



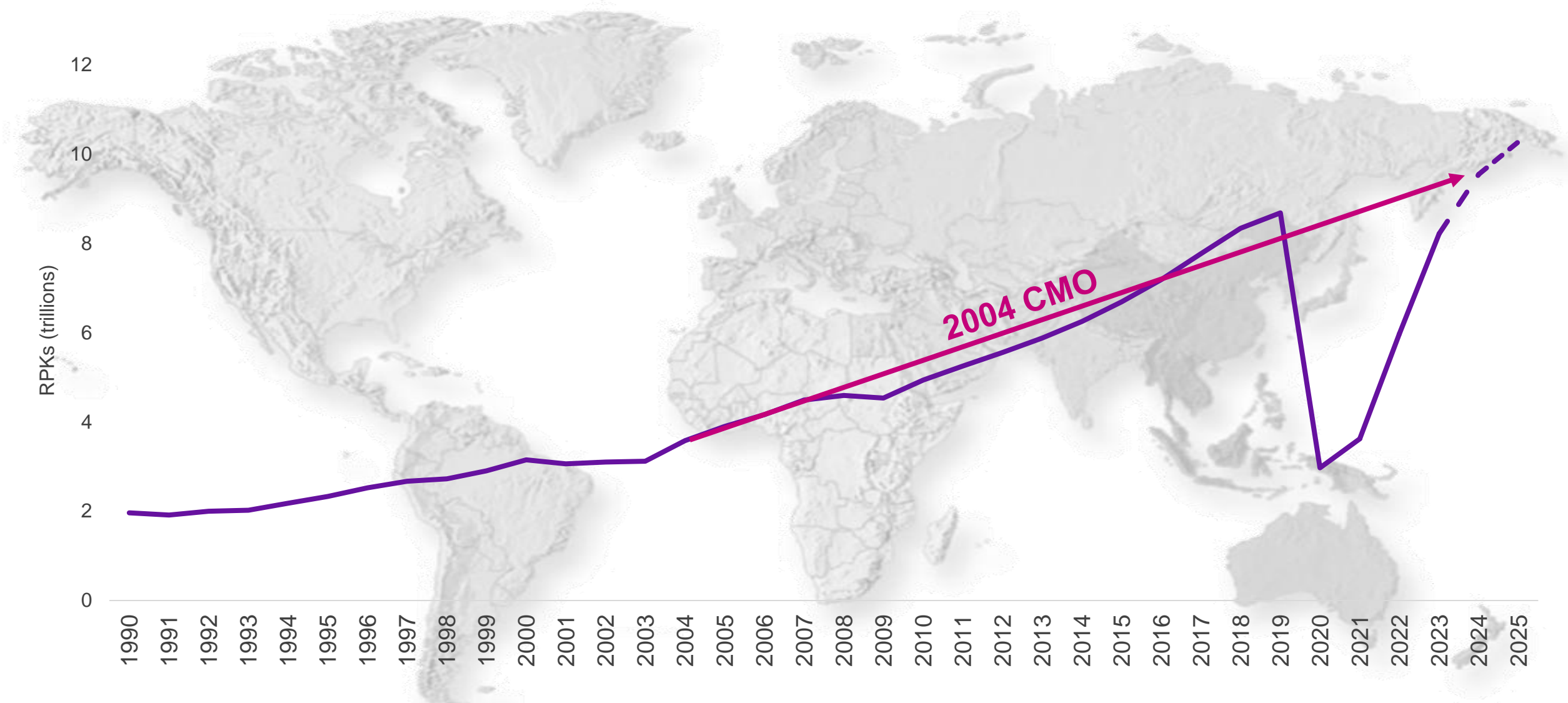
Commercial Market Outlook

Darren Hulst
Vice President, Commercial Marketing

July 16, 2024

The statements contained herein are based on good faith assumptions and are to be used for general information purposes only. These statements do not constitute an offer, promise, warranty or guarantee of performance.

Believe it or not, traffic is where it was projected

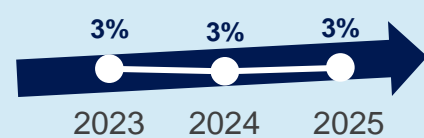


RPKs = Revenue Passenger Kilometers
SOURCES: S&P Global Market Intelligence, Boeing Analysis

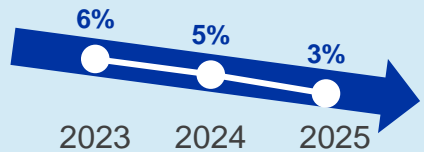


Macro-fundamentals remain supportive

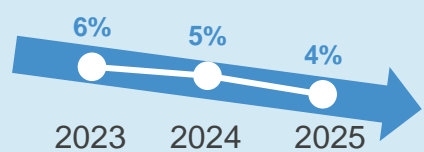
GDP growing steadily



Inflation decelerating



Interest rates falling



SOURCES: S&P Global Market Intelligence, Boeing analysis

Travel remains a top priority



84% will
prioritize
travel in their budget

66% will travel
more
than pre-pandemic

Trip lengths will be 1 day
longer
than before 2020

Aviation is an enabler in an increasingly connected world

2003 Current
40 million **1.9 billion**
Websites

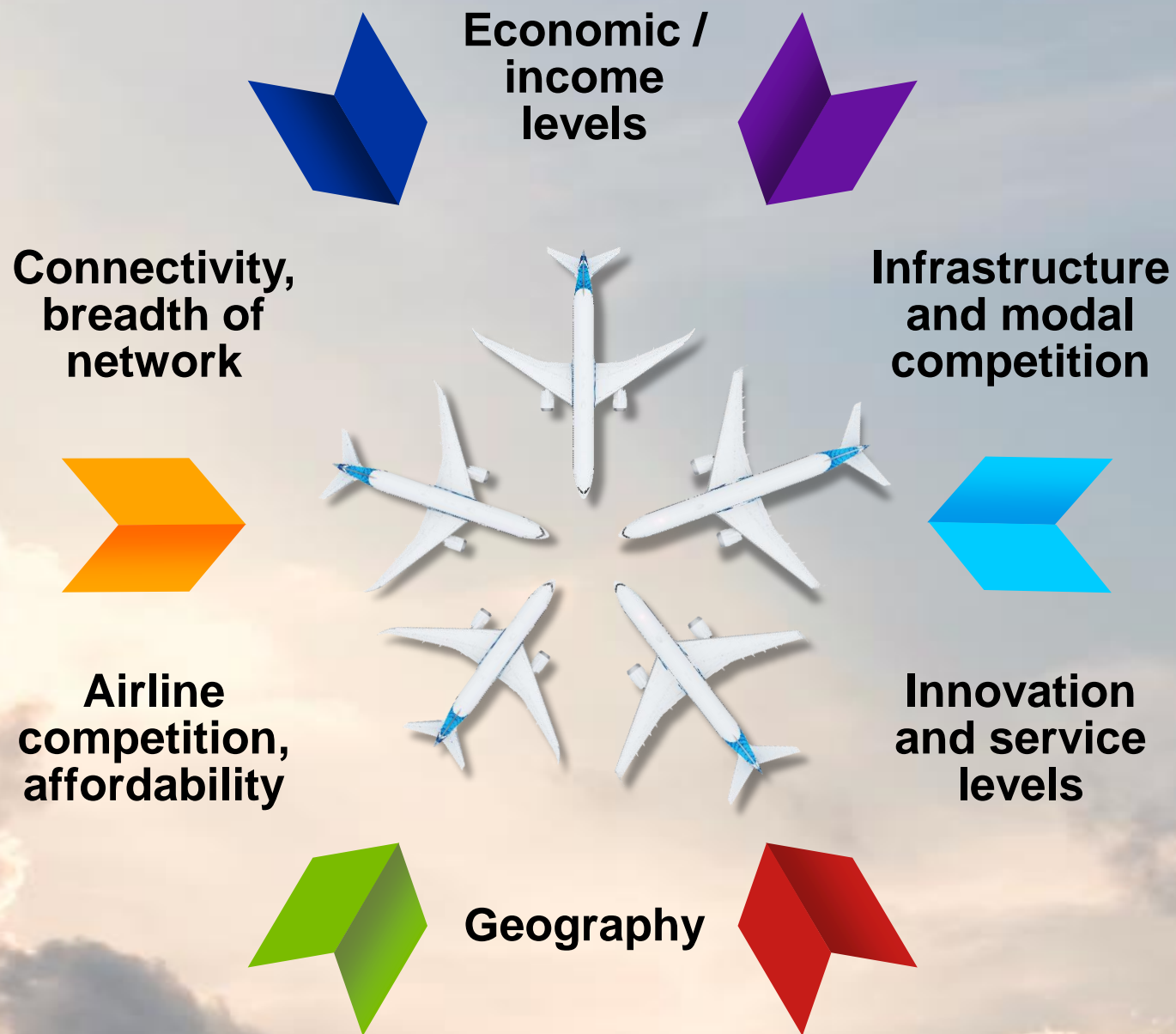


1.4 billion **8.9 billion**
Smartphones



\$215 billion **~\$850 billion**
Global remittances

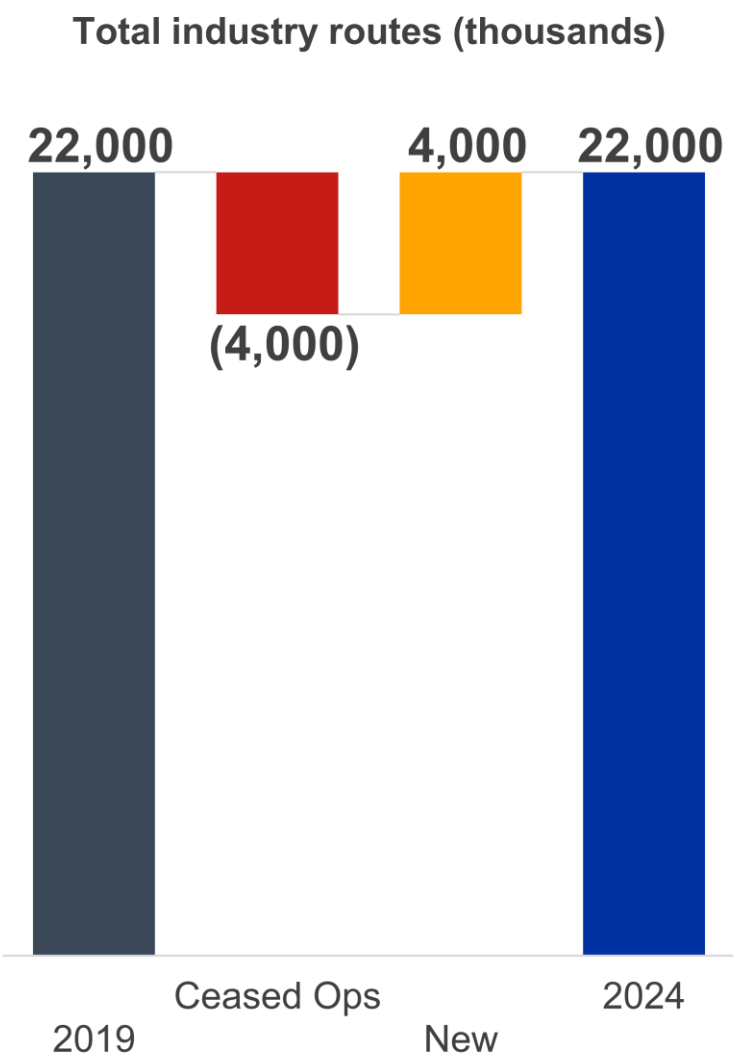
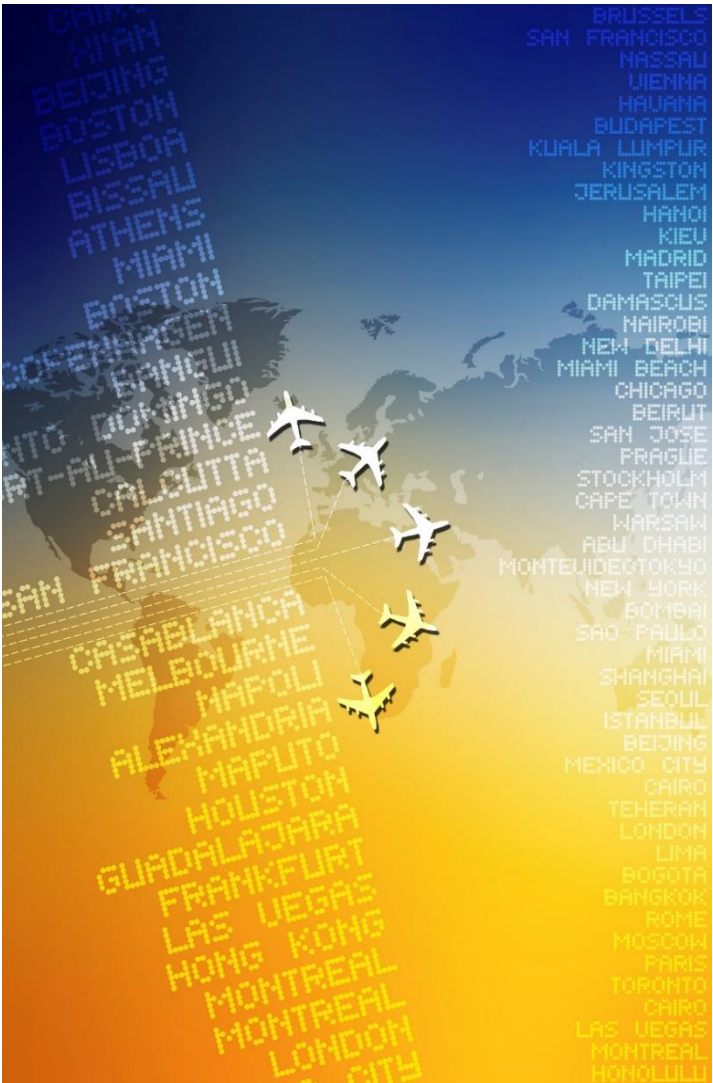
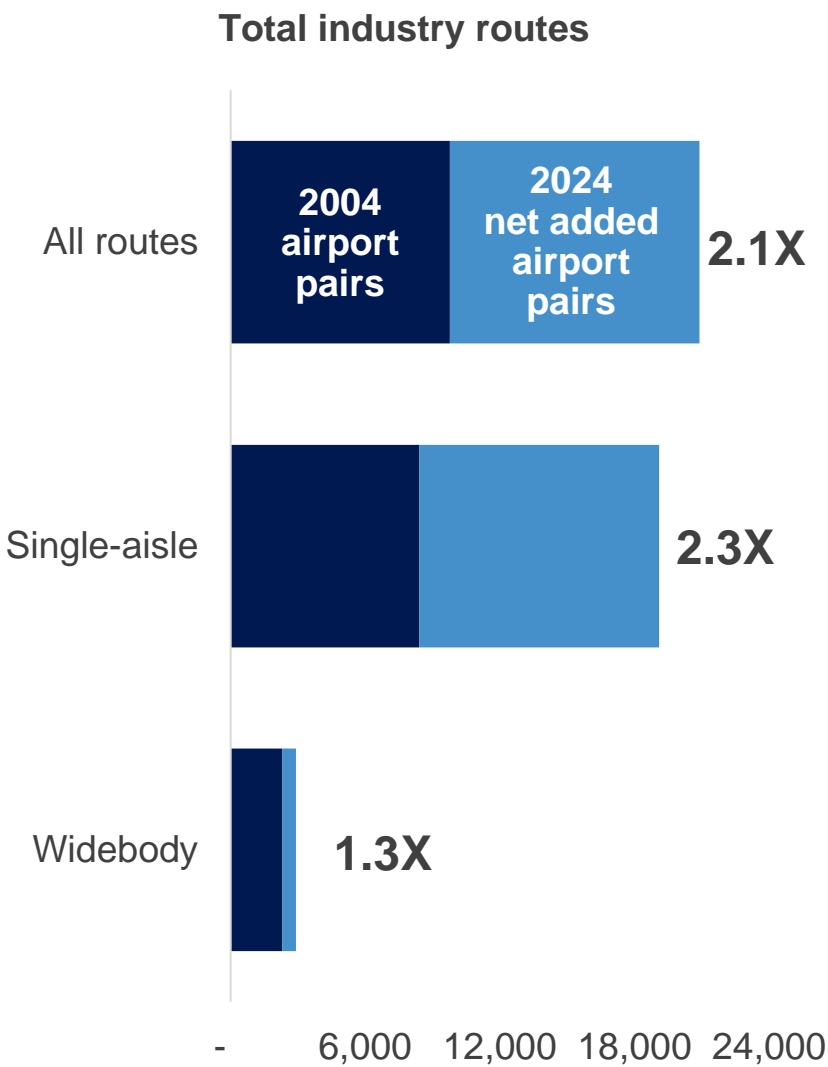




Multi-speed passenger traffic growth



Global network has doubled since 2004, remains dynamic

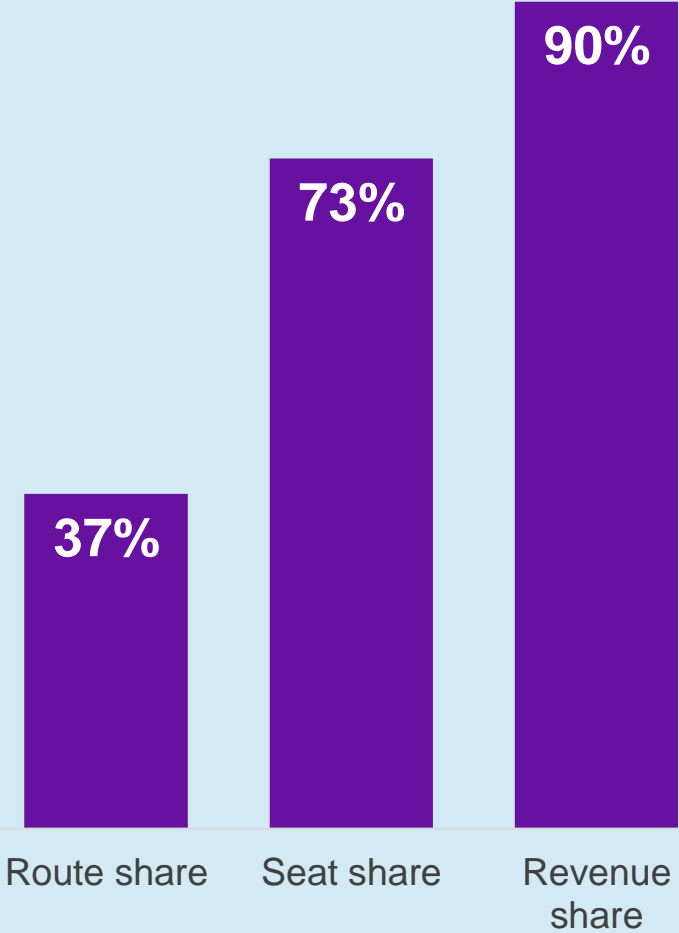


90% of routes have competition



SOURCES: Schedules via Cirium Diio, DDS (IATA), Boeing Analysis

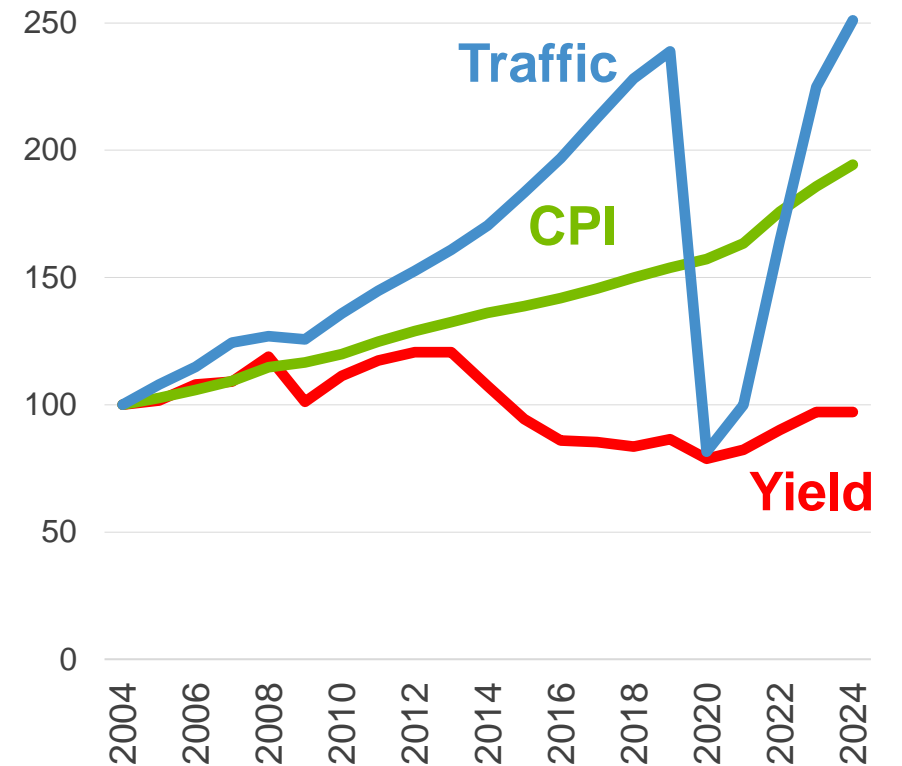
Routes served by two or more airlines



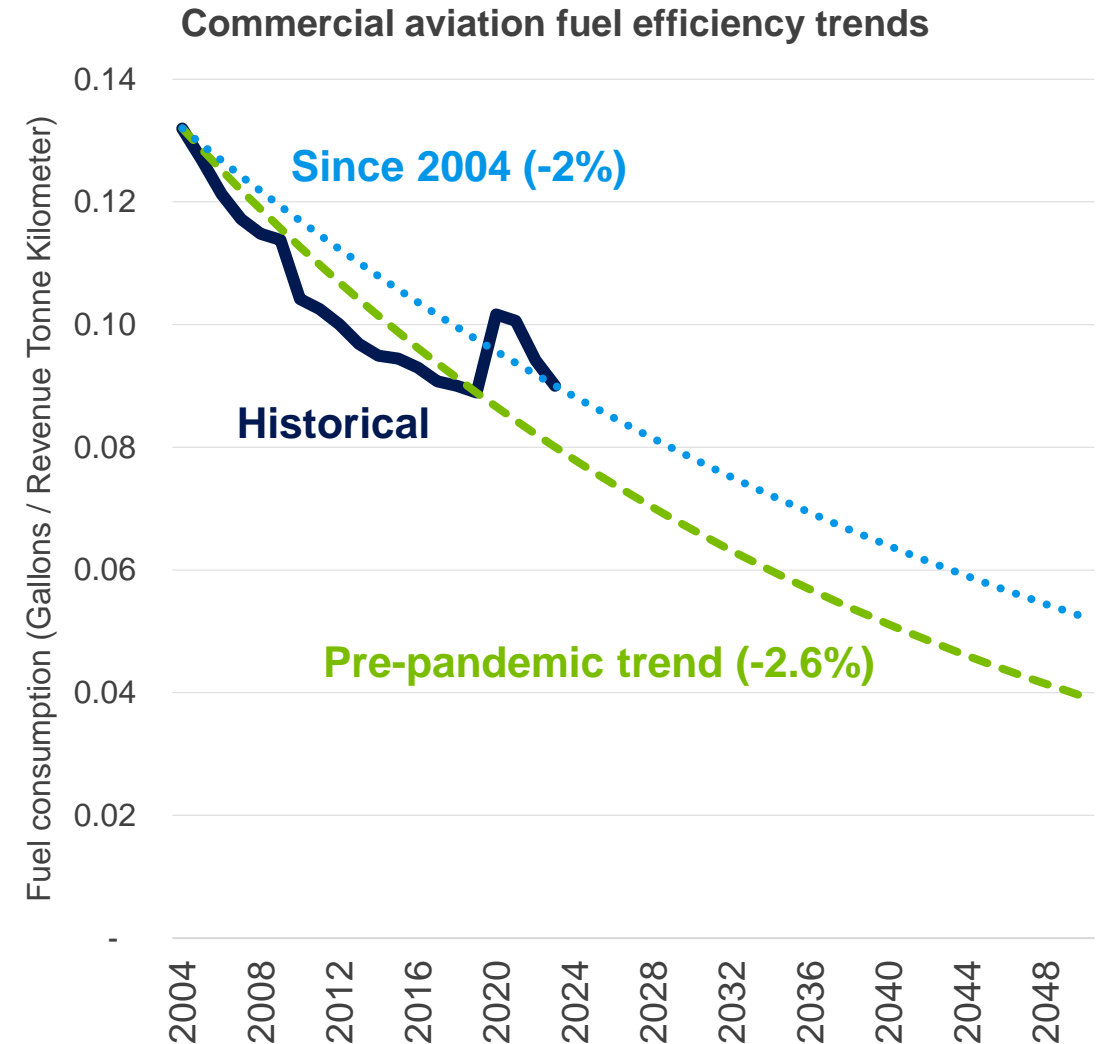


Air travel remains affordable

Passenger yields vs. global consumer prices (2004 = 100)



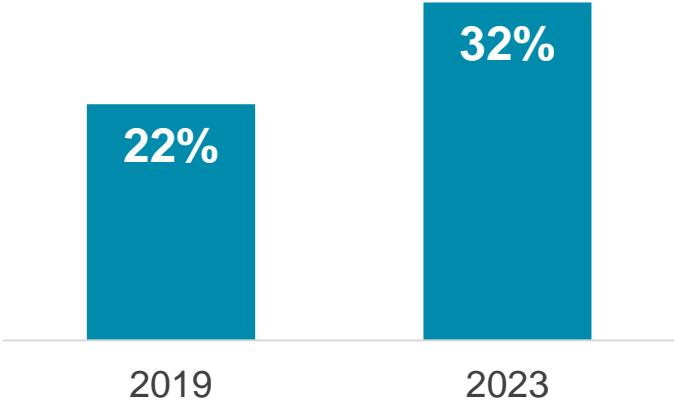
Fleet efficiency continues to improve



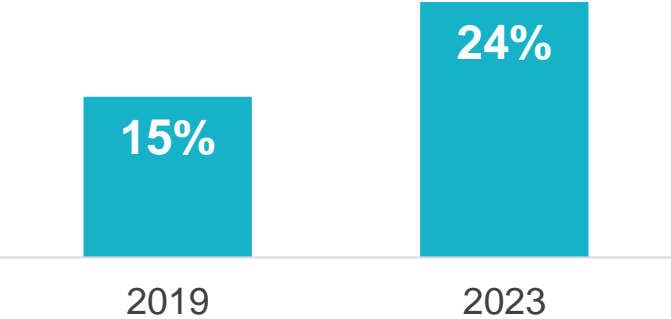
Differentiation increasing: premium economy seat share up 10% on major long-haul flows



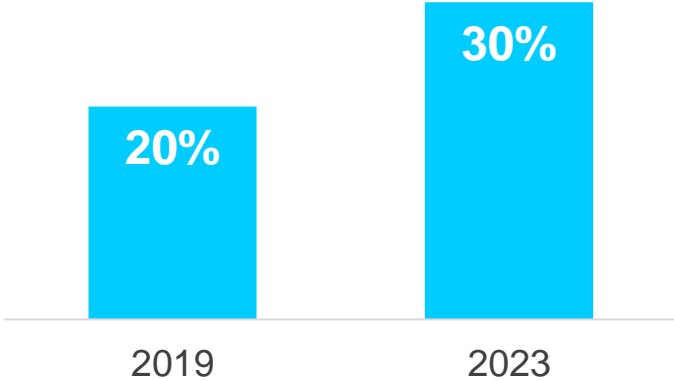
Transatlantic



Europe-Asia

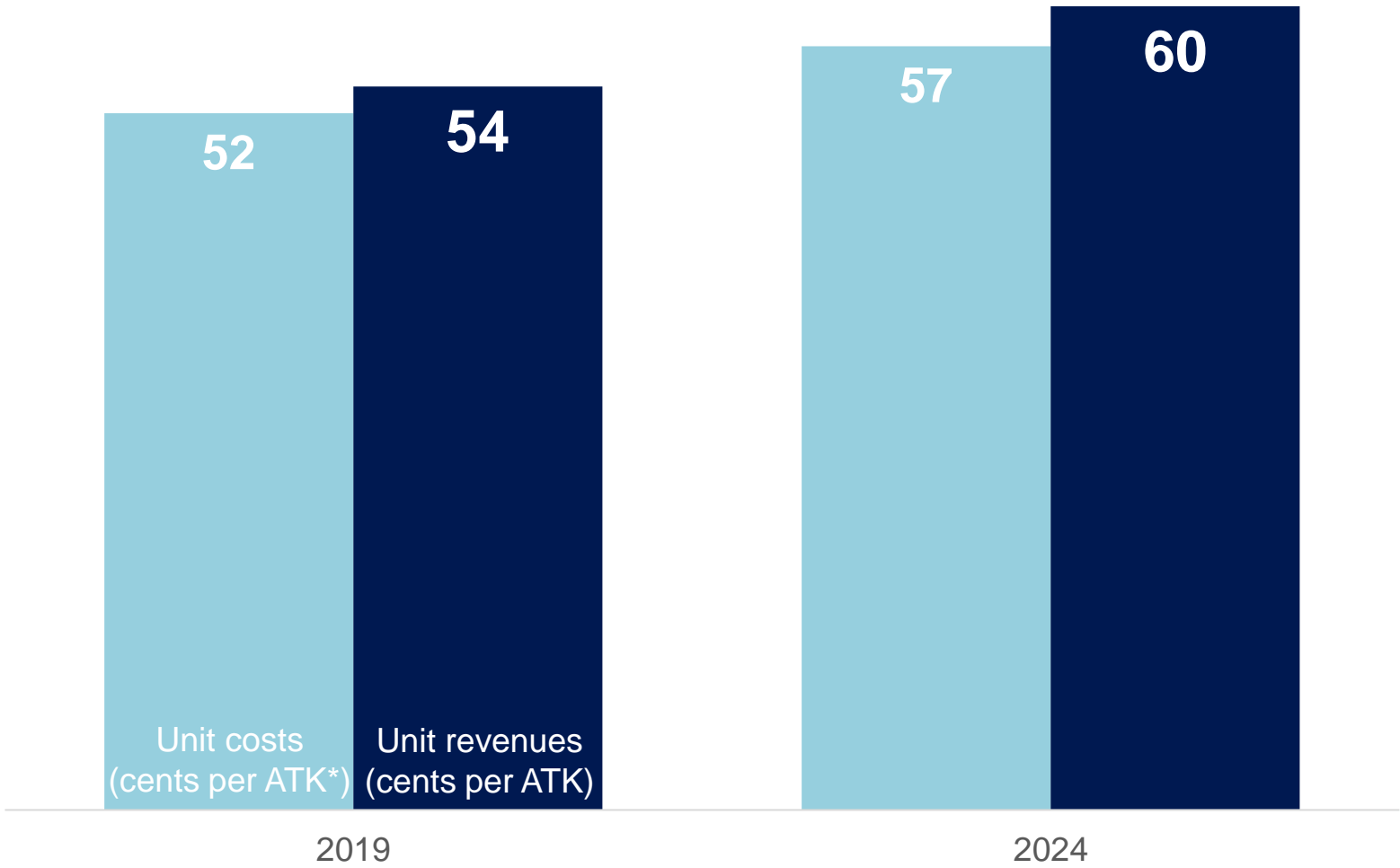


Transpacific



SOURCES: 2023 Cirium Diio FMTraffic, Cirium Diio, Cirium Fleets Analyzer, Boeing analysis
Premium economy seat share, premium cabins only

Airlines managing profitability in volatile market



*ATK: Available Tonne Kilometers
SOURCE: IATA Industry Outlook, June 2024

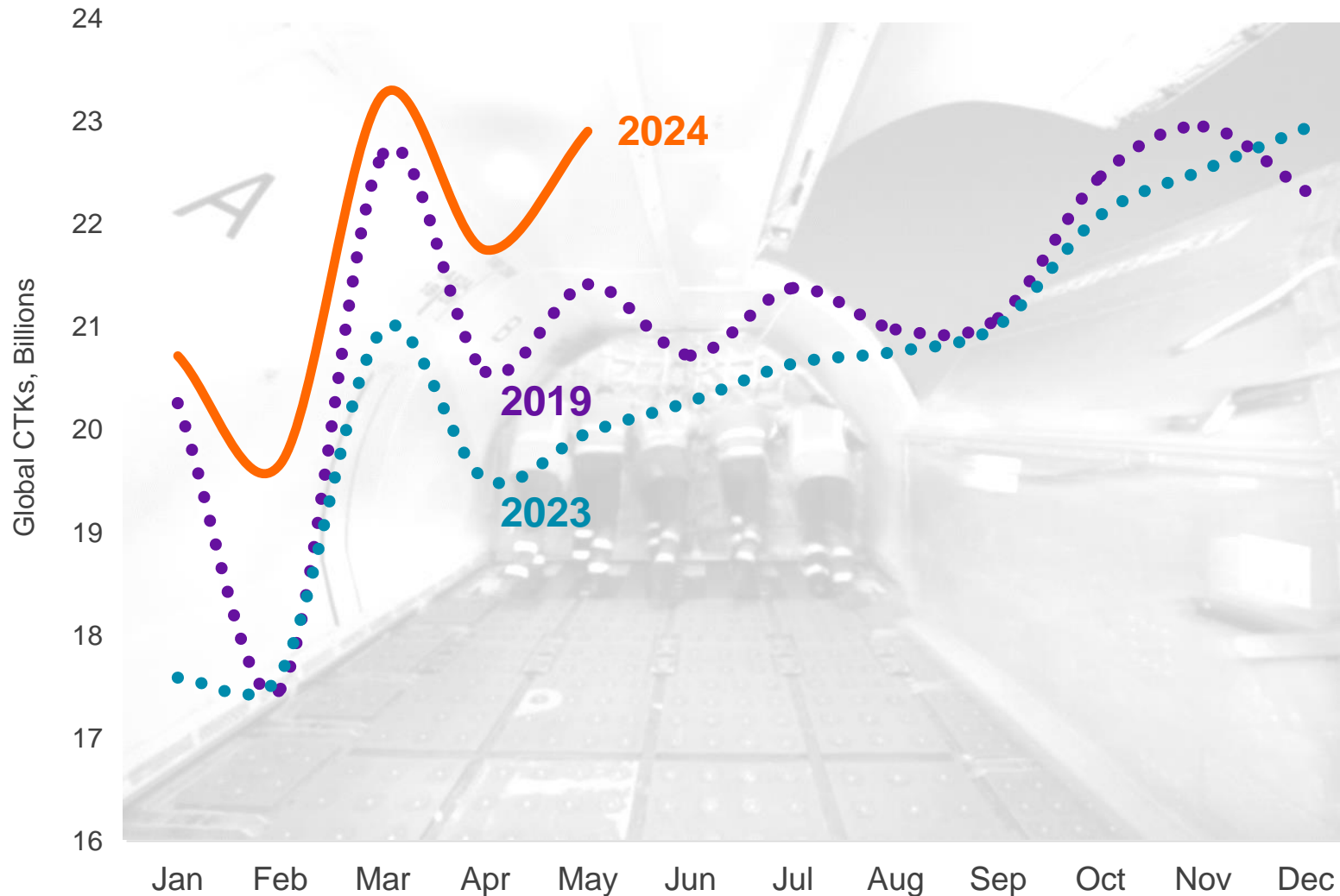


Operating profit:
+\$17 billion

Net profit:
+\$4 billion

Profit per passenger:
+6%

Global air cargo traffic continuing strong recovery



+13%

Year to date vs. 2023

Trade growth recovering

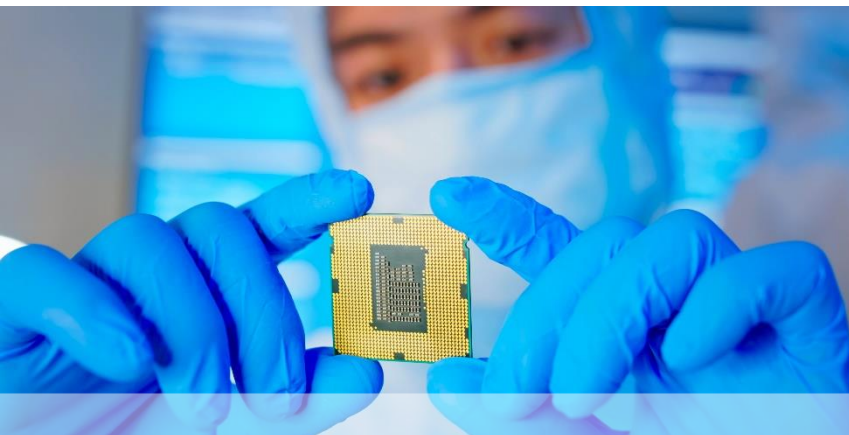
Semiconductor demand rising

Inventories normalizing

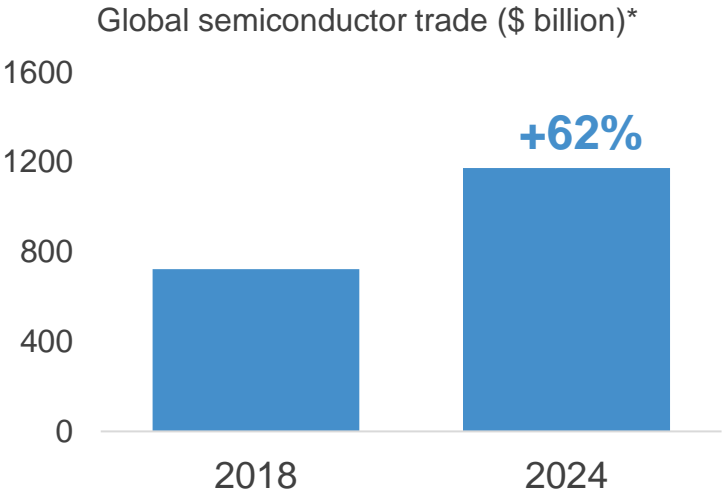
E-commerce growth

Maritime shipping disruptions

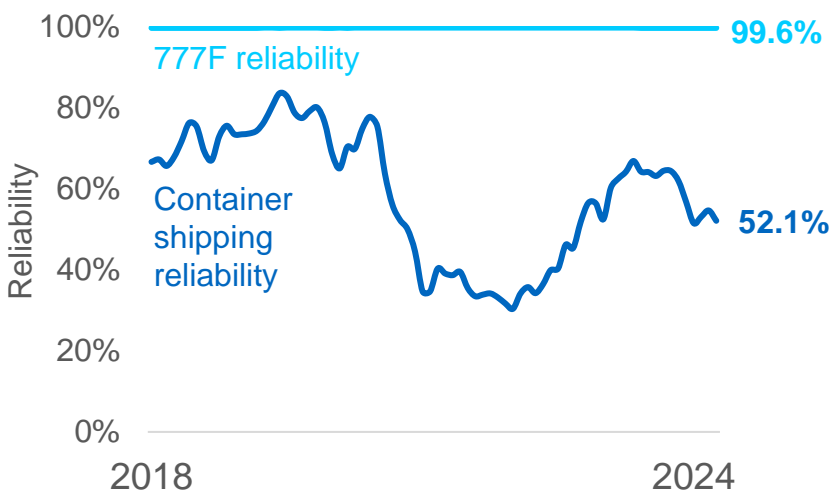
Key drivers supporting air cargo momentum



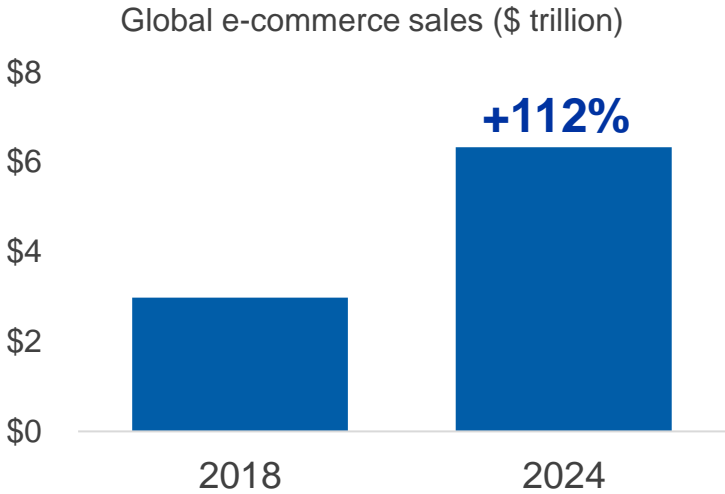
Trade, manufacturing up



Supply chain resilience

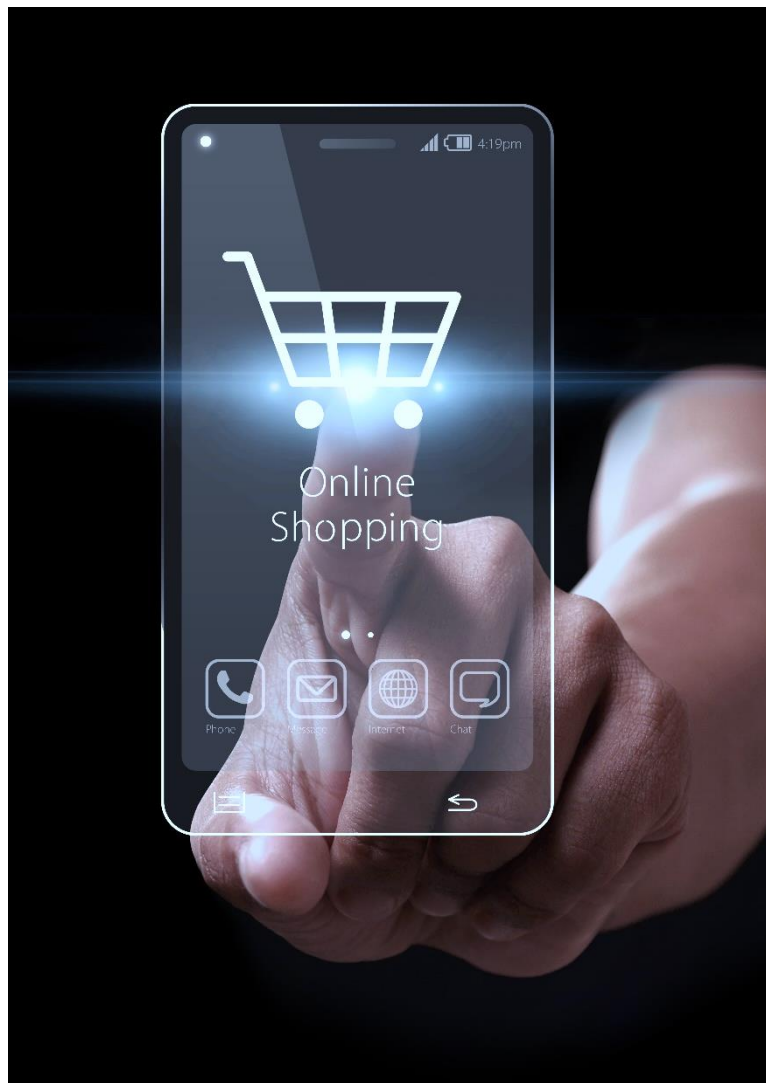


E-commerce boosting growth



SOURCES: S&P GTAS Forecasting, www.sea-intelligence.com, Boeing ACTD; IATA; eMarketer; Digital Commerce 360; Boeing analysis
*Note: semi-conductor trade is real value of trade in electronic valves, tubes, semiconductors and other electronic components.

E-commerce boosting air cargo demand



SOURCES: IATA Monthly Statistics; CAAC; Boeing analysis. Cargo Facts.

Emerging platforms
shipping

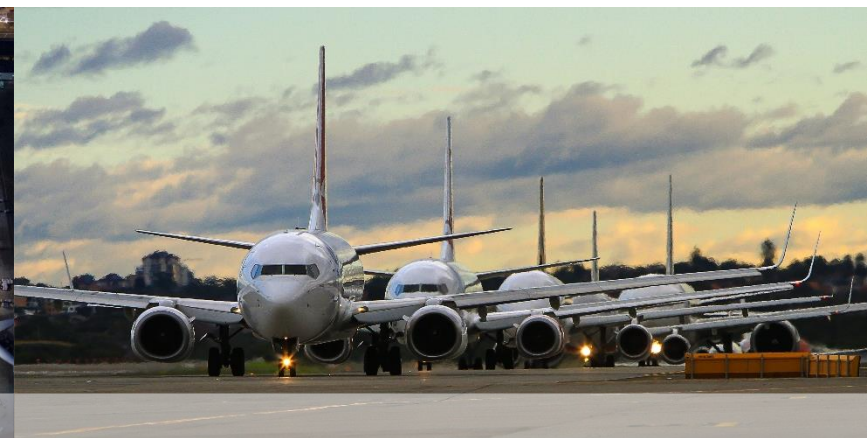
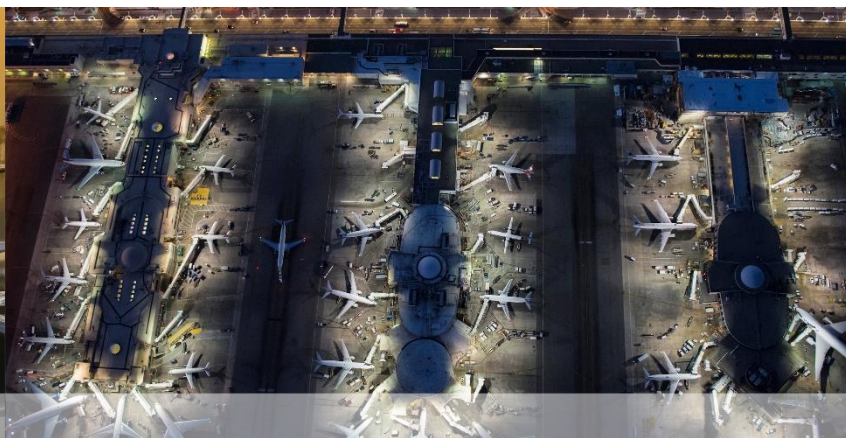
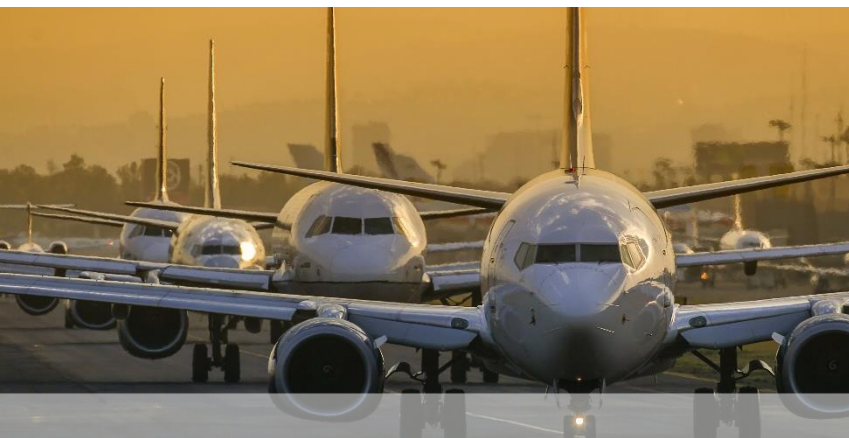
10,000+
tonnes per day

Equivalent to
100 777Fs
daily



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Global fleet is progressing along road to recovery



Current

Constrained

Delayed

Extended

Aging

Returning

Capacity

Retirements

Leases

Fleets

Productivity

End of decade

Increasing

Normalizing

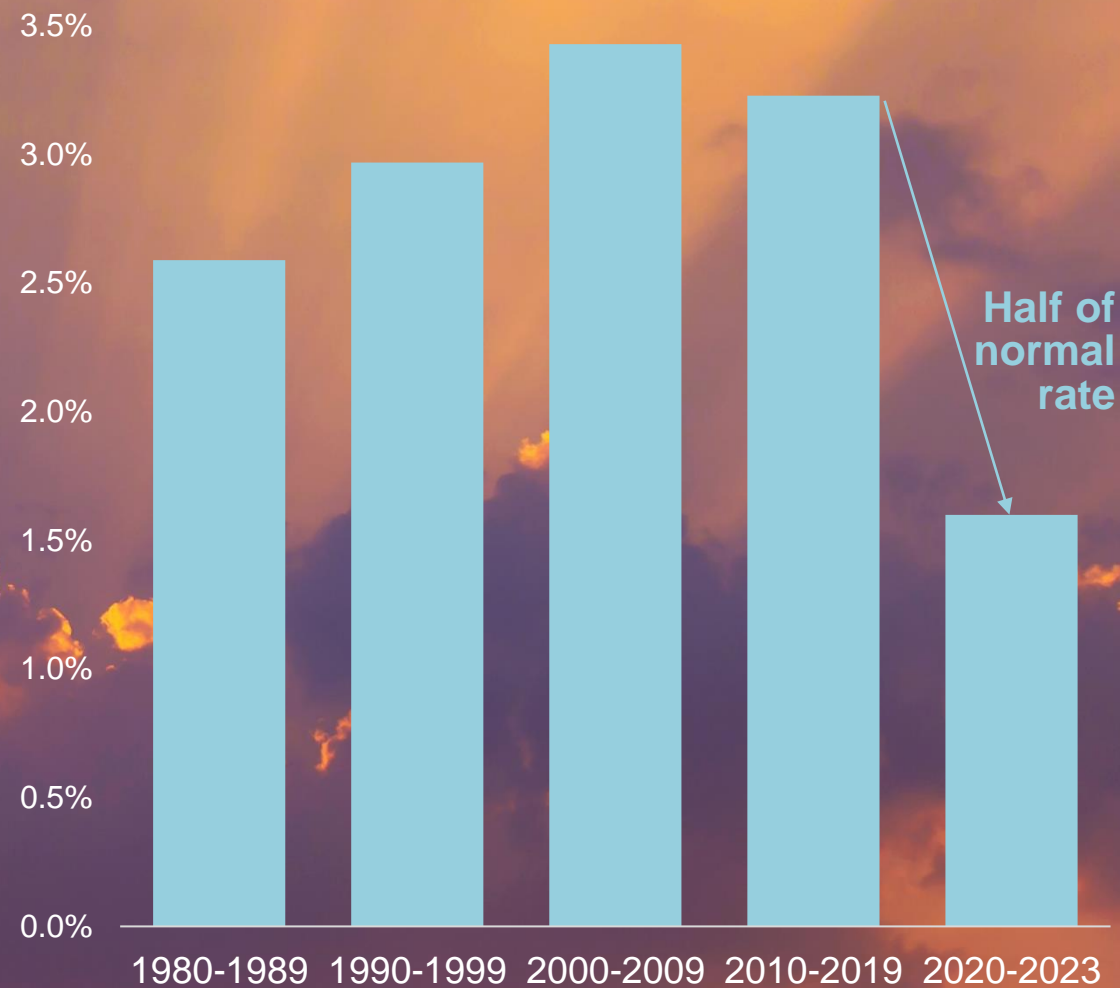
Transitioning

Renewing

Growing

Airplane supply temporarily constraining retirements

Annual removal rate from passenger fleet



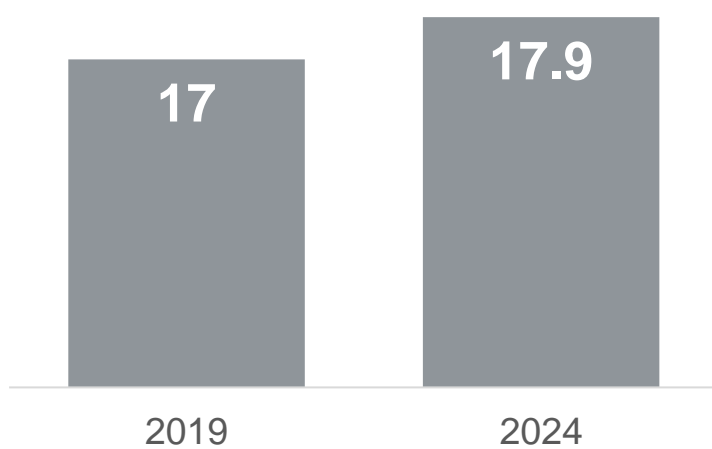
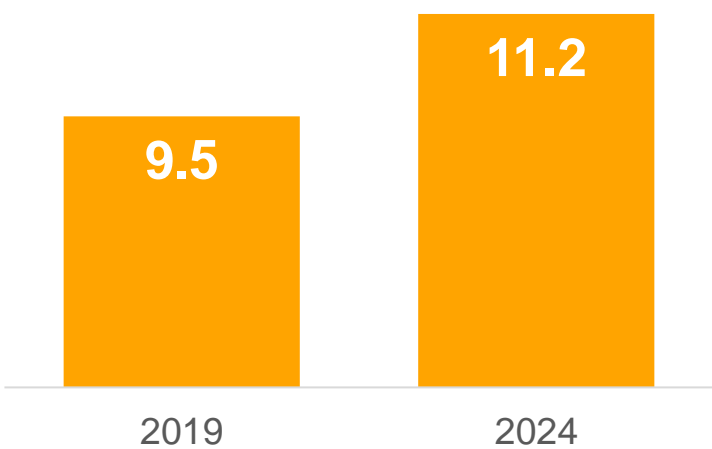
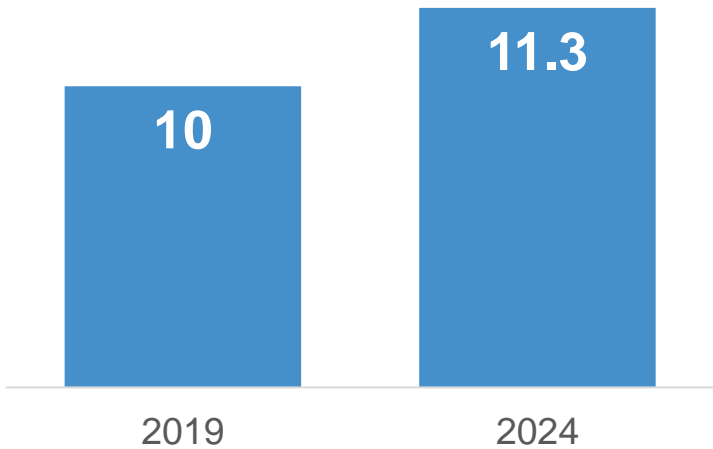
So average fleet age is rising



Single-aisle passenger

Widebody passenger

Widebody freighter

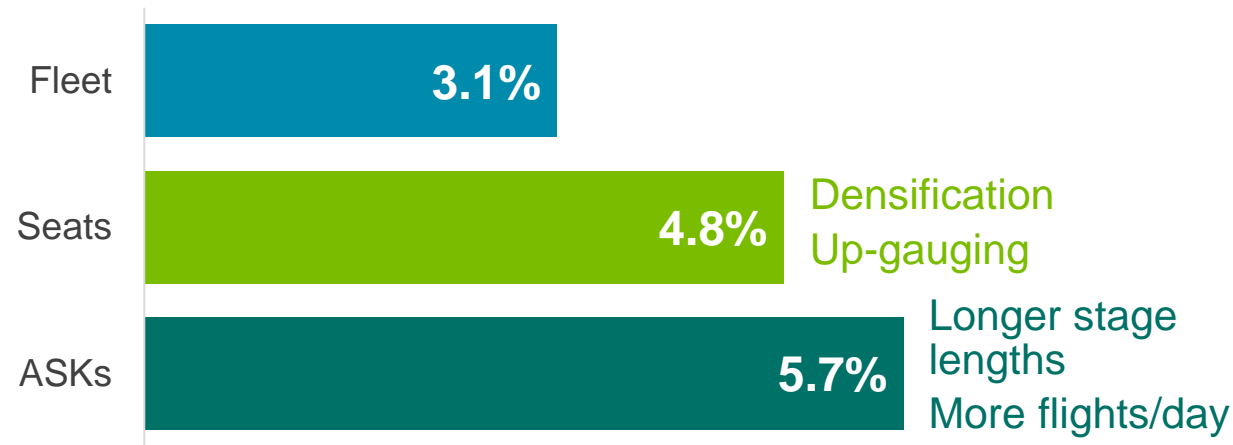


SOURCE: Cirium, June data

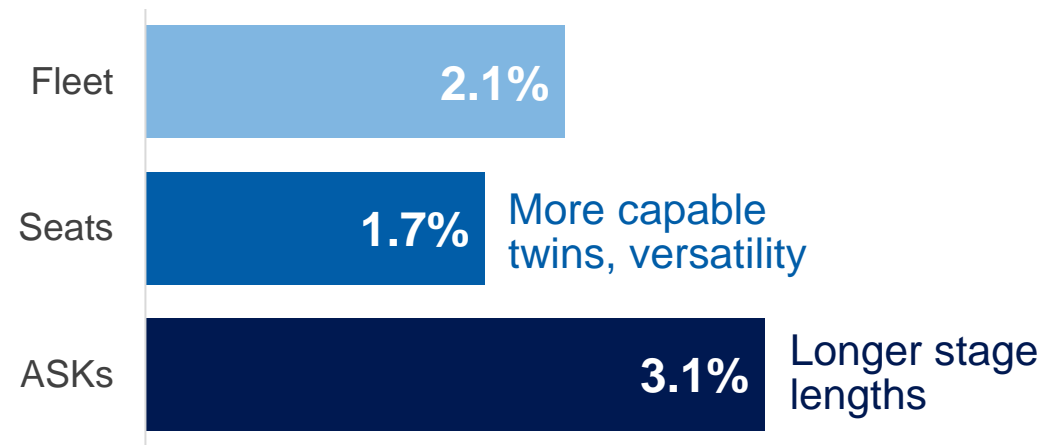
Fleet productivity rising, dynamics similar but different



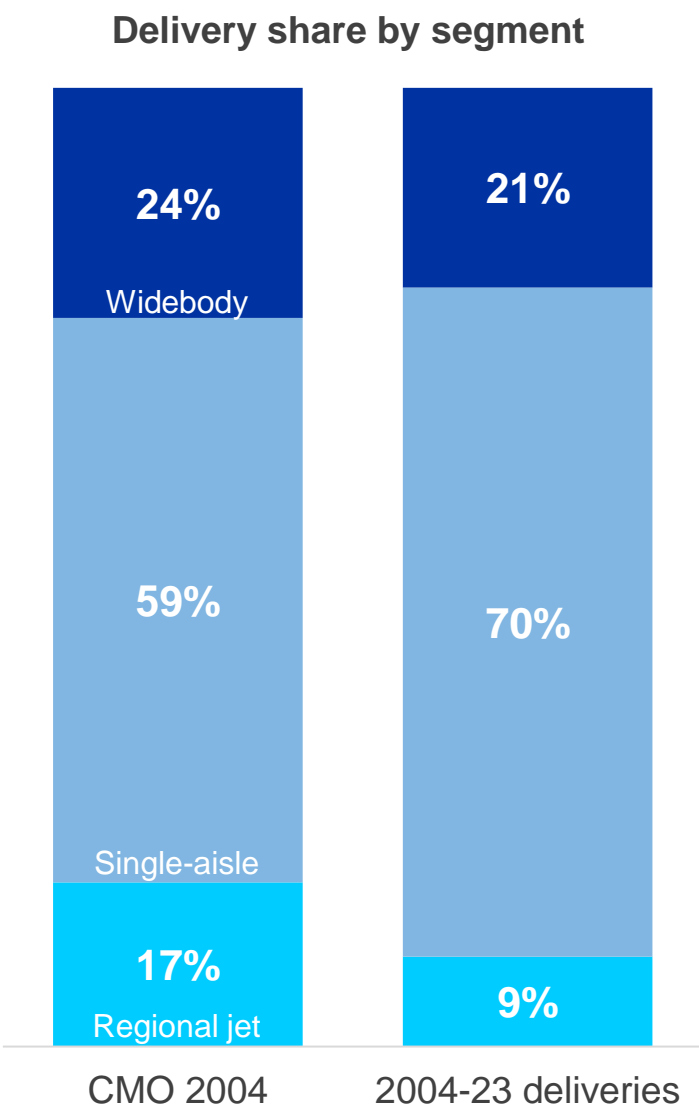
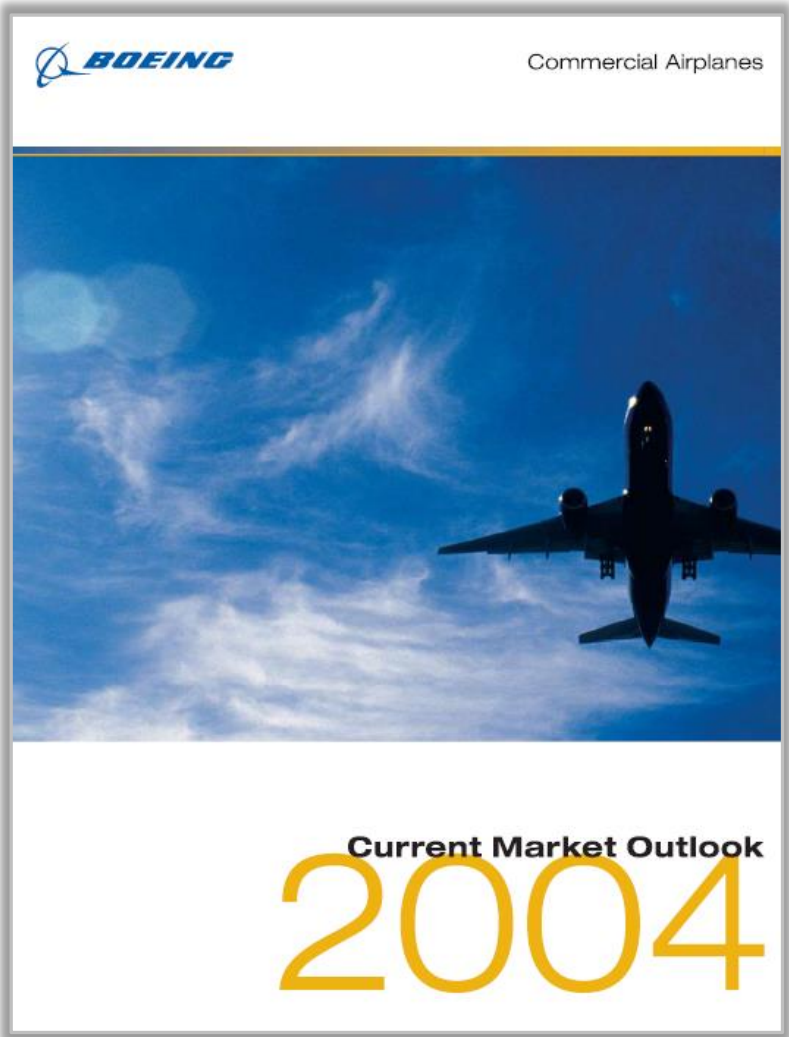
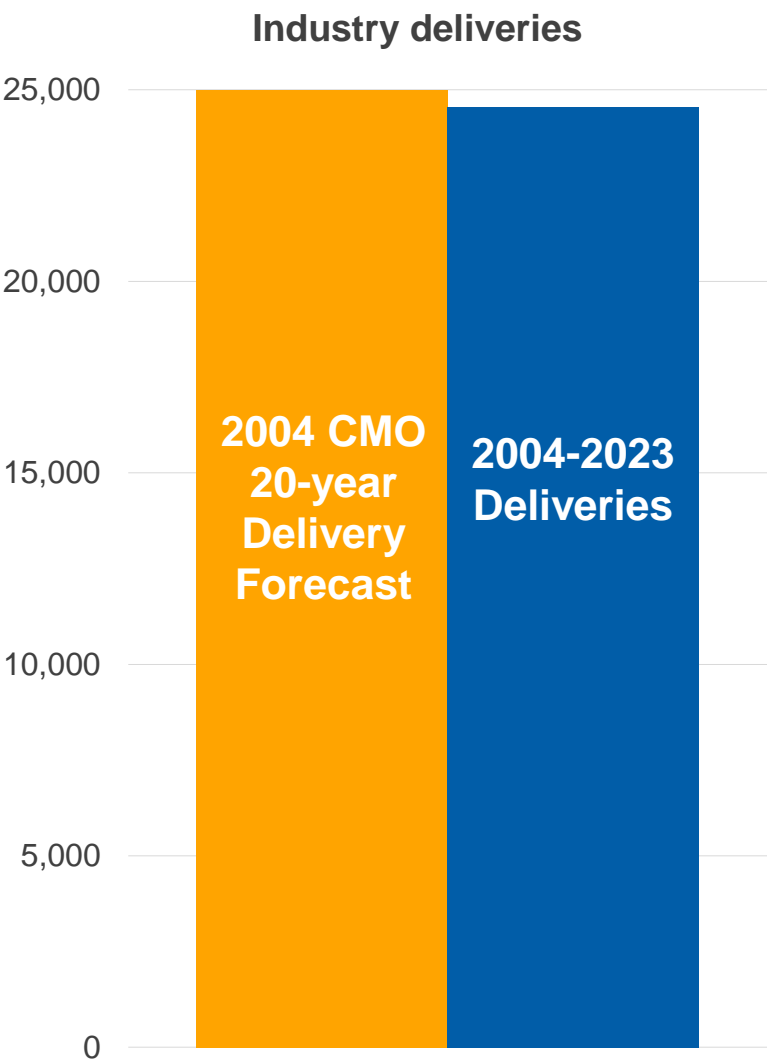
Single-aisle annual growth (2003-2023)



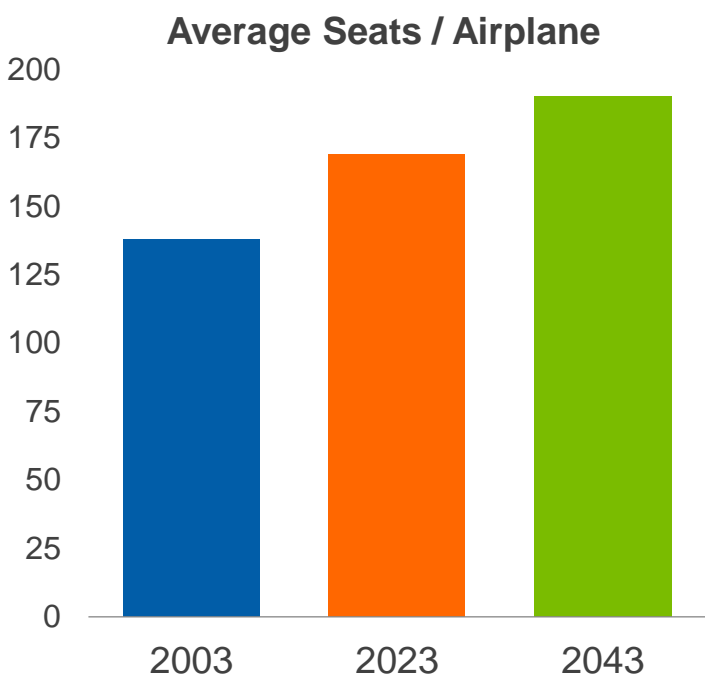
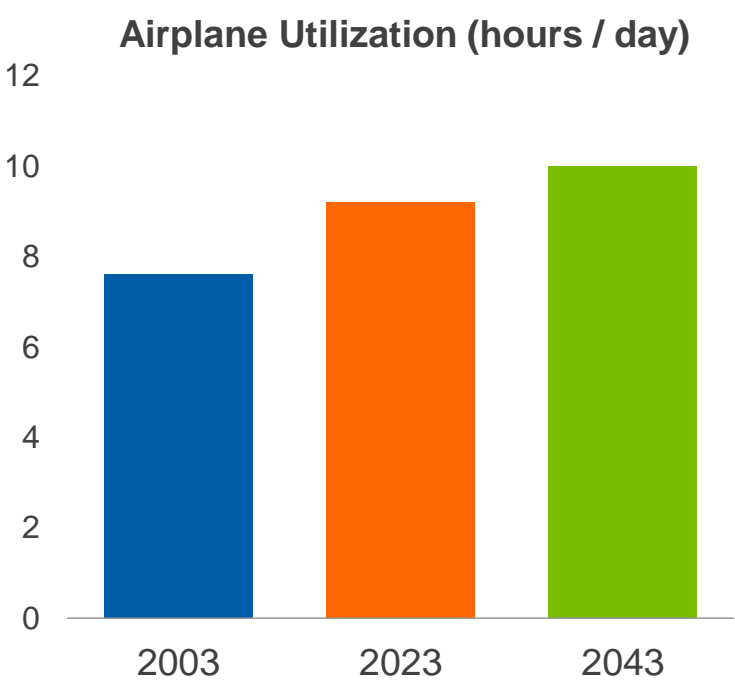
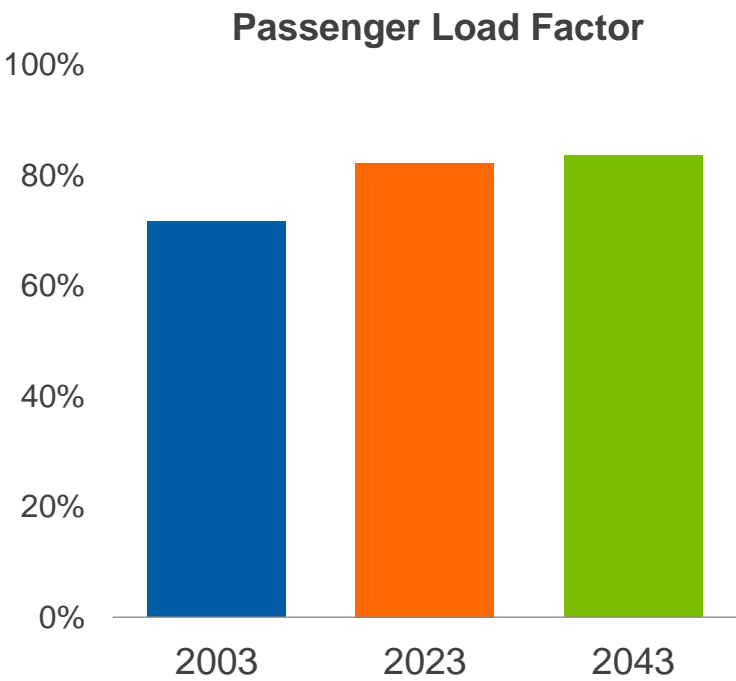
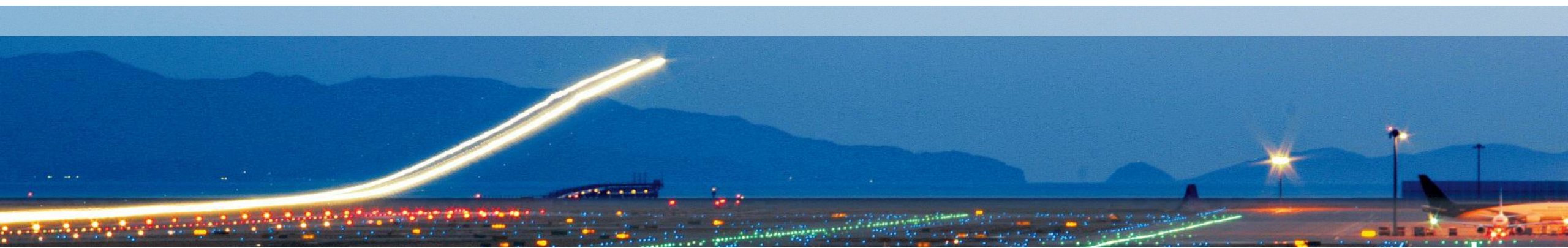
Widebody annual growth (2003-2023)



Remarkably accurate forecast



Going forward, productivity gains likely to slow



SOURCES: ICAO, IATA, Boeing

Steady long-term forecast driven by fundamentals



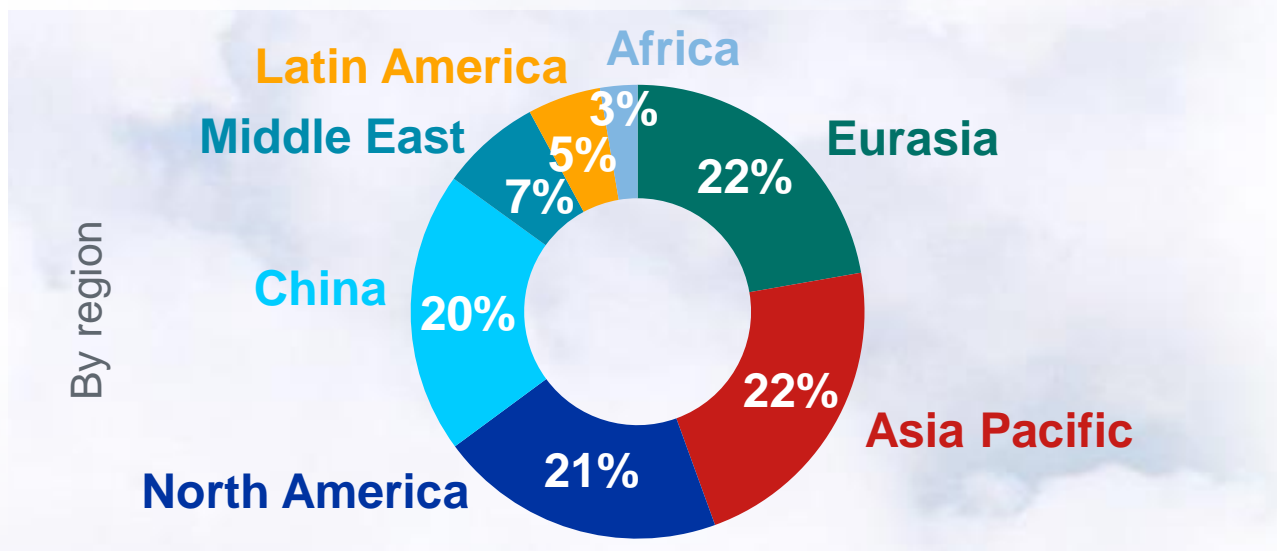
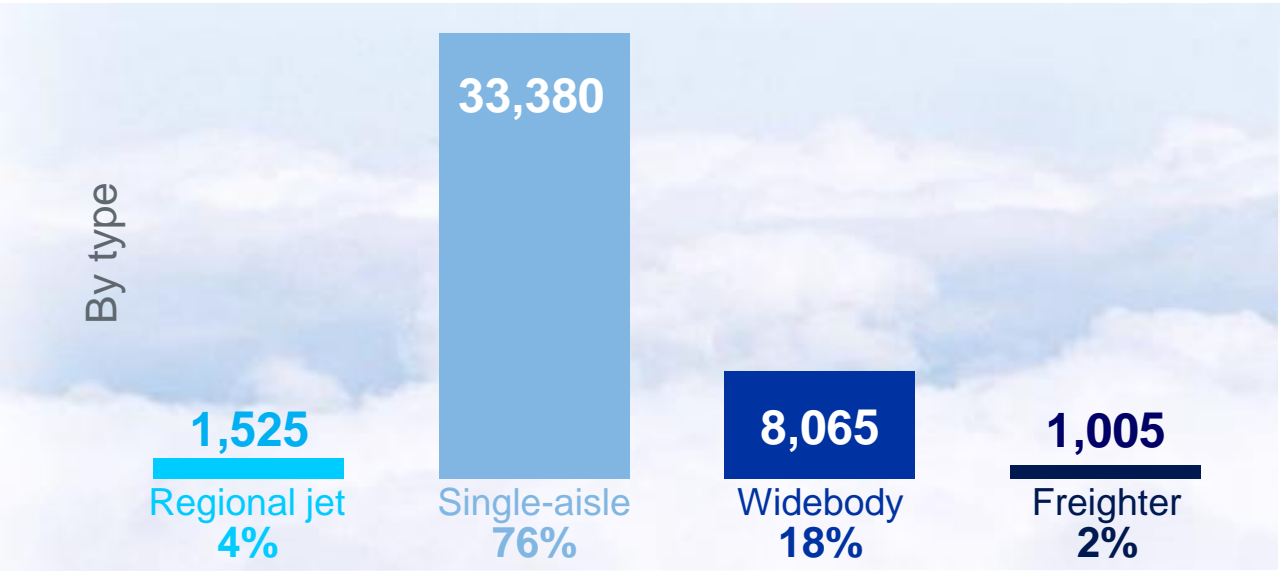
World economy
(GDP)
2.6%

Passenger traffic
(RPK)
4.7%
3.6% vs. 2019

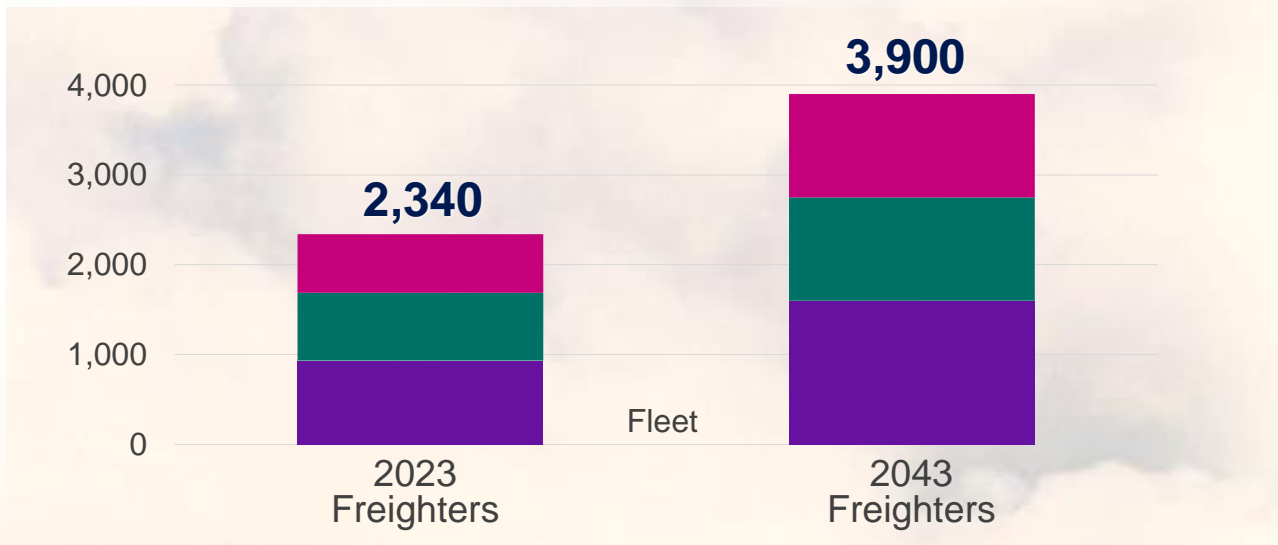
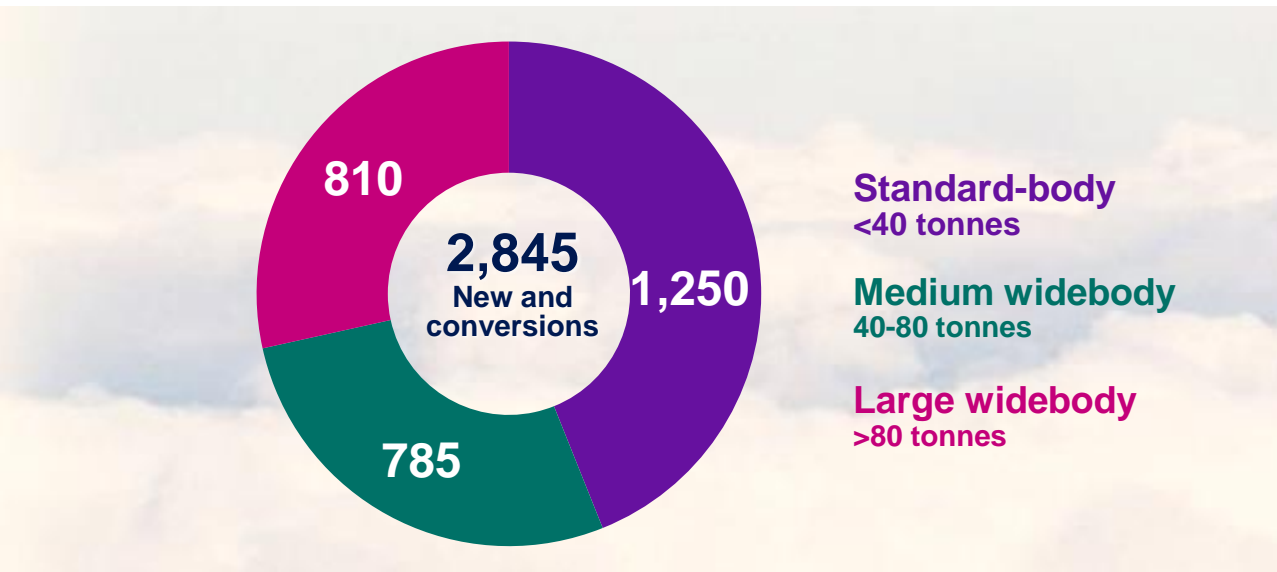
Cargo traffic
(RTK)
4.1%

Fleet growth
(Jets)
3.2%

Airlines will need 43,975 new airplanes over 20 years

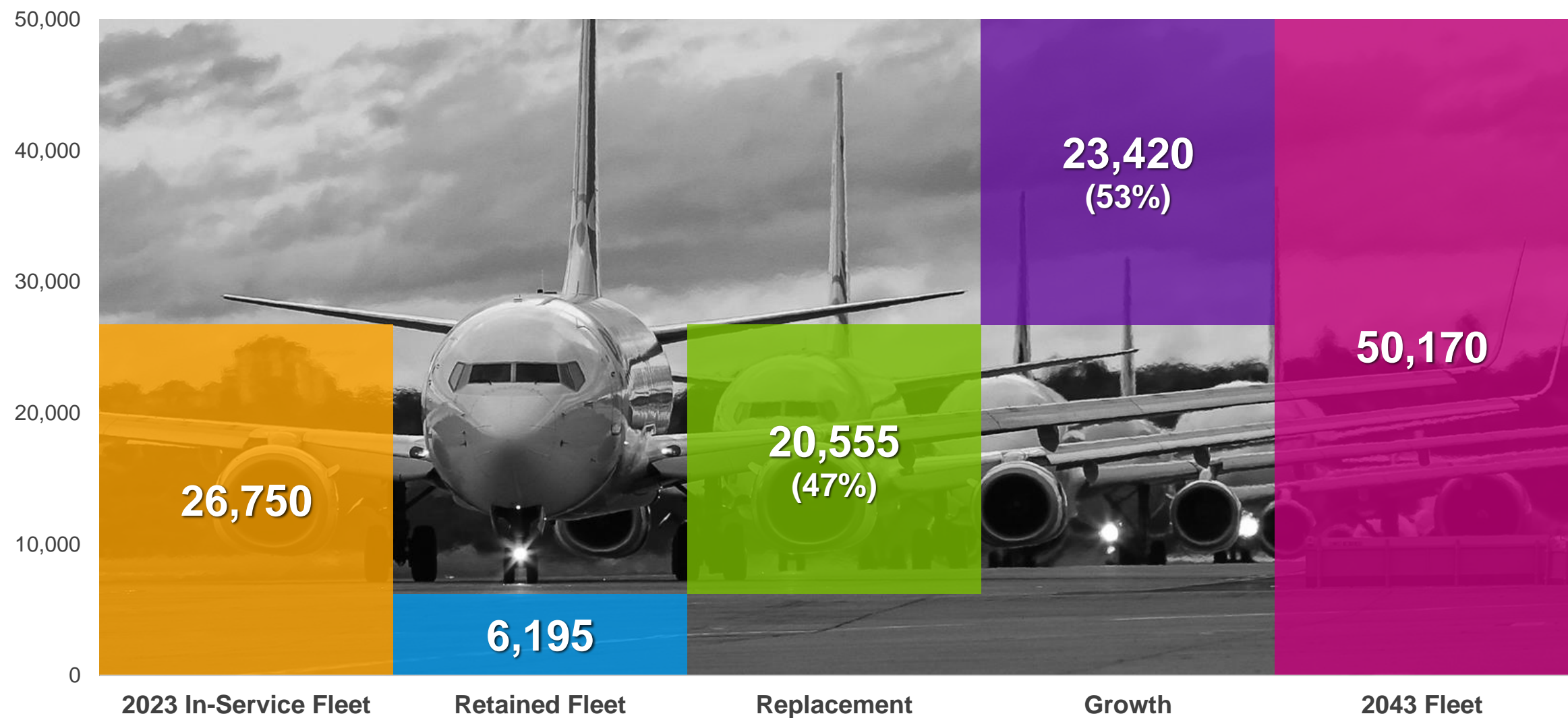


World air cargo market to demand more than 2,800 freighters by 2043



SOURCE: Boeing Commercial Market Outlook July 2024, Forecast period 2024-2043

Global fleet will double, nearly half of deliveries for replacement



Decarbonizing aerospace

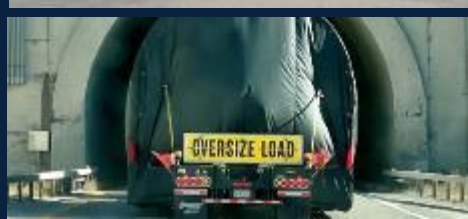
FLEET RENEWAL



OPERATIONAL EFFICIENCY



RENEWABLE ENERGY



ADVANCED TECHNOLOGY



MARKET-BASED MEASURES



Commercial services are critical to the aviation eco-system



Today

43M
People

310M
Maintenance hours

100K
Heavy and line events

Digital Solutions & Analytics

Freighter Conversions

Engineering & Modifications

Engine Maintenance

Component Maintenance

Airframe Maintenance

Parts & Distribution Services

Training Services

In 20 years

85M
People

565M
Maintenance hours

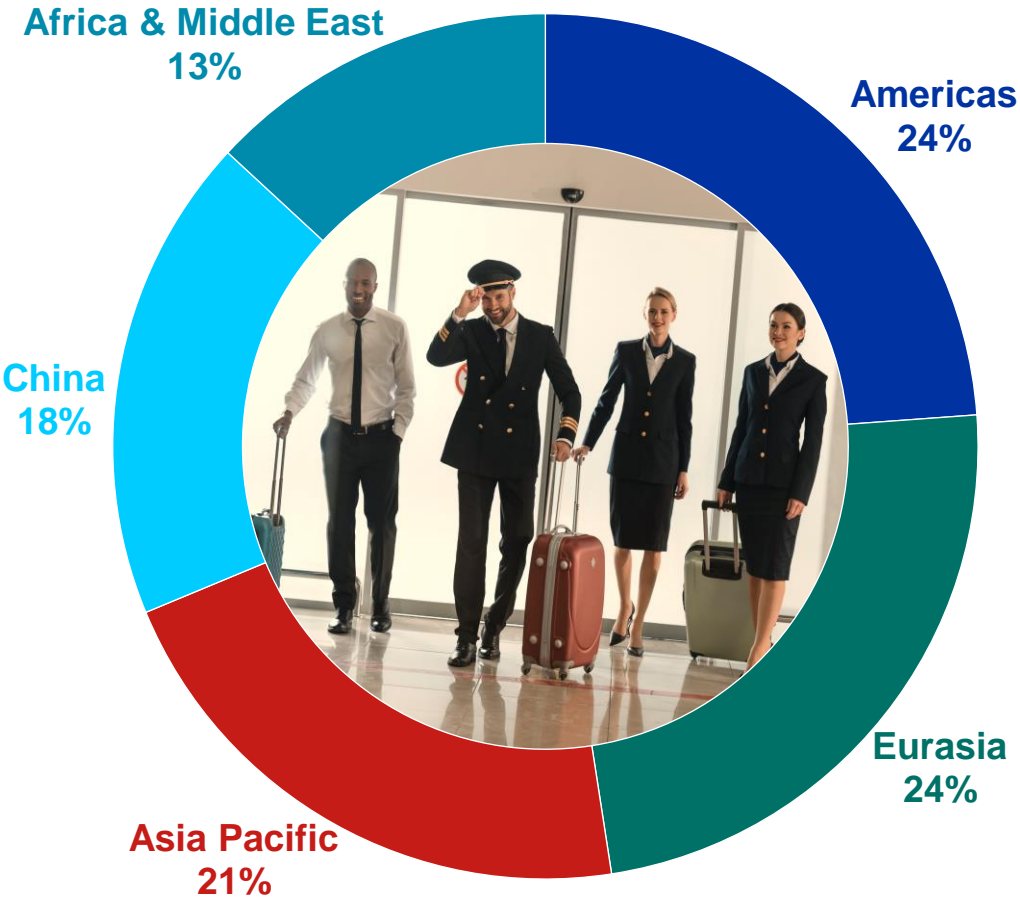
215K
Heavy and line events

Growth and replacement drive services and labor needs

\$4.4T in Services



2,370,000 New Personnel



SOURCE: Boeing; forecast period 2024-2043

Summary

Market is resilient



Industry is recovering



Long-term growth



**Designed for efficiency
& sustainability**



**Offering the most
capability & productivity**



**Delivering versatility
for a dynamic market**



