

AVIATION CO₂ REDUCTIONS



STOCKTAKING SEMINAR

TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS

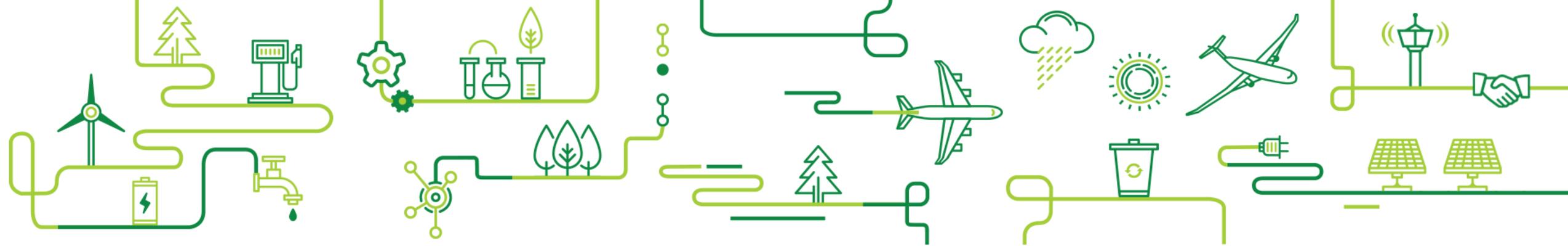




High-level roundtable: roadmaps towards zero emissions

Sean Doyle,
CEO – Aer Lingus





Introduction to IAG

Formed in 2011 with merger of British Airways and Iberia.

In 2019:

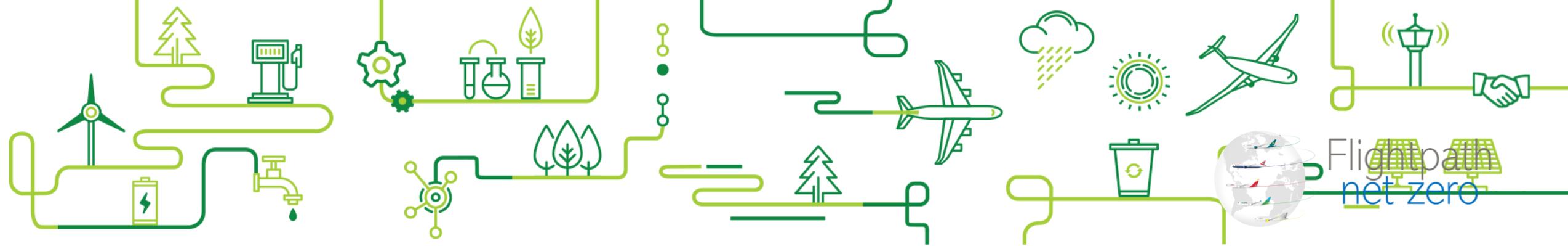
- 118m passengers
- 598 aircraft with 11.4 years average age
- 279 destinations
- 66,000 employees
- €25.5 billion in revenue
- 27.3 MT of CO₂



BRITISH AIRWAYS  IBERIA 

Aer Lingus  vueling  LEVEL 

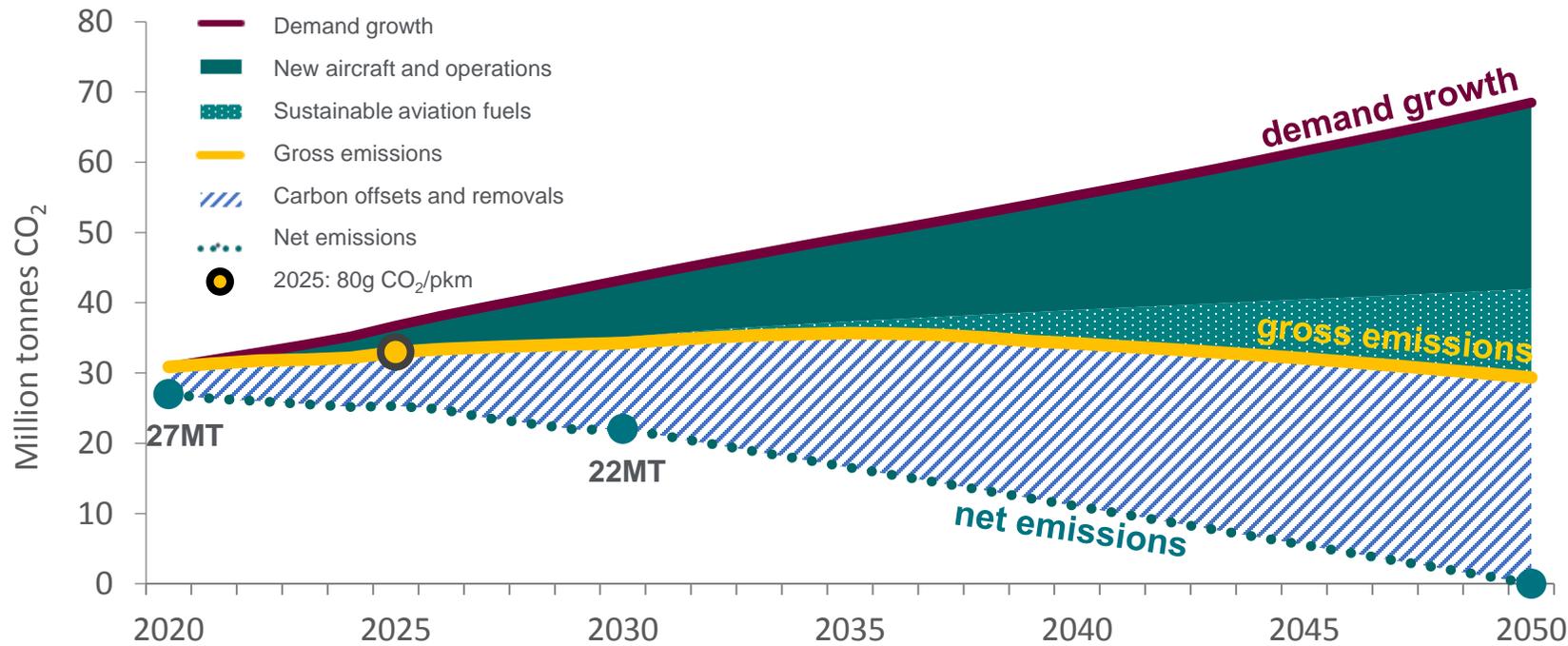
IAGCargo IAGGBS IAGLoyalty IAGTech



Flight path
net zero

IAG climate goals

80g CO₂/pkm by 2025, 22 MT by 2030, 0 MT by 2050.



Do nothing scenario
CO₂ emissions if no action taken

Actions taken by IAG
Reduced CO₂ emissions from:
1) Investing in new efficient fleet
2) Operational efficiency
3) Sustainable fuels

Carbon offsets and removals
Includes structured schemes to fund emission reductions elsewhere:
1) CORSIA, EU ETS
2) Voluntary offsets
3) Carbon capture technology



Sustainable aviation fuel produced from waste in England

Aviation Fuels

Feedstock type	Conversion process
Waste	Gasification/FT

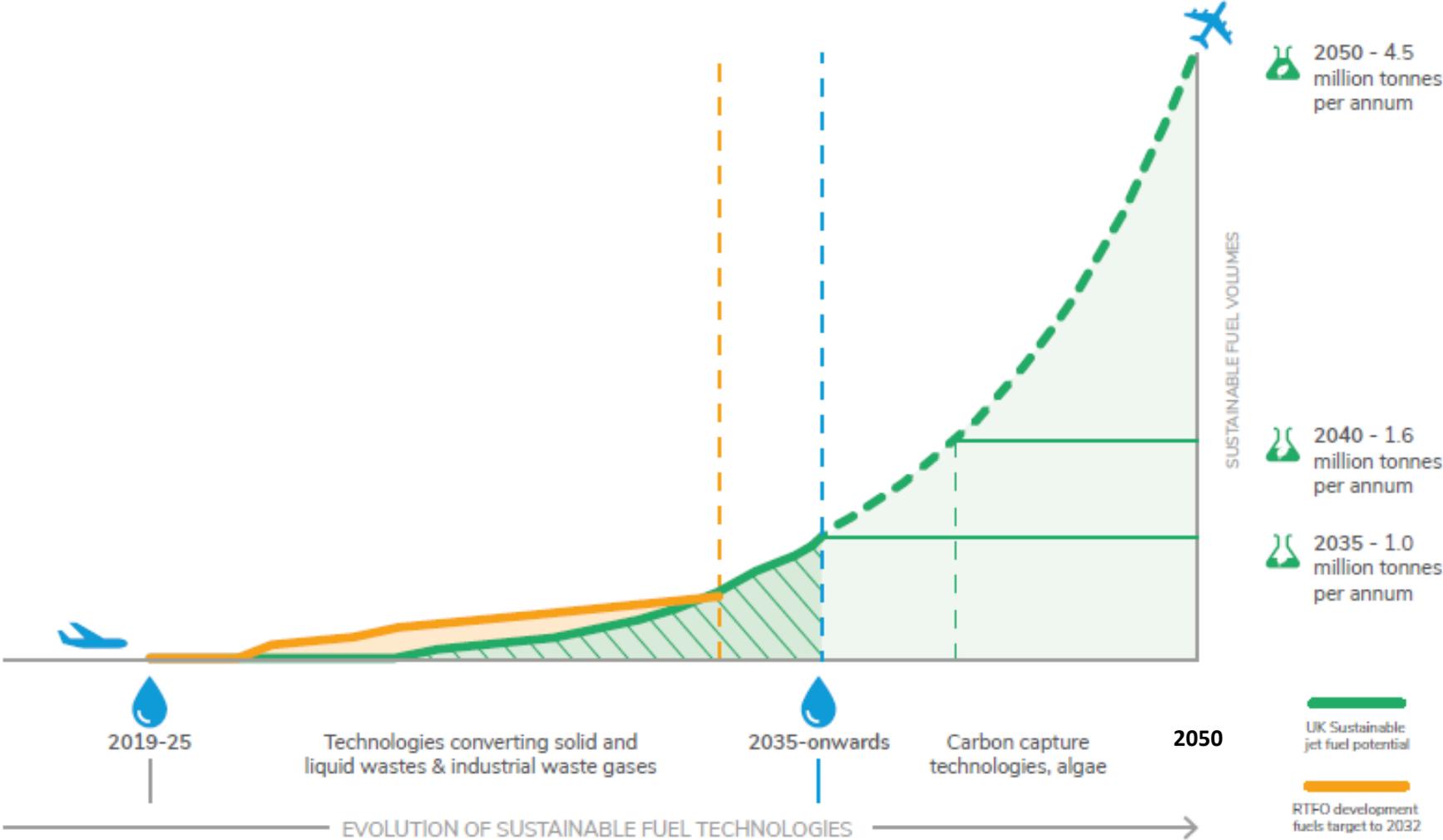
Europe's first waste-to-jet fuel plant is a collaboration between Velocys, British Airways and Shell. It will convert household waste into 40m litres of kerosene/year.



	CO₂ reductions per flight	70%+
	Level of finance required	tbd
	Timeframe	2025
	Main challenges	National policy Access to finance

Significant potential for SAF in the UK

Source: UK Sustainable Aviation Decarbonisation Roadmap



Thank You

