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A British Airways Airbus A380 aircraft is shown from a low angle, flying over a coastal area. The plane is white with red and blue stripes on the tail and engines. It is positioned above a series of white, chalky cliffs that meet a body of water. In the background, there are green fields and a road winding through them. A circular graphic on the left contains the text "Tackling global aviation emissions".

Tackling
global
aviation
emissions



Why sustainable fuels? Tackling global aviation emissions

3 GLOBAL GOALS

4 PILLARS OF CLIMATE ACTION



Setting the global strategic direction

GOAL 01

PRE-2020
AMBITION

1.5% annual average fuel efficiency improvement from 2009 to 2020.

T O I

GOAL 02

IN LINE WITH THE NEXT UNFCCC COMMITMENT PERIOD

Stabilise net aviation CO₂ emissions at 2020 levels with carbon-neutral growth.

T O I + M

GOAL 03

ON THE 2°C PATHWAY

Reduce aviation's net CO₂ emissions to 50% of the 2005 level, by 2050.

T O I



Four pillars making improvements across the whole system

Technology & sustainable fuels

Operations

Infrastructure

Market-based measures



IAG has committed to reduce its carbon footprint, with a long-term goal of reaching **net zero CO₂ emissions by 2050**.

The aviation industry is currently reliant on fossil fuels, and low-carbon solutions for aviation are more complex than for other sectors—but IAG believe the ambitious goal is achievable.

With Flightpath net zero, IAG is putting **environmental sustainability** at the heart of its business, ready to meet the task ahead.



Flightpath net zero



IAG climate targets:

By 2050: **net zero CO₂**

By 2030: 20% reduction net CO₂

By 2025: 80gCO₂/pkm



British Airways to offset carbon emissions for all its UK domestic flights from 2020



Investing \$400M in development and offtake of sustainable aviation fuels



Sustainable aviation fuel deployment

5
pathways
certified so far

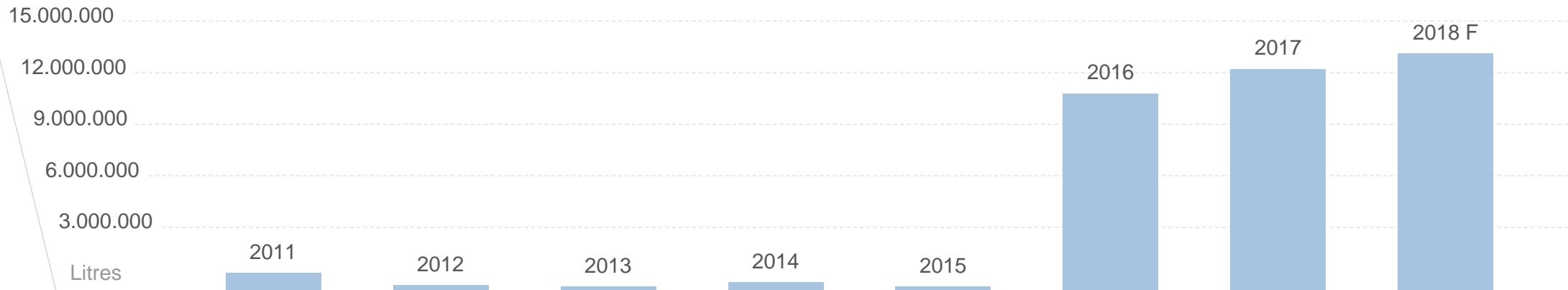
6 billion
litres of SAF in
forward purchase
agreements

9
airlines
with significant
forward purchase
agreements

200,000
commercial SAF
flights since 2011

13
airports

Production ramp-up in sustainable aviation fuel will continue, annual estimates

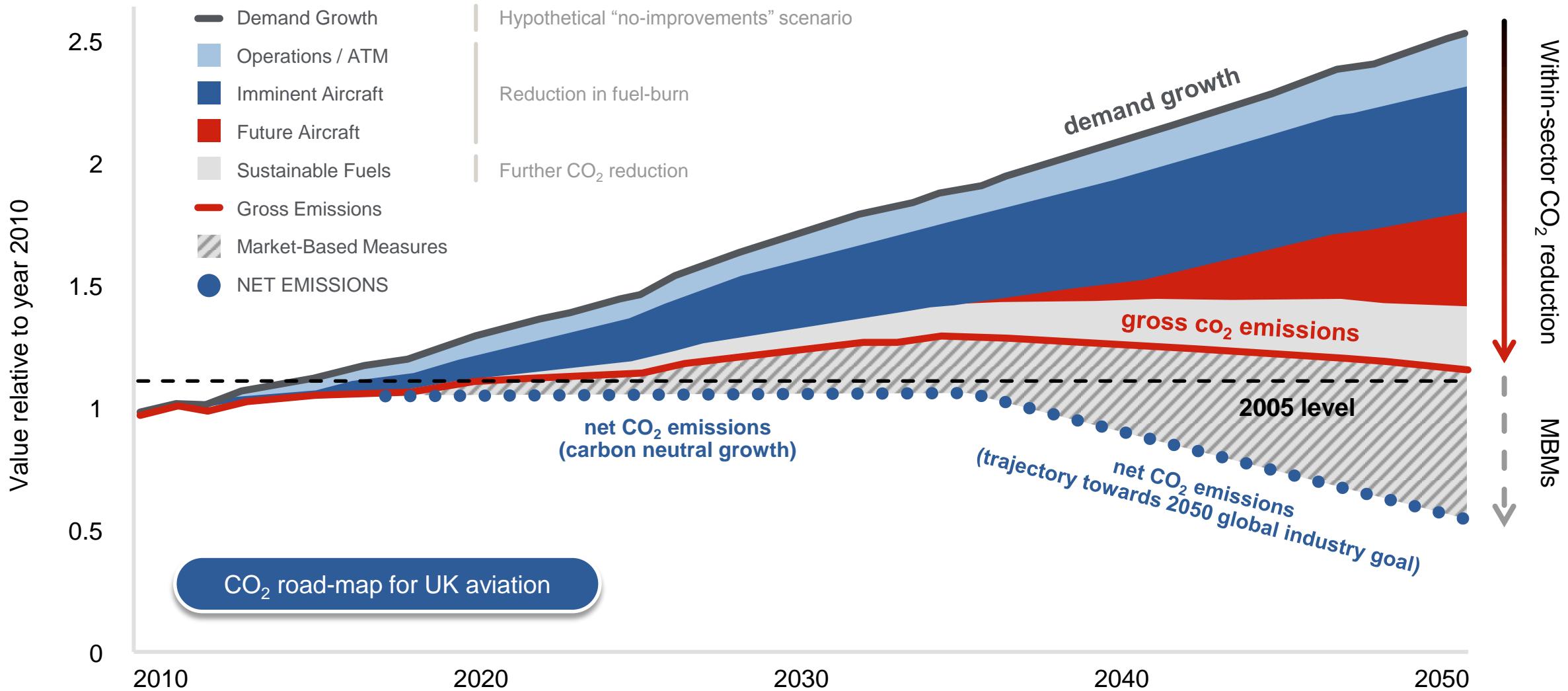




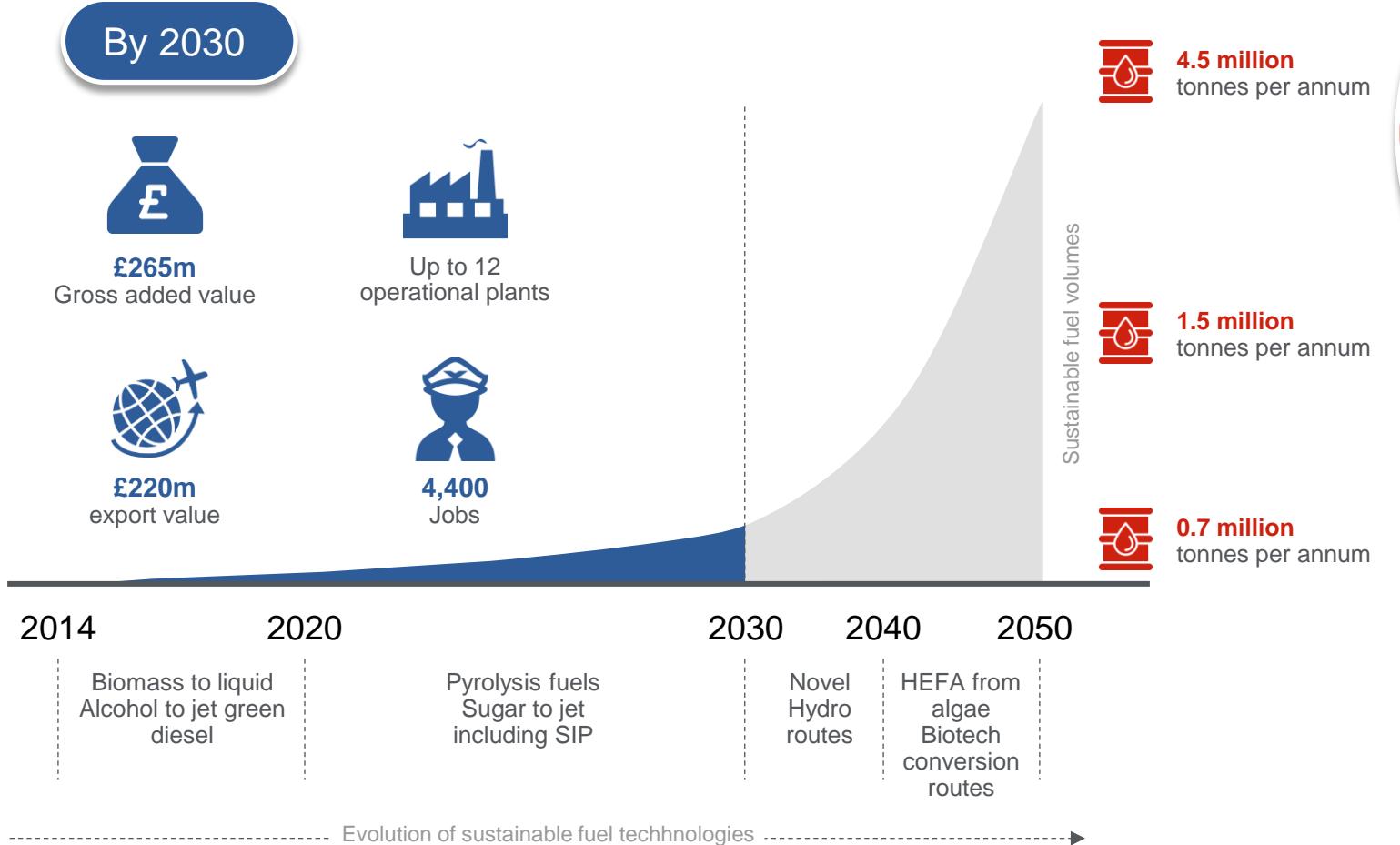
The UK
picture



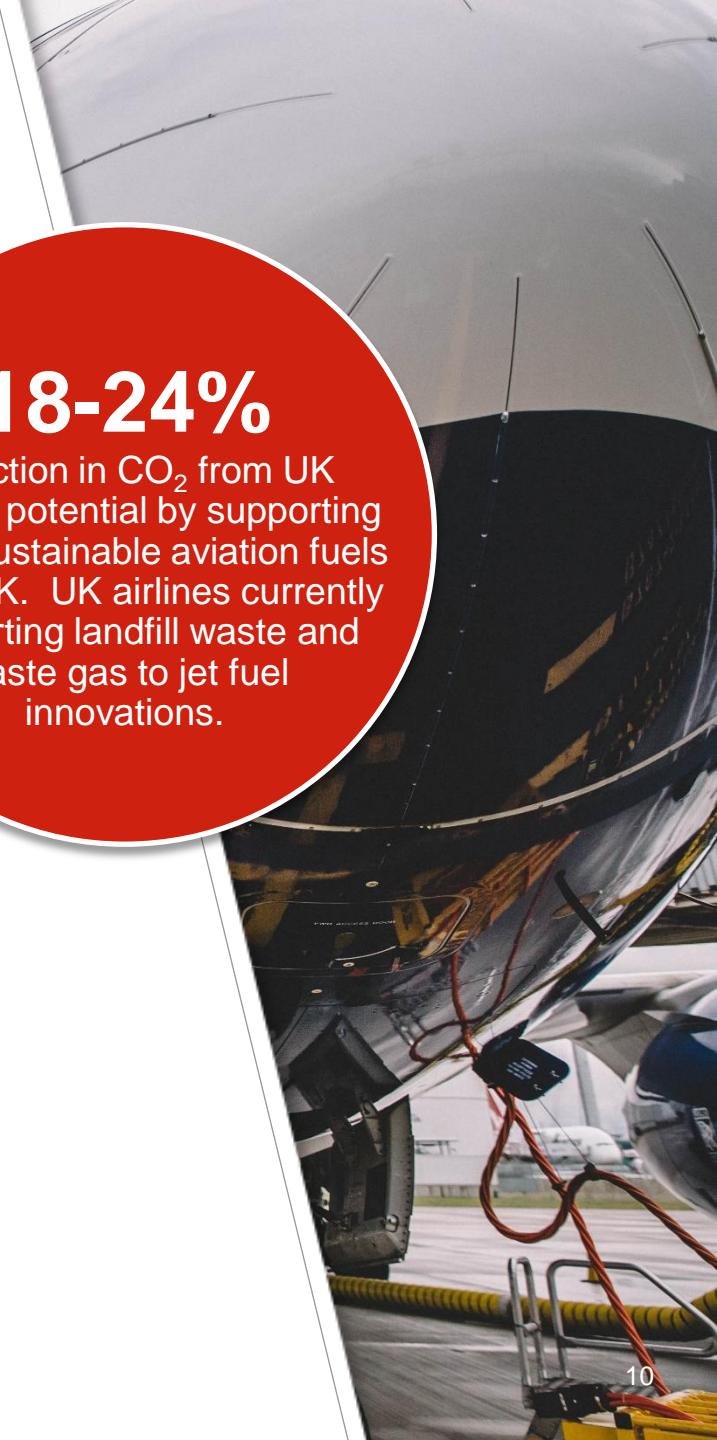
UK carbon roadmap to 2050



Sustainable aviation fuel road map (UK)



18-24%
reduction in CO₂ from UK
aviation potential by supporting
use of sustainable aviation fuels
in the UK. UK airlines currently
supporting landfill waste and
waste gas to jet fuel
innovations.



UK potential top line facts

Latest research findings

By 2035



- Up to **14** sustainable aviation fuel plants producing nearly **8%** of total UK aviation fuel needs
- Gross value added to the UK of **£2.7bn per annum**
- Additional **5,200 UK** jobs (increase of 800 since 2014) or **c. 19,000 new UK** jobs including exports

By 2050



- Ability to have up to **30%** of UK aviation fuel using sustainable fuels



Vision



UK can lead the world in the development and production of sustainable aviation fuels



Sustainable aviation fuels will play a key role in decarbonising the industry



We set a challenge to UK universities to develop a proposal for a pathway to achieve global leadership around this critically important opportunity and beyond



From the very high quality entries we believe a number of these projects should be taken forward as they can play a key role in helping the UK lead the world in the development and deployment of sustainable aviation fuels



Vision – Why the UK?



We have the skills



We have available
feedstocks



We have many
potential sites



We have high demand
for the final product



We have
Government support



We have world class
academic institutions



Vision – Benefits to the UK



Significant role in decarbonising airline travel



Help redevelopment of ex-industrial areas in the UK



Create high number of high quality renewable jobs



Reduce the UK dependency on imported jet fuel



Reduce the amount of waste that goes to landfill



Significant opportunities for exports as UK leads in the development and deployment of advanced technologies



British Airways project in the UK



We strongly welcome the UK Government announcement to create a level playing field of incentives for sustainable aviation fuels key to UK projects



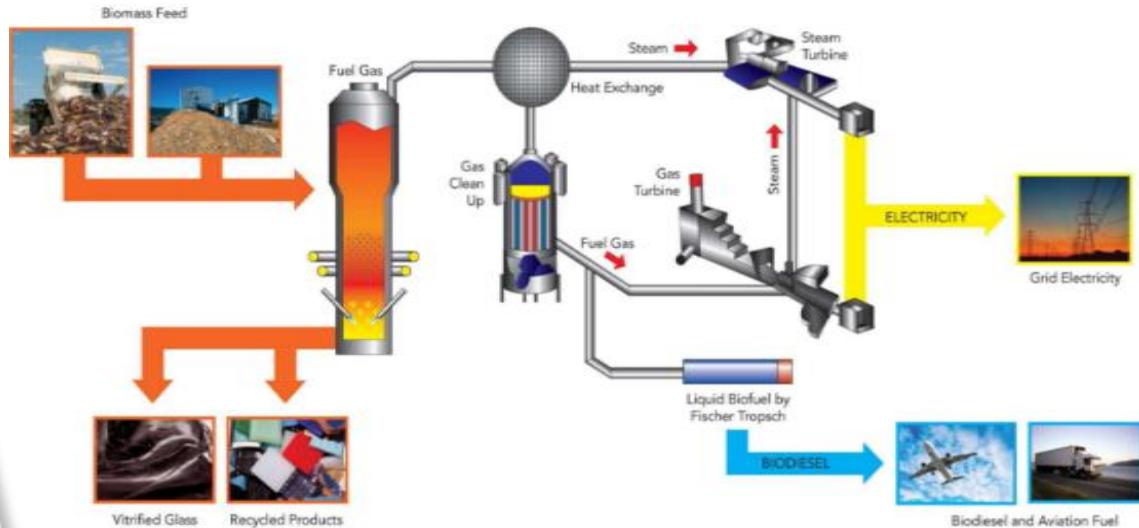
Partnership with technology partner Velocys and Shell to build plant



Uses waste that would otherwise be destined for landfill



We believe there are significant opportunities for further waste to fuels plants in the UK and around the world





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Thank you

