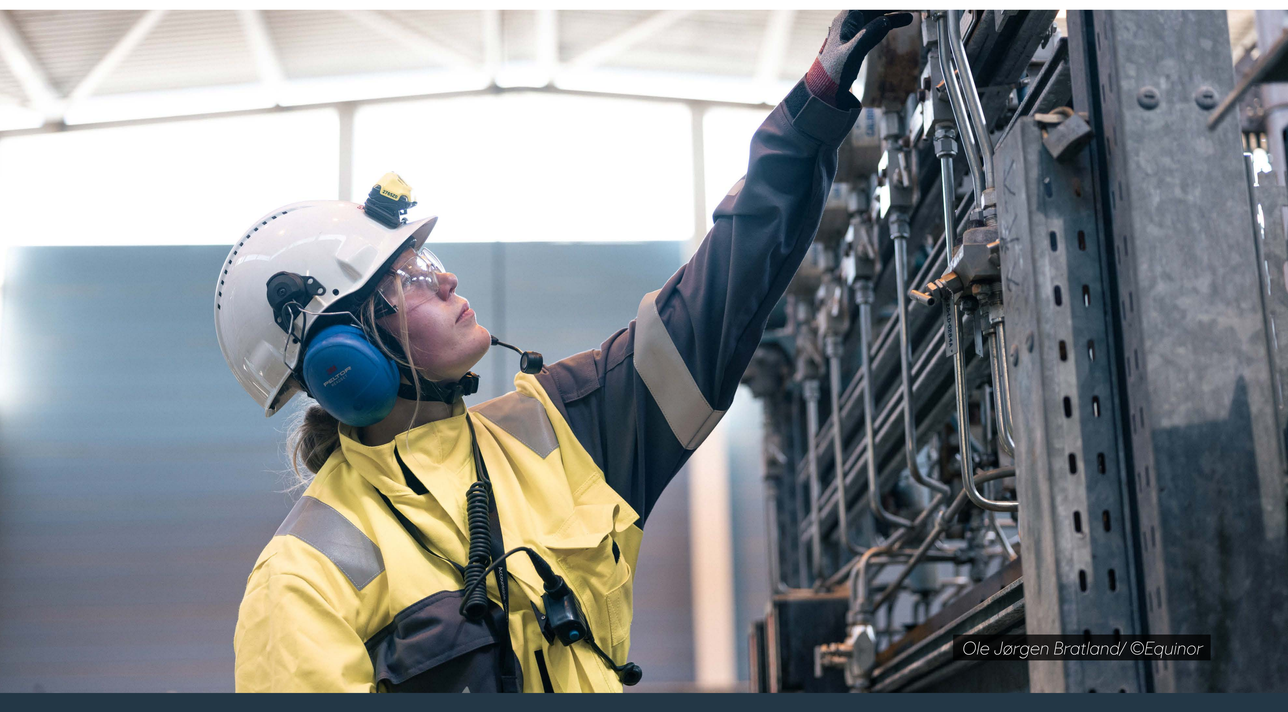
We are committed to delivering lasting benefits for local people by creating jobs, building skills, and supporting long-term careers. We are developing a Skills and Employment Plan with Cranfield University and the University of Hull, combining technical expertise with local knowledge.

Our approach focuses on preparing local people to access new opportunities by planning early for the skills the Project and its supply chain will require. We aim to create high-quality jobs that are safe, secure, and offer career progression. We will work with local colleges and training providers to align courses and apprenticeships with these needs, support people at different career stages, and promote an inclusive workforce. This includes helping workers transition from traditional industries into low-carbon roles.

STEM & Future Careers

We are also developing a STEM programme with local partners to inspire young people aged 16–19. Through hands-on learning and practical activities, it will build awareness of SAF and support pathways into future careers in the Humber.

You can find out more by speaking to a member of the team.



Ole Jørgen Bratland/ ©Equinor

Your feedback and next steps

What happens next?

This consultation is part of the pre-application stage, alongside environmental studies and technical assessments which will inform the ongoing design of the facility. Your feedback will support us to refine our plans for construction and operation of the Project.

We are aiming to submit a planning application for the facility to North Lincolnshire Council in 2027. This will include an Environmental Statement, which will report on the findings of our environmental assessment.

Project timeline

Engineering studies, environmental assessment and consultation:
2025 and 2026

Application for consent submitted to North Lincolnshire Council:
Planned for 2027

Construction period:
2028 – 2031

Operation:
2031 – 2056
(approximately 25 years)

Working with businesses and communities

As work progresses we wish to build relationships with local stakeholders, regional businesses, universities, educational and training institutions, with the aim of delivering benefits to the local community.

We welcome your suggestions on how we can get local businesses and communities involved in our plans.

Please leave your feedback by

- Leaving your feedback with a member of the team at one of our events
- Completing a feedback form online at our website: www.humberSAF.com
- Phoning us and leaving a message: 02032 065110
- Writing to us or contacting the Project team by email or post: humbersaf@equinor.com

Thank you for taking the time to participate.