

AIREG meeting Sept 4th, 2024

UK Jet Zero Council & SAF Policy

Jet Zero Council



Jet Zero Council*

Zero Emission Flight
Delivery Group

Sustainable Aviation Fuels
Delivery Group

Non – CO2 Task and Finish Group

Chairs

The Council is co-chaired by Transport Secretary, Business and Trade Secretary, and Energy Security and Net **Zero Secretary (TBC)**

CEO

The CEO position is currently vacant and an update will be provided in due course on next steps in filling the role.

Members

The Council's membership brings together ministers and senior leaders in aviation, aerospace and academia to drive the delivery of new technologies and innovative ways to cut aviation emissions.

Associate Members

Provides Delivery Group and Sub-group members, wider industry, academia, and NGOs with the latest updates on the work of the JZC.

















LanzaTech

















































Jet Zero Council SAF DG - Overview





Launched Nov 2020



Aim:

- Support the Government's ambition to deliver 10% SAF in the aviation fuel mix by 2030
- Deliver the world's first 100% SAF commercial Transatlantic Flight
- 5 plants in construction by 2025



4 Groups:

- JZC SAF DG
- Commercialisation
- Mandate
- **Technology**
- COP26



51 (online) meetings



Chair: Jonathon Counsell, Group Head of Sustainability, IAG

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Deputy Chair: Leigh Hudson, Carbon Manager, IAG



- Provide strategic guidance on delivery of the groups
- Shape the Delivery Plan
- Provide advice to Government



10 (online) meetings



39 Members



Sustainable Aviation Fuel Delivery sub-groups

Industry Chair: Jonathon Counsell, Group Head of Sustainability, International Airlines Group

Objective: Work collectively to advise government on mechanisms to achieve 10% SAF in the UK aviation fuel mix by 2030 and provide direction to sub-groups.

Participation: 147 members, 110 organisations, 51 workshops to date (inc COP 26 sessions)

Subgroups

MANDATE

Informing scope, ambition and trajectory for the UK SAF mandate. Led by Matt Gorman, Heathrow Airport

11 workshops52 Members

TECHNOLOGY

Gathering evidence on the technology developments & potential to create a UK SAF industry.

Led by Prof. Mercedes Maroto Valer, Heriot-Watt

8 workshops 61 Members

COMMERCIALISATION

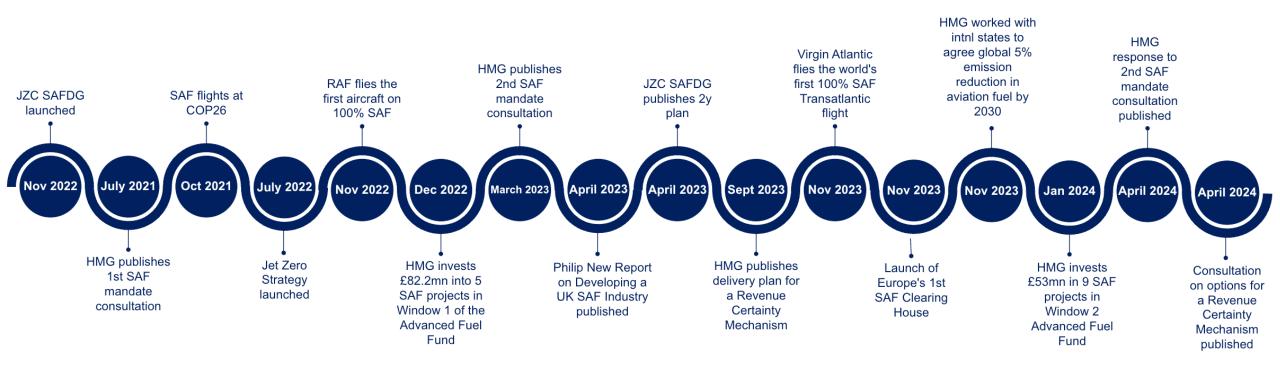
Gathering evidence on the possible mechanisms to commercialise SAF in the UK.

Led by Grant Pearson, Ensus

10 workshops 76 Members



Jet Zero Council SAF DG – Outputs since Nov 2020





Advanced Fuel Fund



Government has allocated over £135 m for the development of SAF production plants in the UK

Window 1 winners 21/12/22

- 1) Alfanar £11 m
- 2) Fulcrum £16.8 m
- 3) Lanzatech £25 m
- 4) Velocys £29.5 m

Window 2 winners 17/11/23

- 1) Abundia £4.5 m
- 2) Alfanar £8.7 m
- 3) Arcadia £12.3 m
- 4) Carbon Neutral Fuels £1.4 m
- 5) Esso Petroluem £6.1 m
- 6) Nova Pangea £9 m
- 7) OXCCU Tech £2.8 m
- 8) Willis Sustainable Fuels £4.7 m
- 9) Zero Petroleum £4.5 m







JZC 2 Year Plan

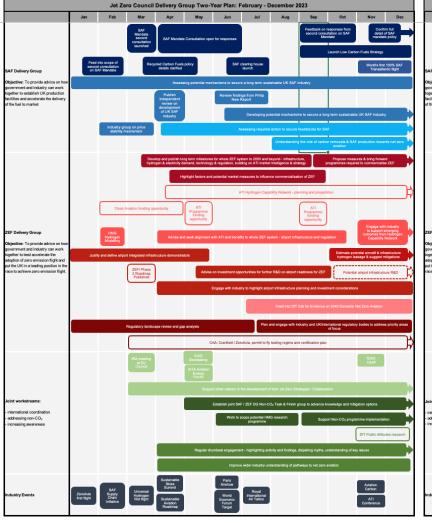


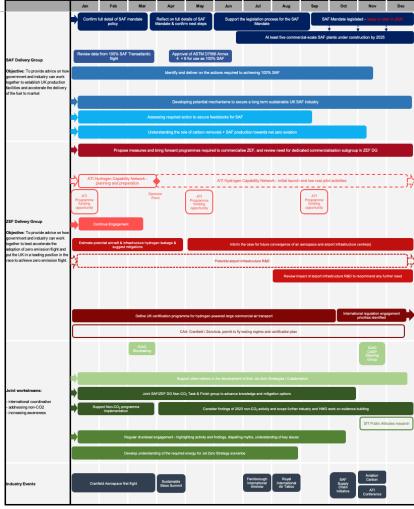
Download the plan here



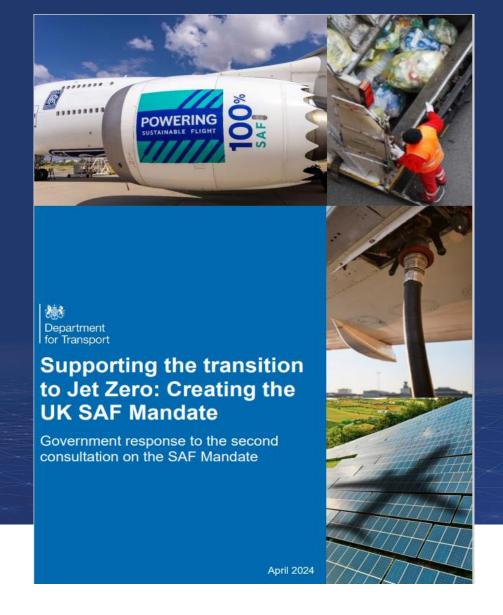


JetZer©













Sustainable Aviation Fuels Revenue Certainty Mechanism

Revenue certainty options to support a sustainable aviation fuel industry in the UK



Find out more...



Government response to SAF Mandate Consultation



Consultation on options for a SAF Revenue Certainty Mechanism



UK JZC, SAF Mandate and RCM consultation

Jet Zero Council

• The new Government are reviewing the structure of the Jet Zero Council but are committed to maintaining the core principle of the industry / Government structure to support development of solutions to deliver net zero aviation.

SAF Mandate

- Mandate levels = 2025 2%, 2030 10%, 2040 22%
- HEFA (1G SAF) Cap 100% to 2026, 71% 2030, 35% 2040
- Buy out price = £4.70 per litre
- PTL (3G, Power To Liquids, eSAF) mandate 0.2% 2028, 0.5 % 2030, 3.5% 2040
- New UK Government have announced support for the mandate and will legislate in 4Q 2024

Revenue Certainty Mechanism consultation

- Mechanism to support mandate to enable funding for SAF plants
- Four options assessed including Guaranteed strike price (GSP) and Buyer of Last Resort
- Each option assessed against criteria of Investable, Deliverable or Affordable
- GSP assessed as the preferred option
- Commitment to the RCM announced in the King's speech in July, 2024