

SUSTAINABLE REGIONAL FLIGHT





OUR OBJECTIVE: TO REDUCE THE CLIMATE IMPACT OF AVIATION – NOW.

→ With realistic technology.

A dark-themed map of Norway with a dashed orange line connecting Bergen and Oslo. The text '303 KM' is prominently displayed in white, with 'Total distance' written below it in a smaller font. The cities 'Bergen NORWAY' and 'Oslo NORWAY' are labeled in white. Orange lightning bolt icons are placed near the city locations.

303 KM
Total distance

Bergen
NORWAY

Oslo
NORWAY

10% of the aviation industry

Is regional aviation





MÆVE - 01



30% LESS COST

- 35% higher energy-per-pax-km efficiency
- Unrivalled savings in engine maintenance
- Reduced aircraft maintenance by more electric systems

100% ZERO EMISSION

- No CO₂, no NO_x & no contrails
- 77% well-to-wake energy efficiency
- Ground charging through 2nd-life battery system

0% IMPACT ON GROUND INFRASTRUCTURE

- Mobile fast charging without infrastructure impact
- Short take-off and landing capability
- Electric nose landing gear allows for zero-noise taxi and eliminates the need for pushbacks



M A E V E®
A E R O S P A C E



WHERE IS MAEVE ALONG THE CONTINUUM?



4 pax 9 pax 19 pax 30 pax 50 pax 80 pax 100 pax

LILIUM

VÆRIDION

MAEVE - 01

ELECTRON
AEROSPACE

VOLTAERO

Heart
Aerospace

EVIATION

New market ←————→ *Existing market*



LETS TALK MARKET FORECAST

A light blue world map is centered in the background of the slide. The text is overlaid on the map.

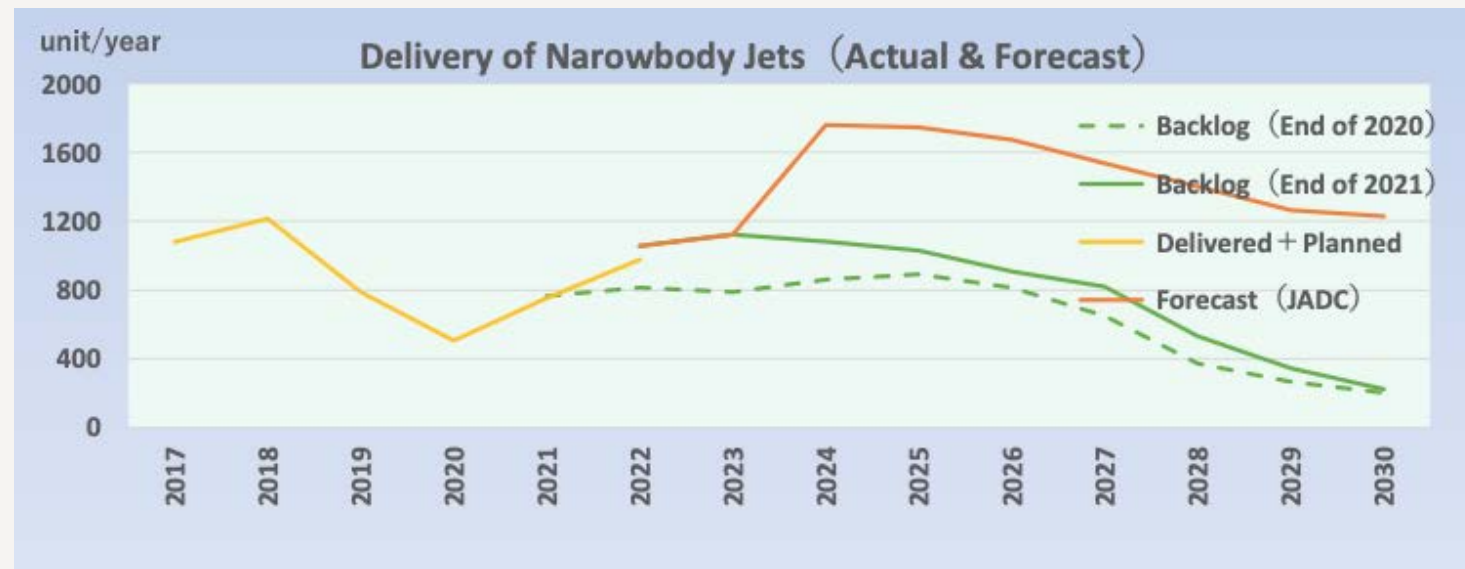
Worldwide Market Forecast (2022 – 2041) Prompt Report

June 2022

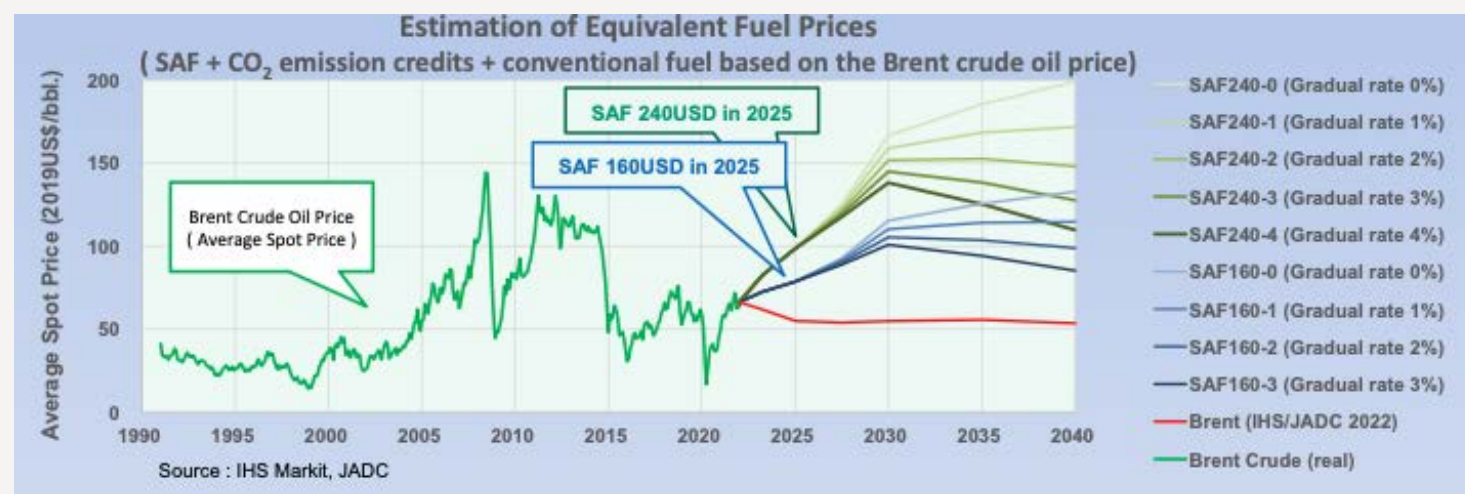
Strategic Planning & Market Analysis Department
Japan Aircraft Development Corporation



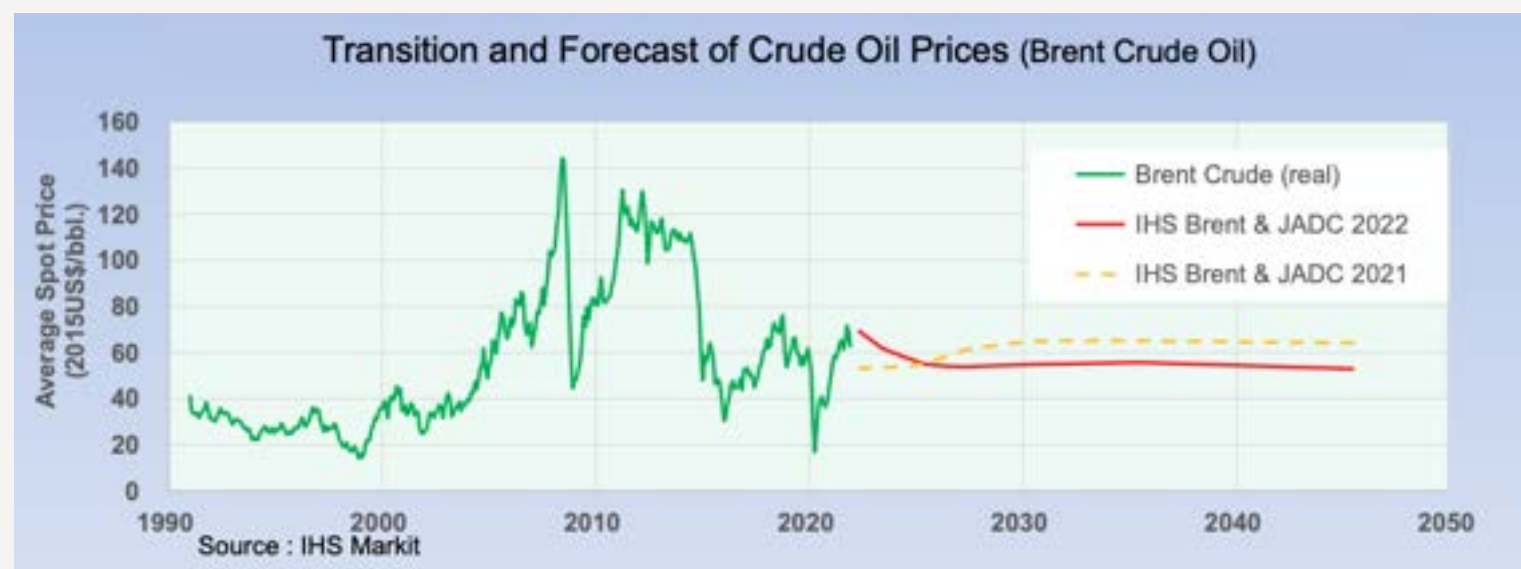
New aircraft delivered



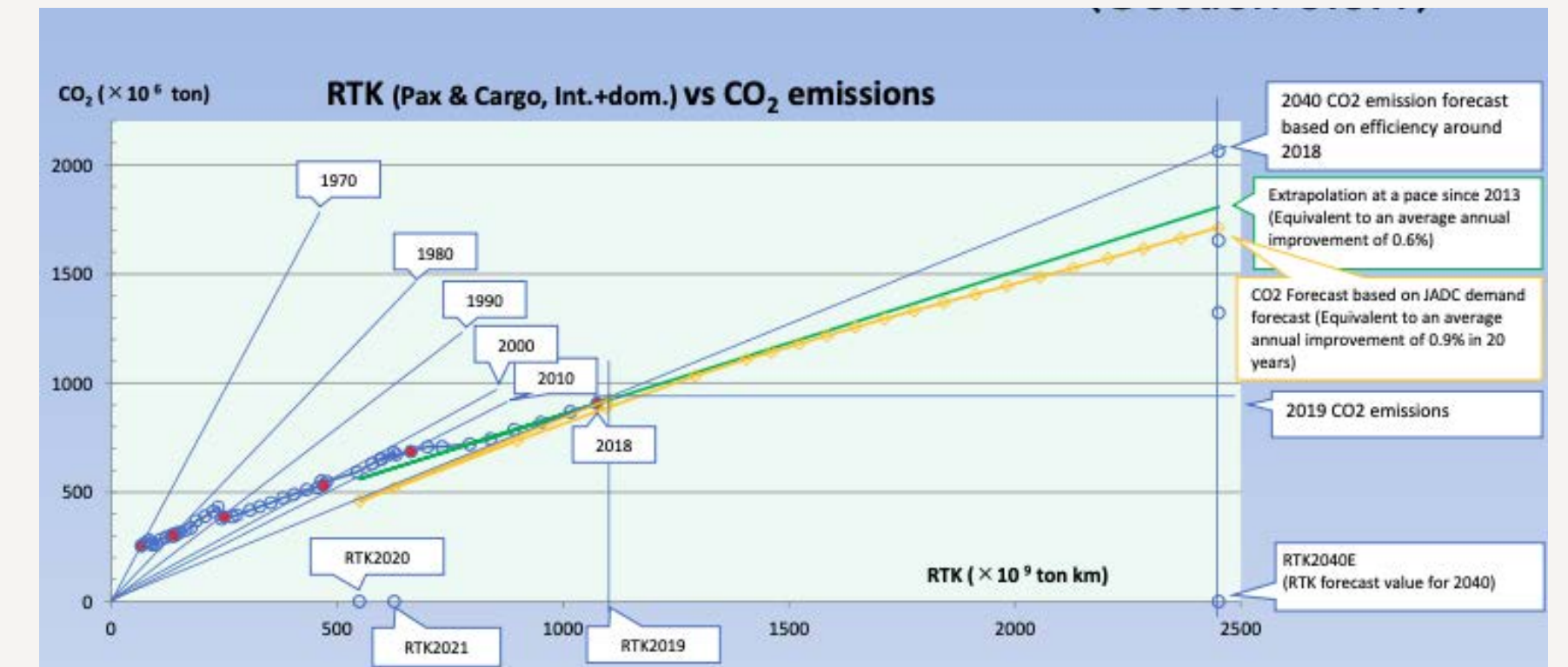
SAF prices



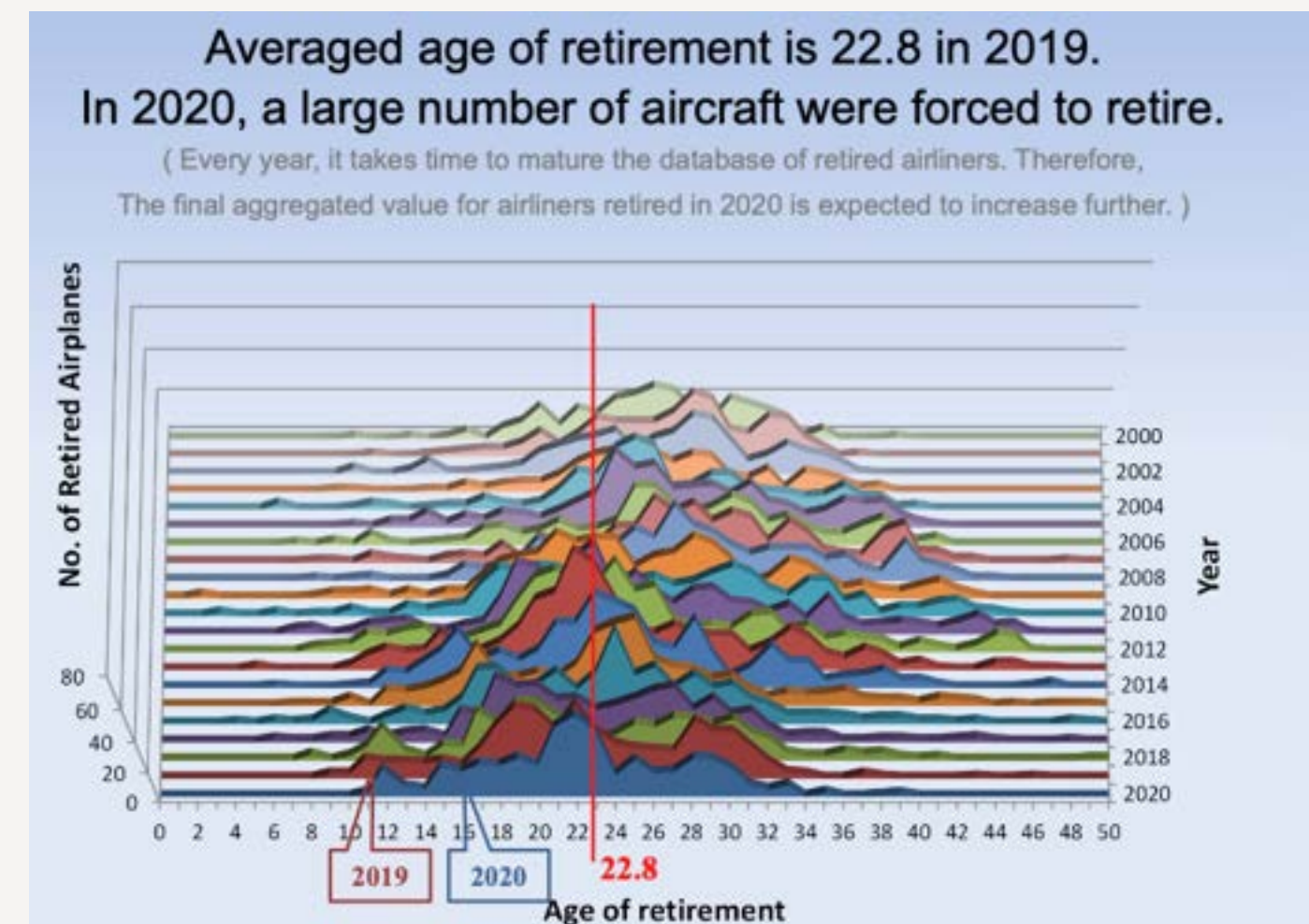
Crude oil prices



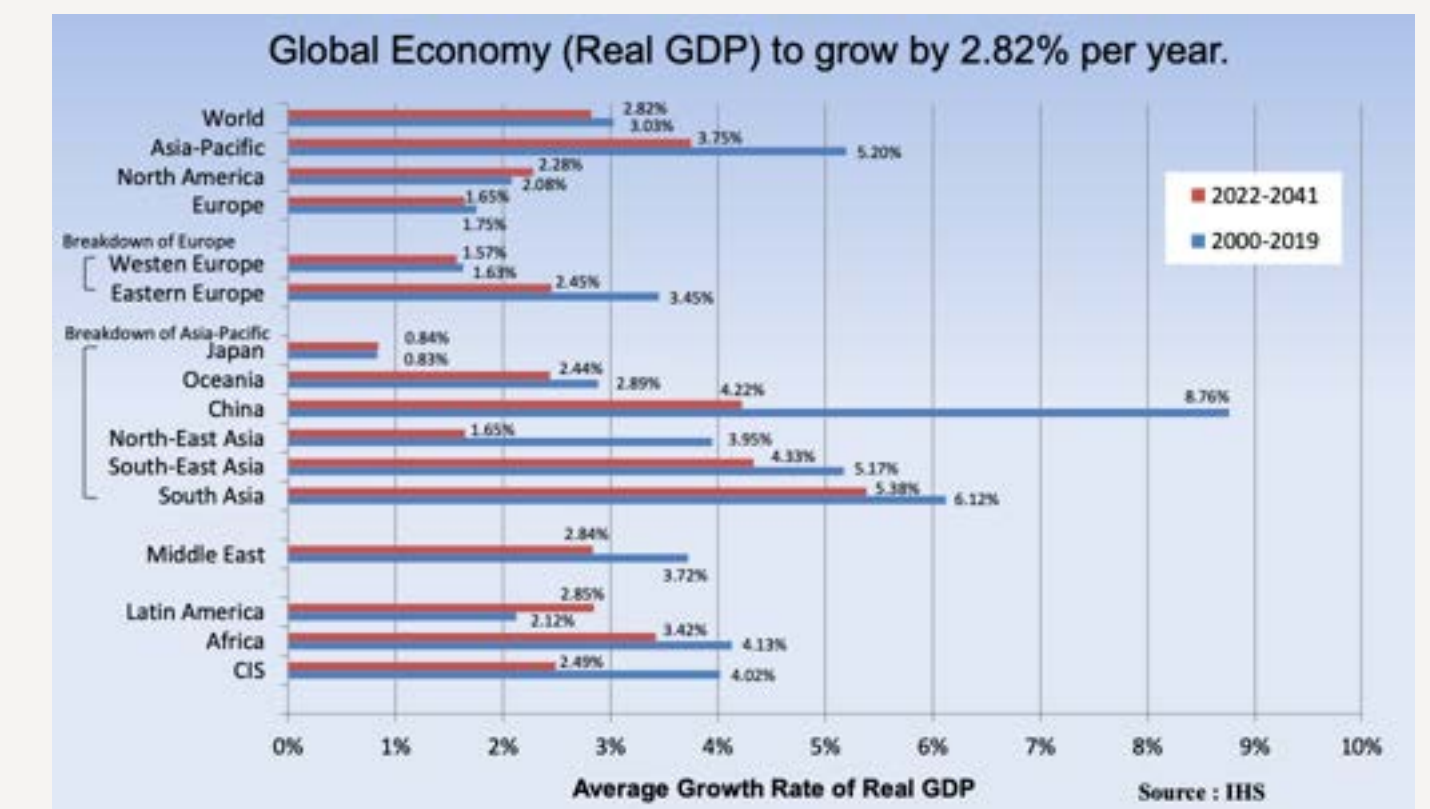
CO2 pricing



Aircraft retirement

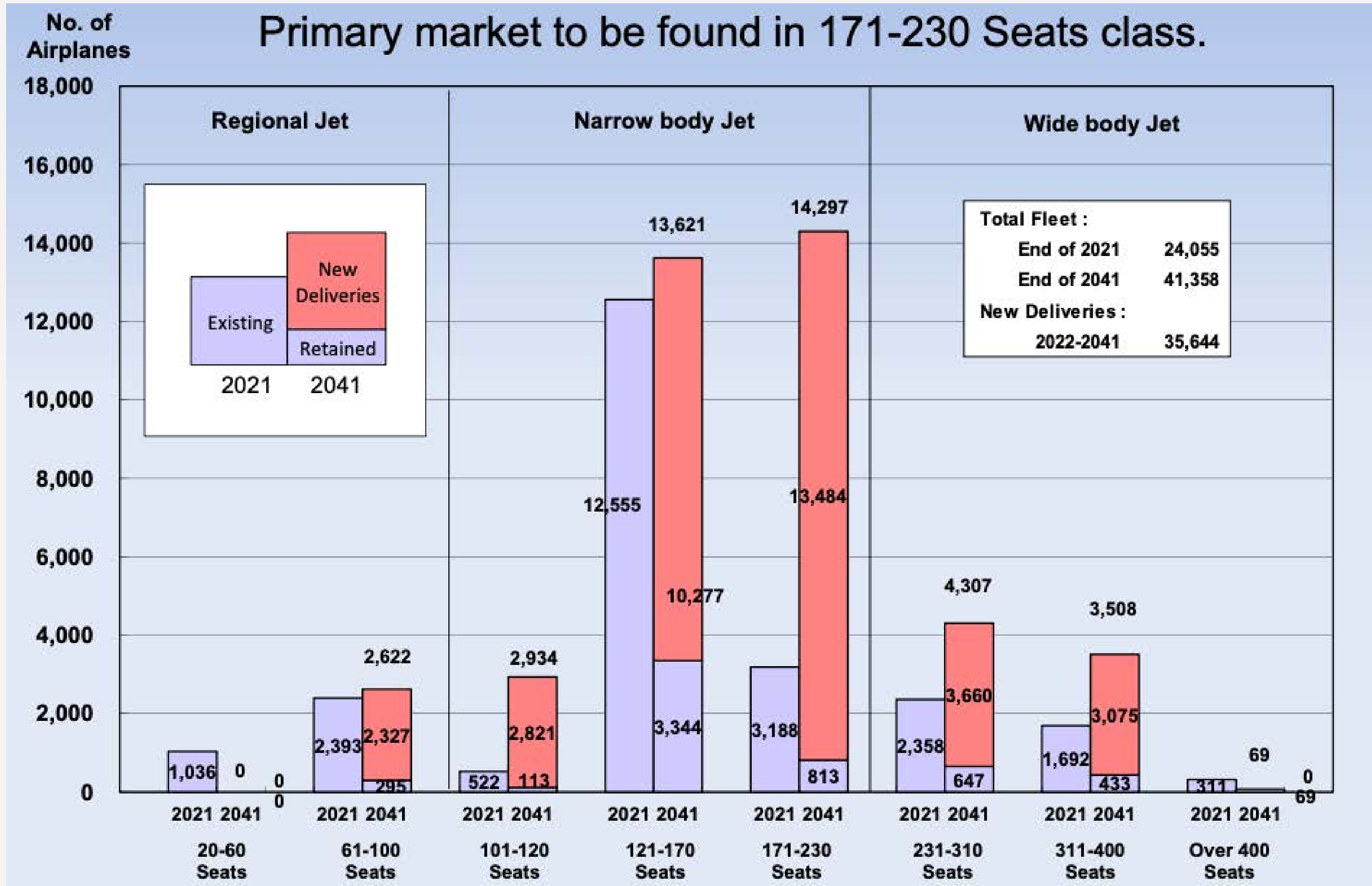


GDP growth



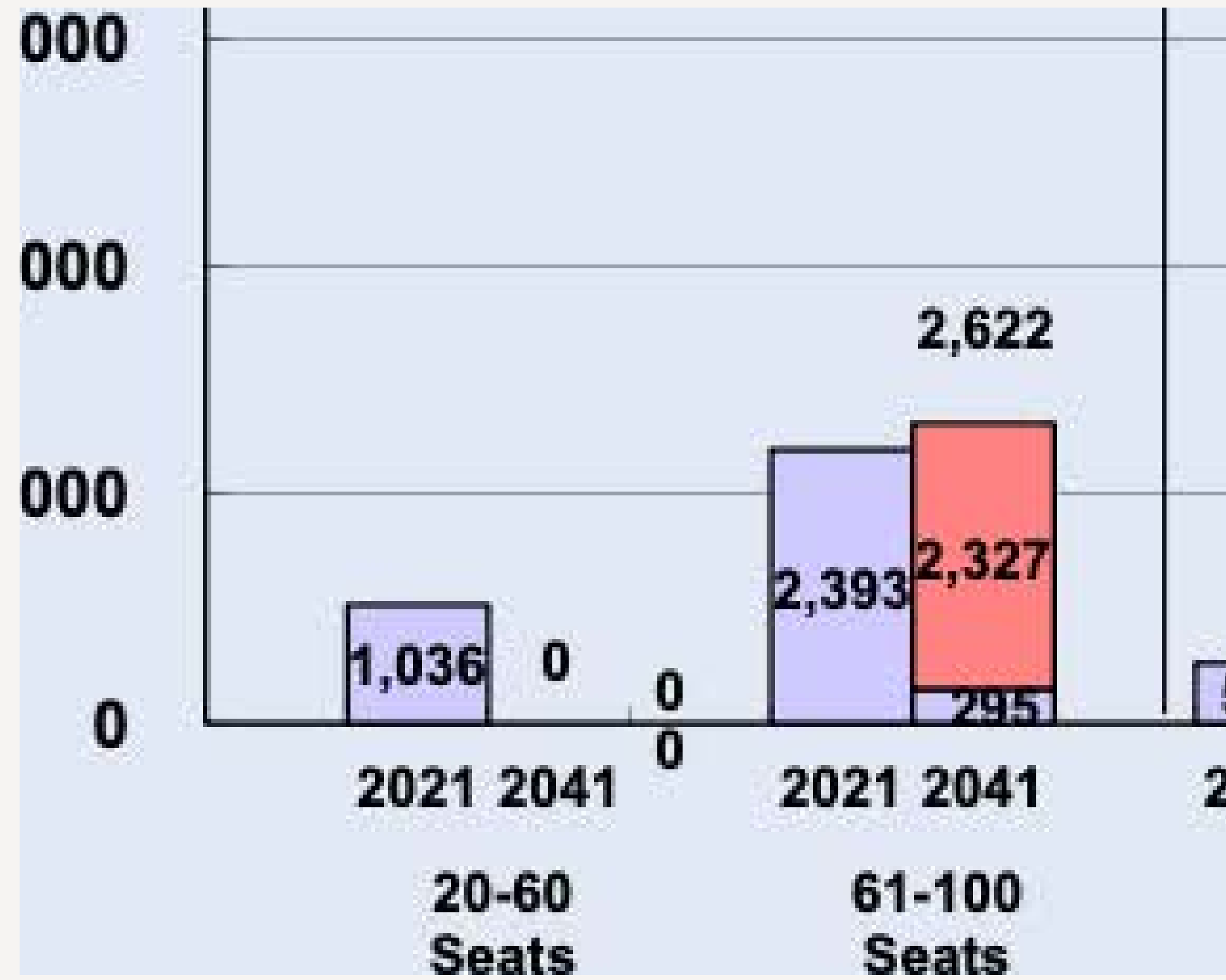


FORECAST OF DELIVERY OF NEW JETS (20 YEARS)



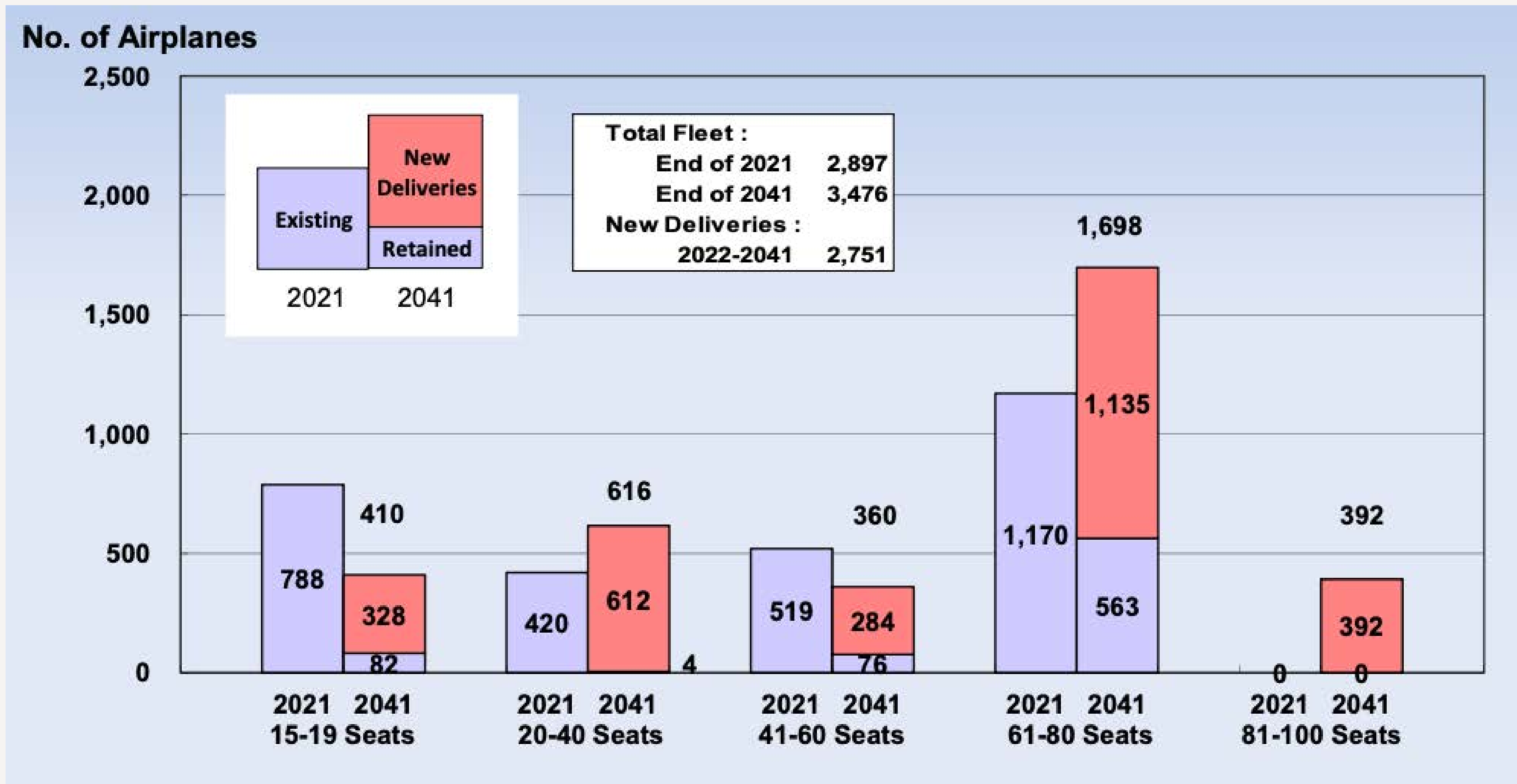


FORECAST OF DELIVERY OF NEW JETS (20 YEARS)





FORECAST OF DELIVERY OF NEW TURBOPROP (20 YEARS)





WHAT DRIVES THESE FORECASTS?

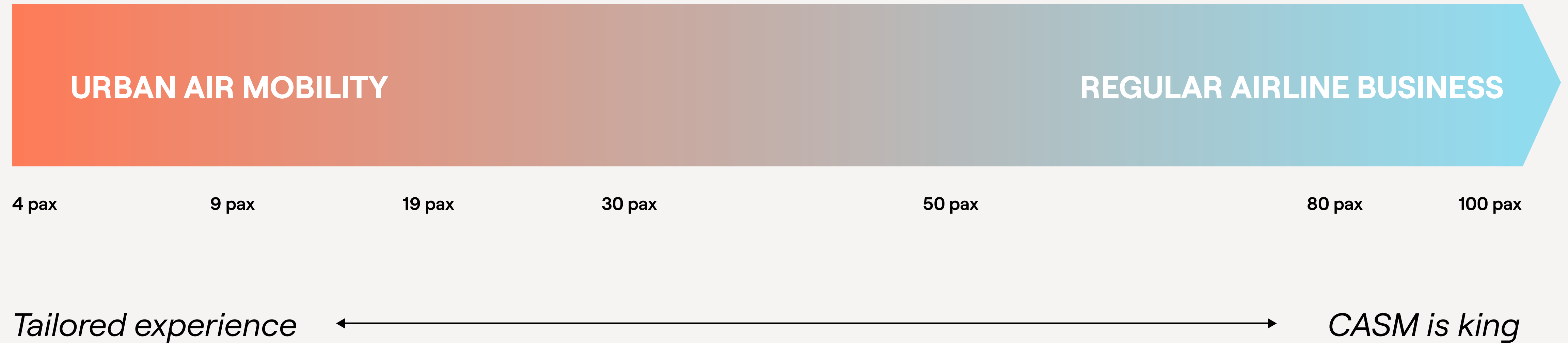
Cost Per Average Seat Mile (CASM) of a 34-seater versus an Airbus A320 is **298%** higher.



CONCLUSION



THERE ARE TWO DIFFERENT WORLDS....



Everything in-between = a major challenge



WHAT PATH IS MAEVE HEADED TOWARDS?

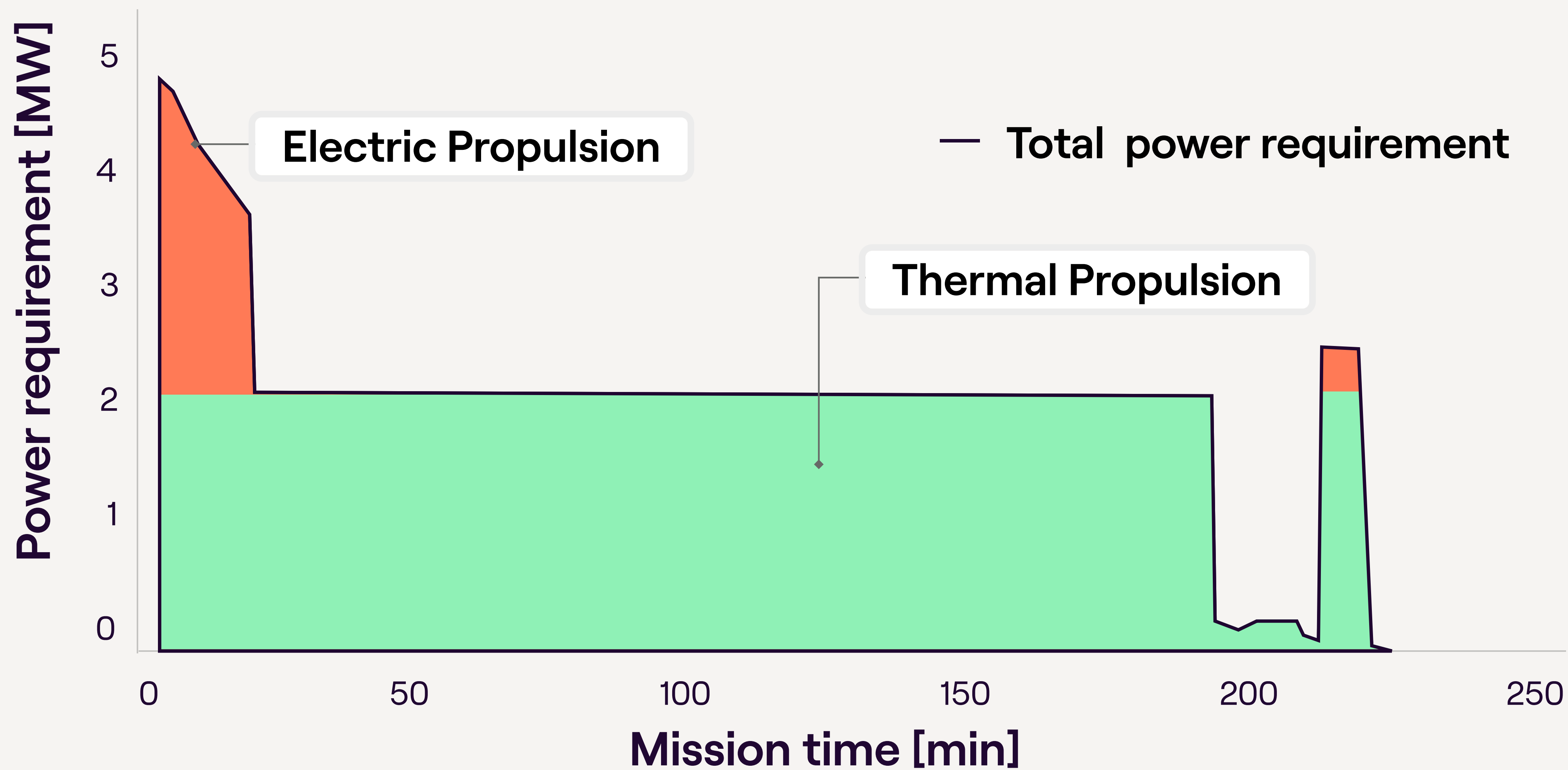
MAEVE M80

Hybrid-electric. Zero compromise.



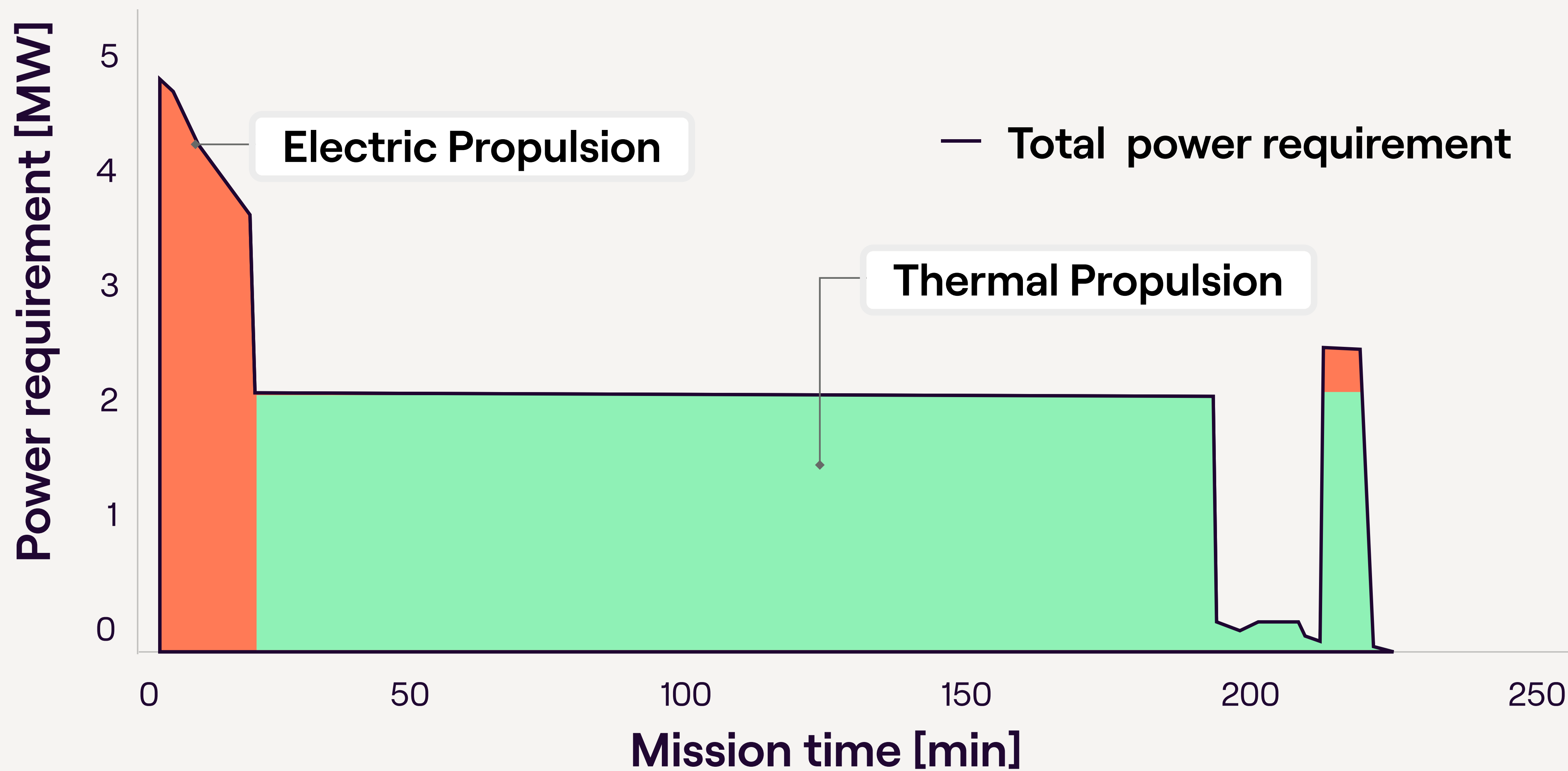


AIRCRAFT PERFORMANCE OPTIMISED.



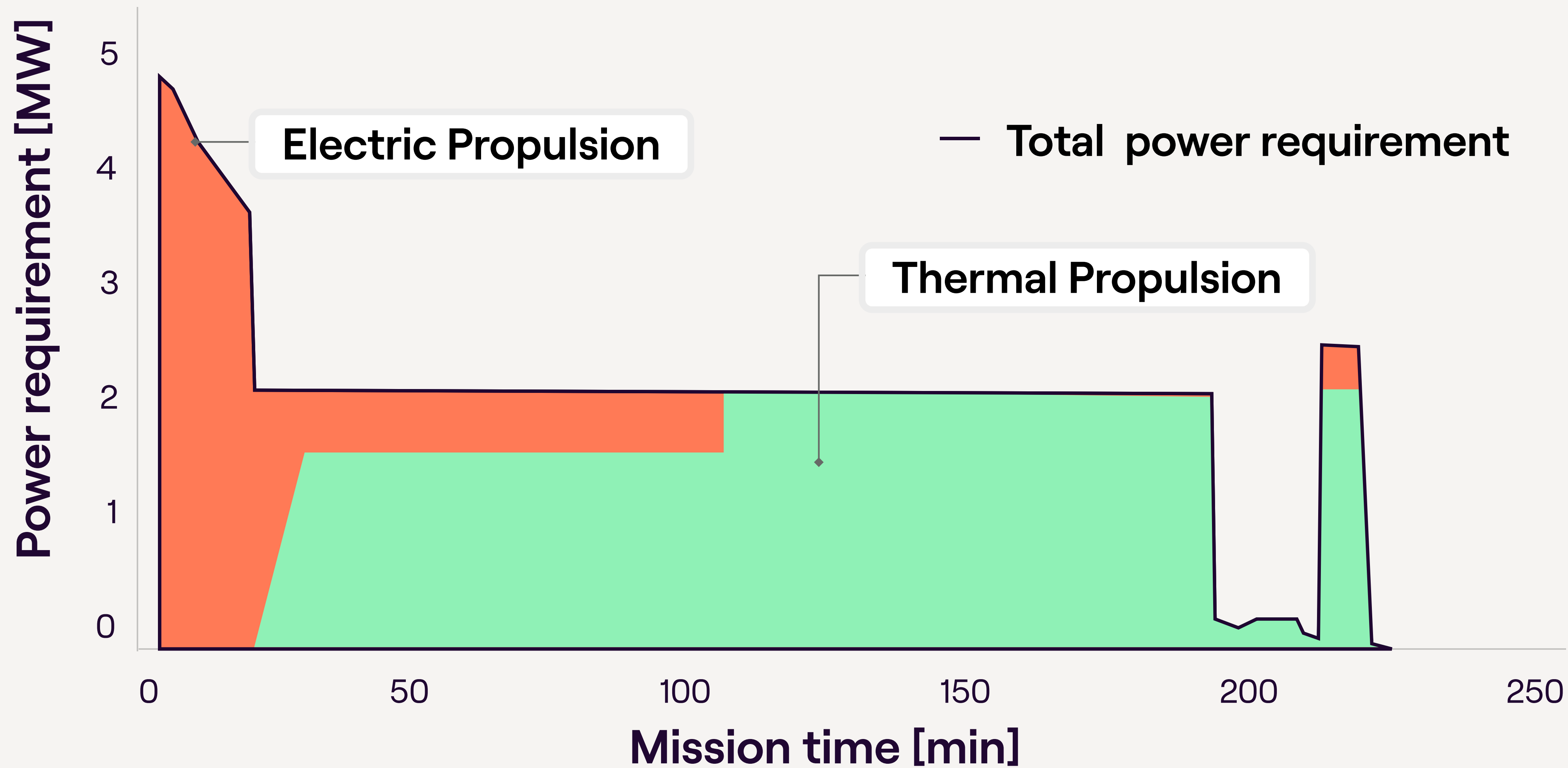


LOCAL NOISE & LOCAL EMISSION OPTIMISED.





MINIMISING ANY FUEL BURN





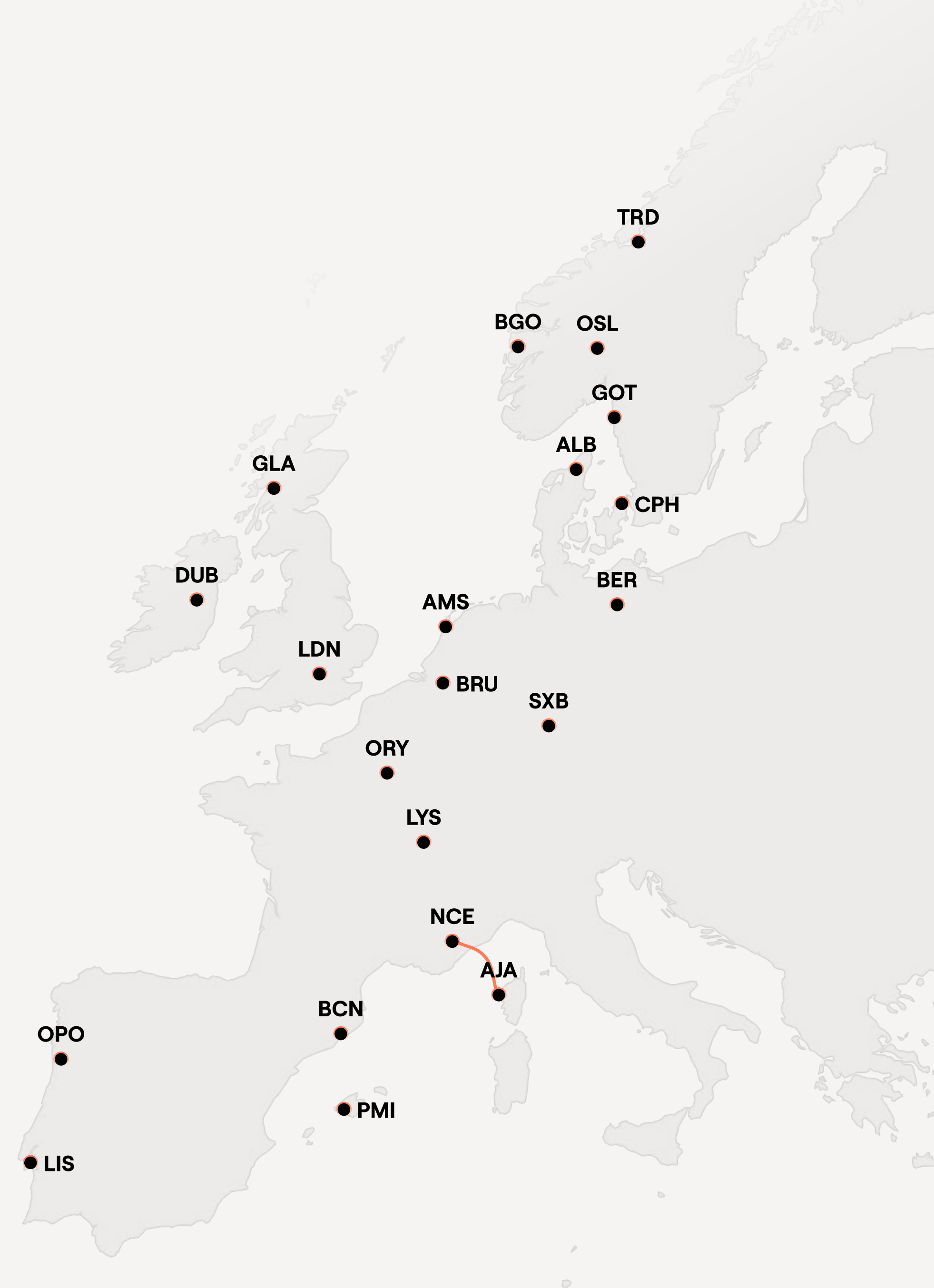
1500 kW

Charging power required

Closing remarks

- Regional Air Mobility and mainstream aviation are two separate worlds.
- Both require different products and have different market opportunities.
- Sustainable, **mainstream aviation** will happen in the 80-seat segment, as that is the only market segment that justifies a new aircraft development programme.

Thank you very much!





MAEVETM
A E R O S P A C E