How aviation can move towards decarbonisation in the short-term: an industry view

Supporting government:

Attractive local regulation enables the growth of SAF production clusters. Mandates ensure allocation of scarce resources to aviation and close the cost gap versus existing fuel.

Airline taxation, regulation and incentives

Standards, certification and reporting to assure the quality of carbon reductions from SAF and offsets.

Supply-side mandates, incentives and feedstock allocation

Fuel producer SAF mandates and incentives

Customer demand:

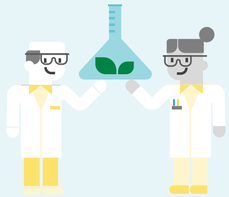
Collaboration of like-minded and committed customers on key business and cargo routes with a book and claim mechanism enables net emission-free travel and transport of goods.

Corporate and cargo customers' demand for SAF

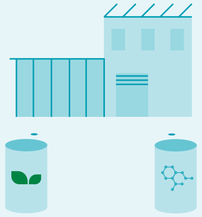
Offers and rewards encouraging customers to make choices that support sustainability

Availability of feedstock:

SAF production clusters close to feedstock sources, such as biomass and hydrogen, provide opportunity to use SAF locally and remove the need for new production and distribution infrastructure. Demand will scale supply.



Collaboaration with other secotrs on SAF R&D



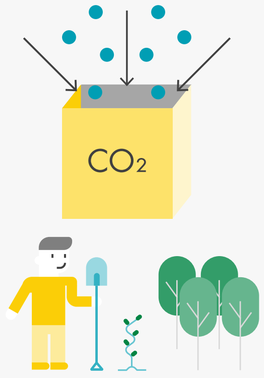
Bio SAF production

Synthetic SAF production

Mitigation through offsets:

High-quality offsets and insets that are subject to stringent certification, and directly fund the development of low-carbon fuel pathways.

Carbon offset improvements



The 2025 industry ambition
Have regularly scheduled net-zero routes.

Download the *Decarbonising Aviation: Cleared for Take-off* report at Shell.com/DecarbonisingAviation