

The UK Government's SAF programme

10% SAF

the UK's ambition by 2030

£15m

Green Fuels, Green Skies competition in 2021-2022

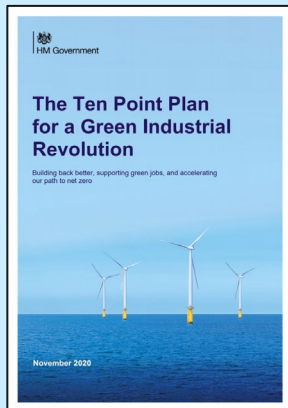
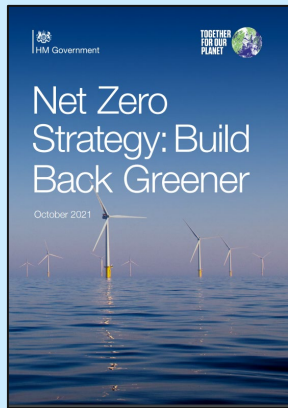
£180m

to accelerate UK advanced fuels commercialisation and testing in 22-25

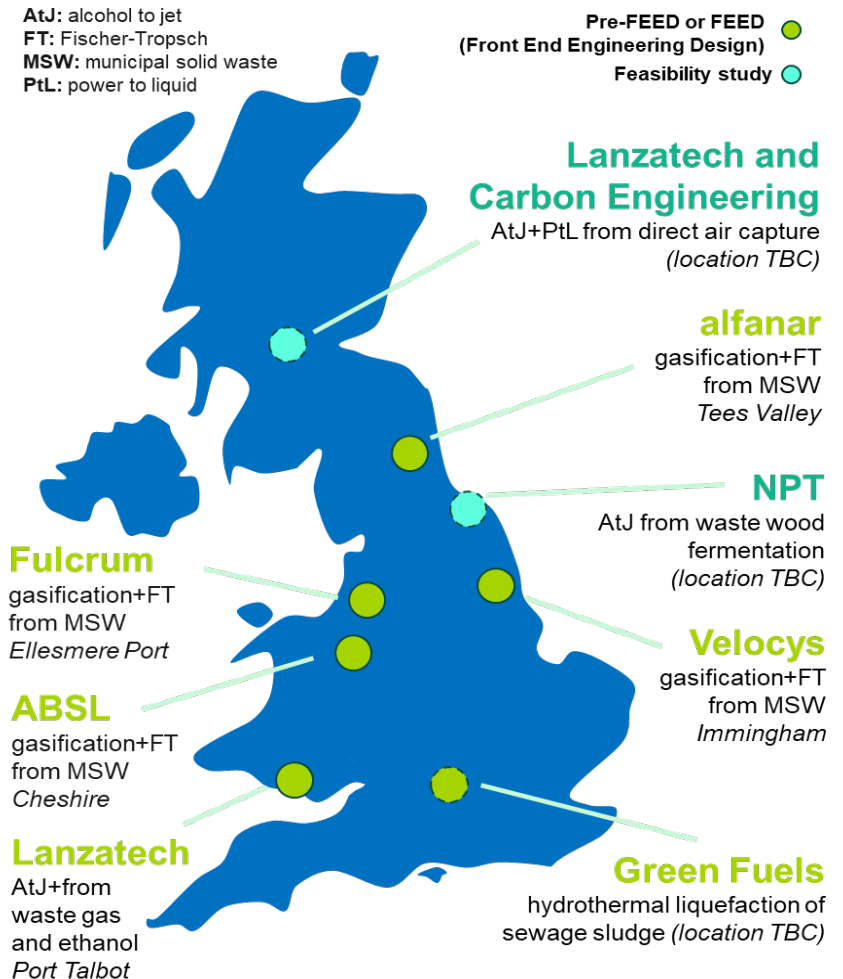
The UK's objectives

To drive **carbon emissions reduction** in the aviation sector by increasing the use of sustainable fuels, as part of a wider basket of measures.

To promote innovation and R&D, decrease SAF costs and build a **world-leading domestic SAF industry**.



For further information
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Jet Zero Council



For further information
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Objectives:

Brings together the UK Government and CEO-level stakeholders from industry and academia to provide ministers and government advice on

- Developing the UK's capabilities for achieving **net zero aviation**
- Identifying **benefits and barriers** to creating the required new industries
- Identifying how to **reduce production costs**
- How to support **grass roots innovation** and challenge existing approaches and innovators



Focus areas:

Sustainable aviation fuels

Accelerate the commercialisation of a UK sustainable aviation fuels industry.

Zero emission flight

Accelerate the design, manufacturing, testing, certification, infrastructure and commercial operation for zero emission flight.



Jet Zero Council SAF Delivery Group



195
MEMBERS



83
ORGANISATIONS



33
MEETINGS

Sub-Group	No. Meetings (since Nov 2020)	Deliverables
Mandate	7	 Ambition 10% by 2030
Technology	4	<ul style="list-style-type: none">• Barriers to creating a UK SAF industry identified• SAF production technologies with near and long- term potential in the UK identified• Research on non-CO₂ impacts of SAF in use understood and research gaps understood
Commercialisation	4	<ul style="list-style-type: none">• Barriers to commercialising SAF identified• Researching potential SAF price stability mechanism
COP26	12	<ul style="list-style-type: none">• A UK SAF supply chain implemented• SAF procured for COP26 flights• Legacy of group – ability to procure SAF for diplomatic flights remains www.safdirectory.org



Net zero transatlantic flight running on 100% SAF



The UK Government has launched a competition to support industry to deliver the first ever net zero transatlantic flight on a commercial aircraft using 100% SAF by the end of 2023.

Up to £1m
funding available

100% SAF
in both engines

12 June
EOI deadline

All airlines
invited to bid

An initial **expression of interest** (EOI) will be used to inform the programme's timescale and delivery and preselect proposals that will progress to the full competition stage (Summer 2022) to award funding.

Objectives:

- Prove **feasibility** of running a commercial aircraft on 100% SAF for a sustained period of time and across a transatlantic route
- Gather **meaningful data** that can accelerate existing **fuel certification processes** and **scientific research** in the SAF, emissions, contrails and routes management area
- Demonstrate options available for and feasibility of **greenhouse gas removals**, while that market develops, to ensure the flight is net zero
- Prompt domestic and international **industry collaboration**
- Provide a **positive news story** about the transition to SAF to increase consumer confidence in the safety and environmental benefits of SAF

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UK SAF Clearing House

Progress to date

- UK SAF Clearing House Task Force set up 2019.
- Business case submitted to UK Department for Transport.
- Project by Innovate UK KTN to provide further due diligence on:
 - Operational model
 - Potential users
 - Governance

Innovate UK KTN report

- Identify UK facilities and ASTM-standard tests offered.
- Stakeholder views on virtual vs physical model and what ASTM tiers should be supported.
- Identifying fuel suppliers' needs.
- Exploring how it could best interact with US/EU Clearing Houses.

For further information
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