Welcome To The IOM Aviation Conference





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Welcome Address



Presented by: Conference Chairperson



Chief Executive, Royal Aeronautical Society



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Business Aviation Data Updates



Presented by:



Managing Director, WINGX



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Contents

- 1. Global Utilisation Trends steady despite risks
- 2. Aircraft Type which products in most demand
- 3. Operator Type winners and losers in post-Covid market
- 4. Macro headwinds and tailwinds

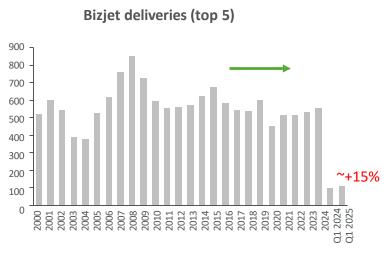


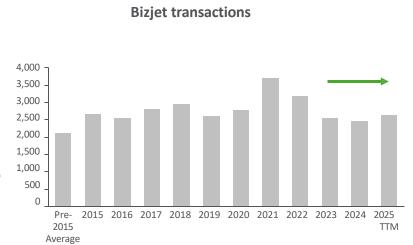
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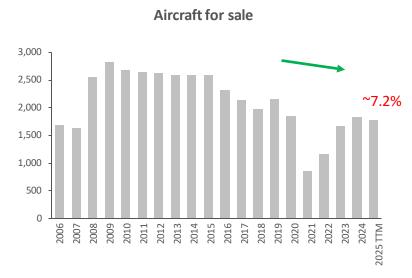


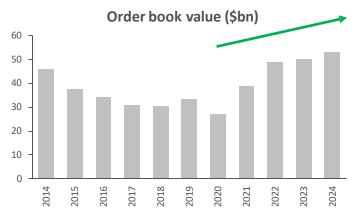
Across the board, industry indicators are quite positive

The market has seen improvement across a range of supply and demand – utilisation most of all

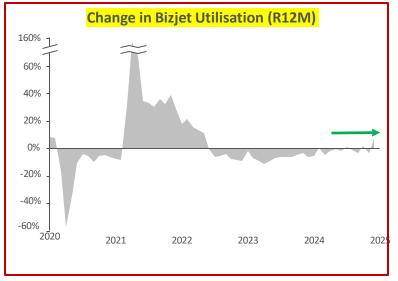






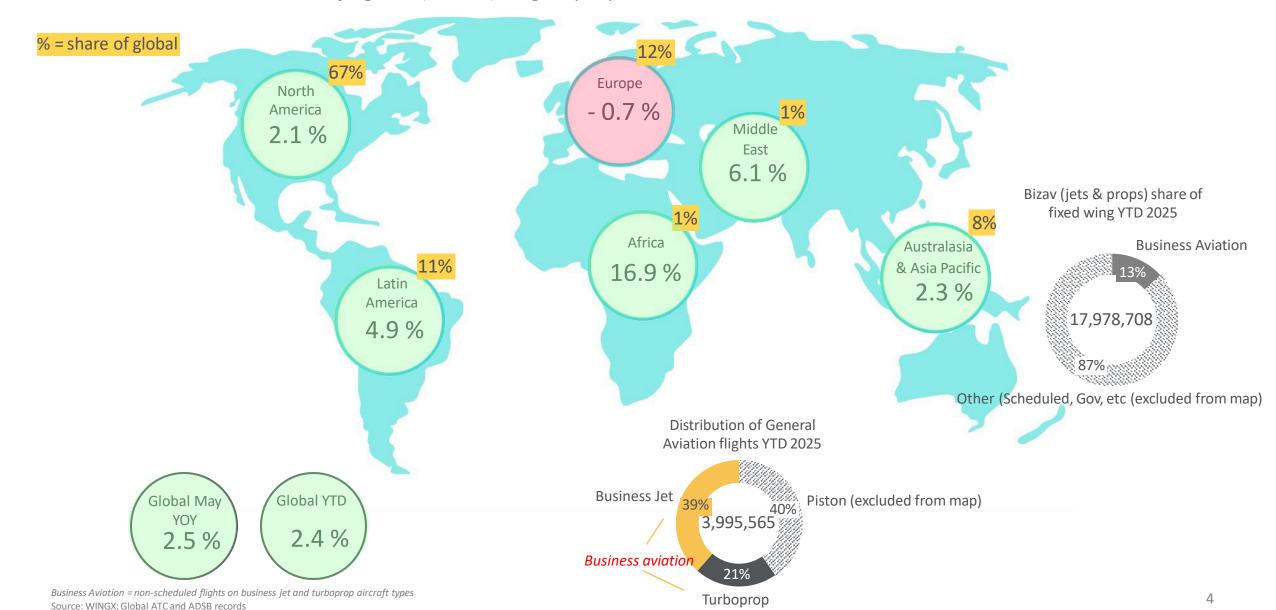






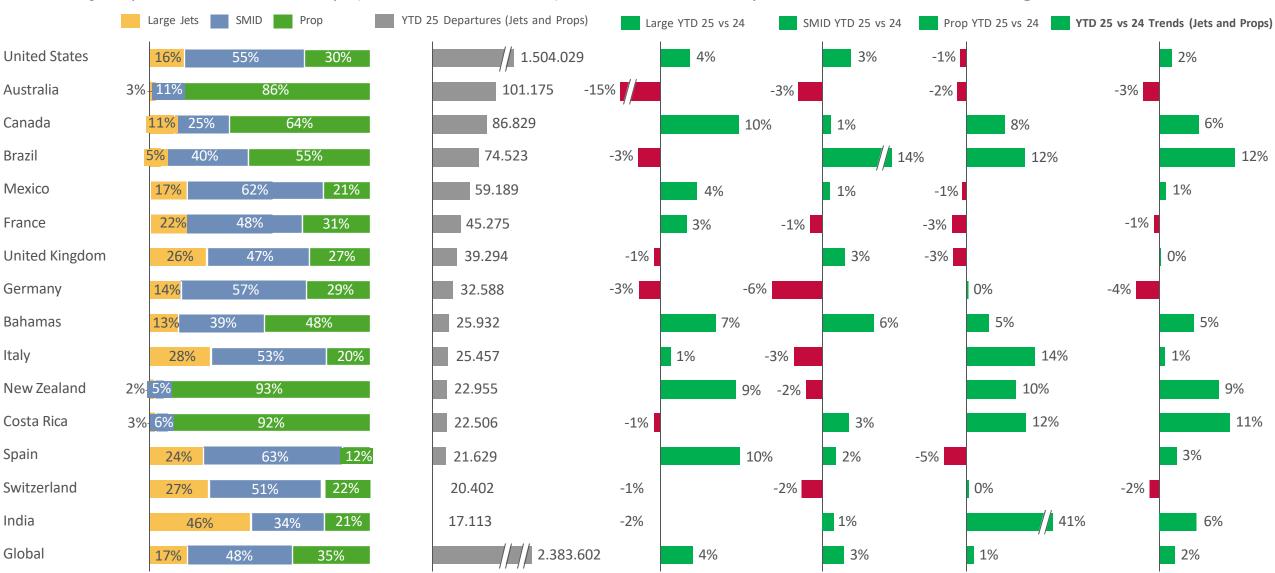
Global Business Aviation Flights Jan-May 2025 vs 2024, by region

Global business aviation flights (2.4M) slightly up YTD



Global Business Aviation Deps: Jan-May 2025 vs 2024, by Country

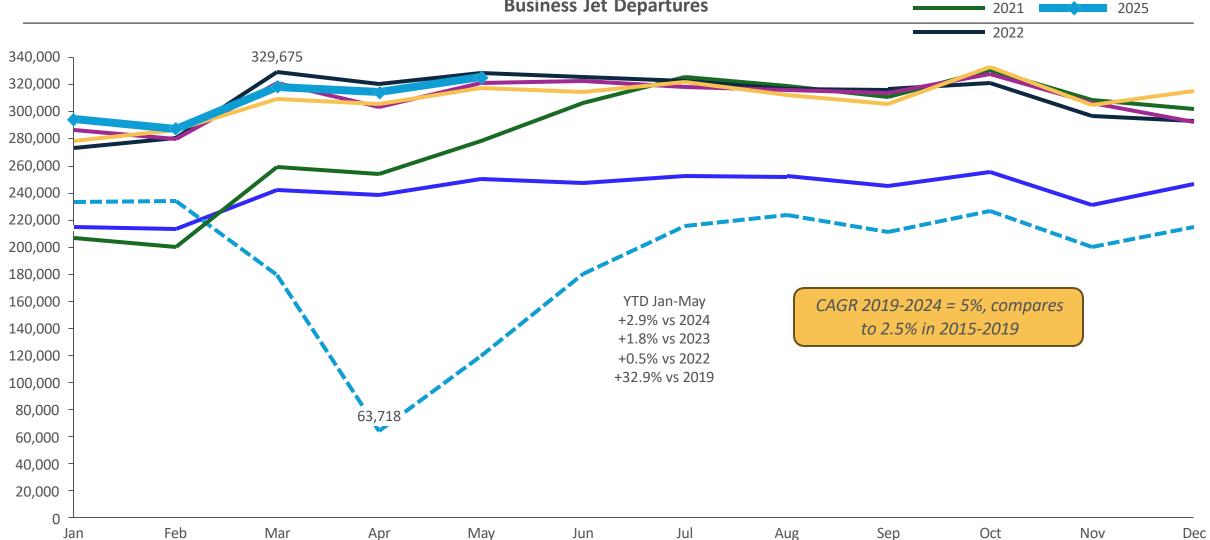
4 of top 5 markets are up (Brazil / Australia). France, UK, Italy, India stand out as large cabin markets.



Global – Comparing Business Jet Monthly Traffic in 2019-2025

Global bizjet traffic gaining 3% vs last year, 0.5% ahead of 2022 peak, well up on 2019

Business Jet Departures



2023

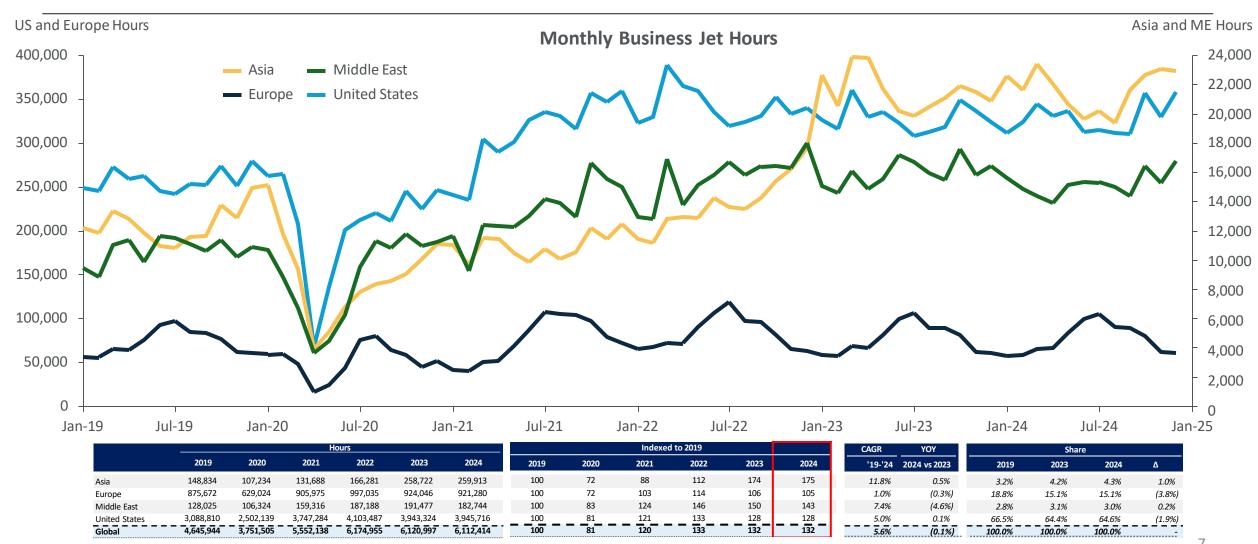
2024

2020

Bizjets only: Turboprops excluded, data through May-25 Source: WINGX: Global ATC and ADSB records

Global – Monthly Hours by Target Region

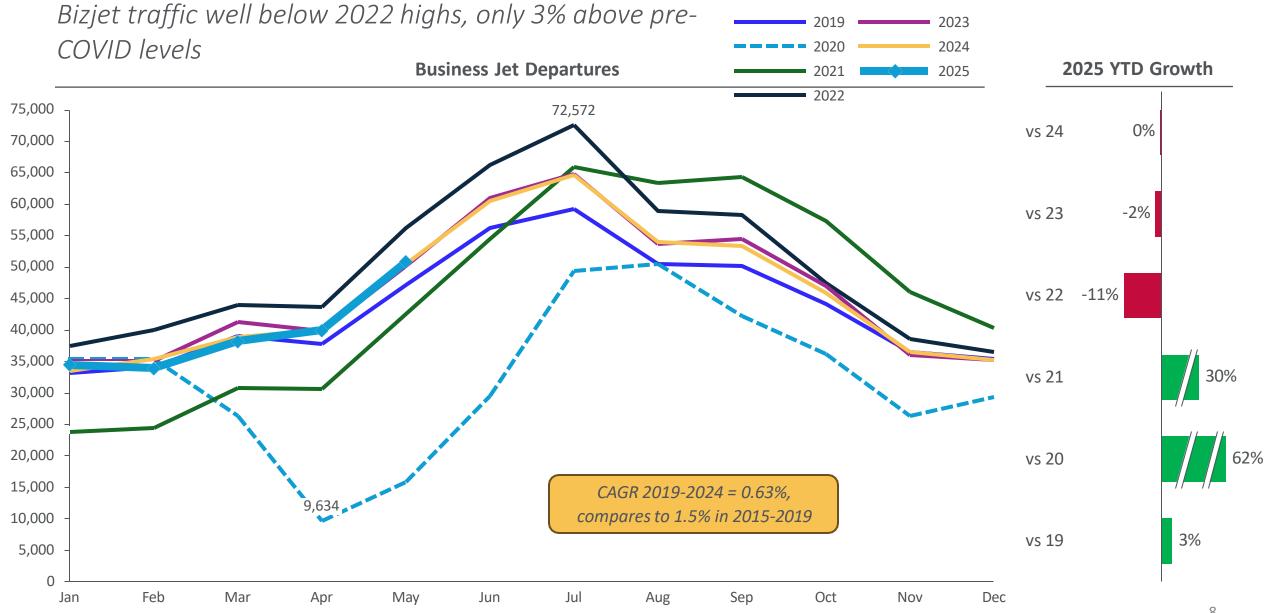
While the US remains key bizjet market, Asia and Middle East have seen strong growth in activity since pandemic



Bizjets only: Turboprops excluded

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Europe – Comparing Business Jet Monthly Traffic in 2019-2025

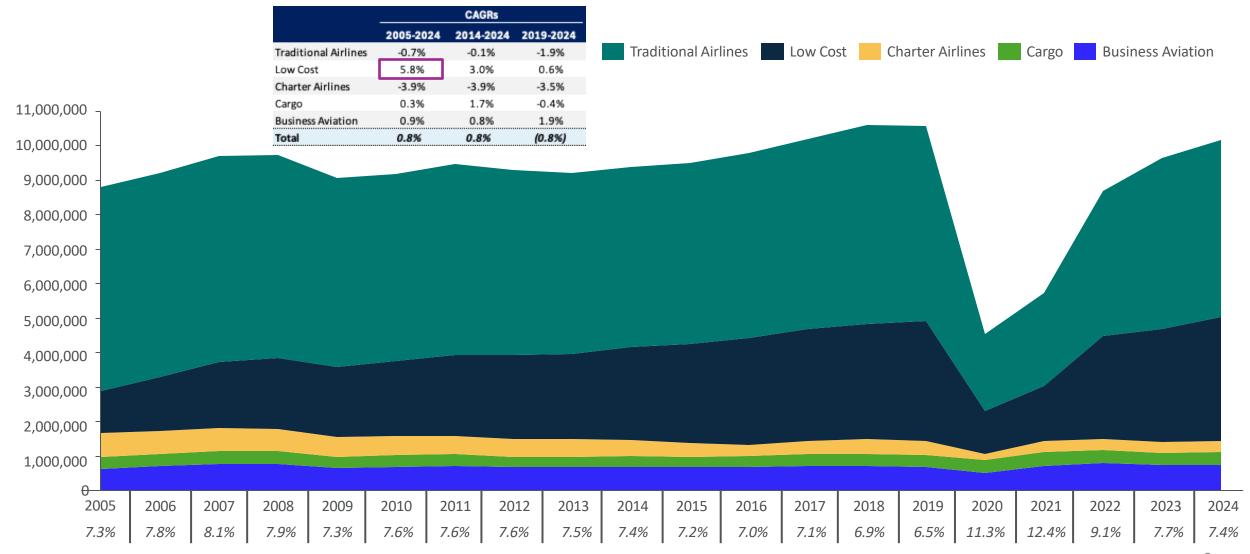


Bizjets only: Turboprops excluded, data through May-25 Source: WINGX: Global ATC and ADSB records

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Europe – 20 Years of Air Transport

Yearly Flights



Business Aviation flights % of total

9

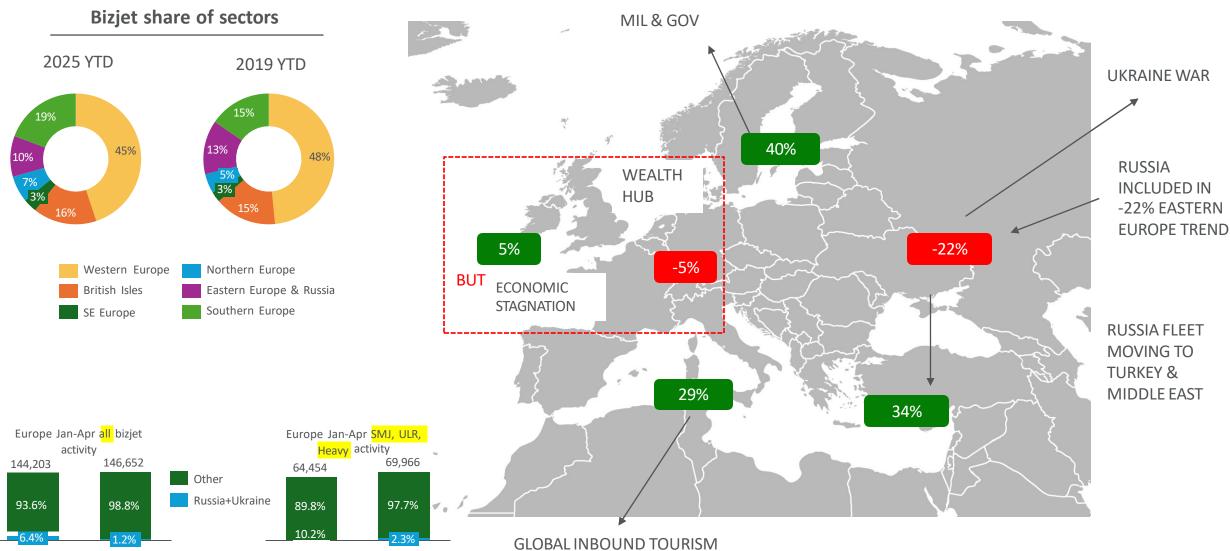
Geopolitical crisis in Europe

Regional variance and impact of Ukraine War, particularly in large cabin demand (R/U = 10% in 2019)

2025 YTD

2019 YTD





Bizjets only: Turboprops excluded, data through Apr-25 Source: WINGX: Global ATC and ADSB records

2025 YTD

2019 YTD

Bizjet activity YTD-May 25 Europe & Middle East by Country

Germany in bizjet activity recession, while top markets like Italy and Spain are well ahead of 2019 activity levels

Departure Country	Departures	, ↓ F	vs 1Y ago: Departures	Growth vs 6Y ago: Departures	Active Aircraft	Active Operators
France		31,366	0.0%	-0.6%	3,230	1,438
United Kingdom		28,550	1.4%	5.7%	3,237	1,417
Germany		23,241	-5.2%	-14.8%	2,336	1,029
Italy		20,475	-1.8%	26.8%	2,603	1,152
Spain		18,972	3.7%	33.3%	2,424	1,079
Switzerland		15,935	-2.1%	4.0%	2,292	946
Turkey		9,149	-1.2%	46.6%	1,234	592
United Arab Emirates		7,525	7.7%	129.5%	1,579	763
Austria		6,062	-3.3%	-8.9%	1,246	510
Sweden		5,876	1.6%	71.8%	716	265
Saudi Arabia		5,597	21.5%	61.9%	862	423
Netherlands		4,454	-2.8%	9.9%	1,203	480
Belgium		4,199	6.3%	15.4%	1,014	392
Greece		3,827	-3.3%	38.3%	1,087	493
Portugal		3,484	1.4%	30.1%	1,095	514

Bizjet activity YTD-May 25 Europe & Middle East by City

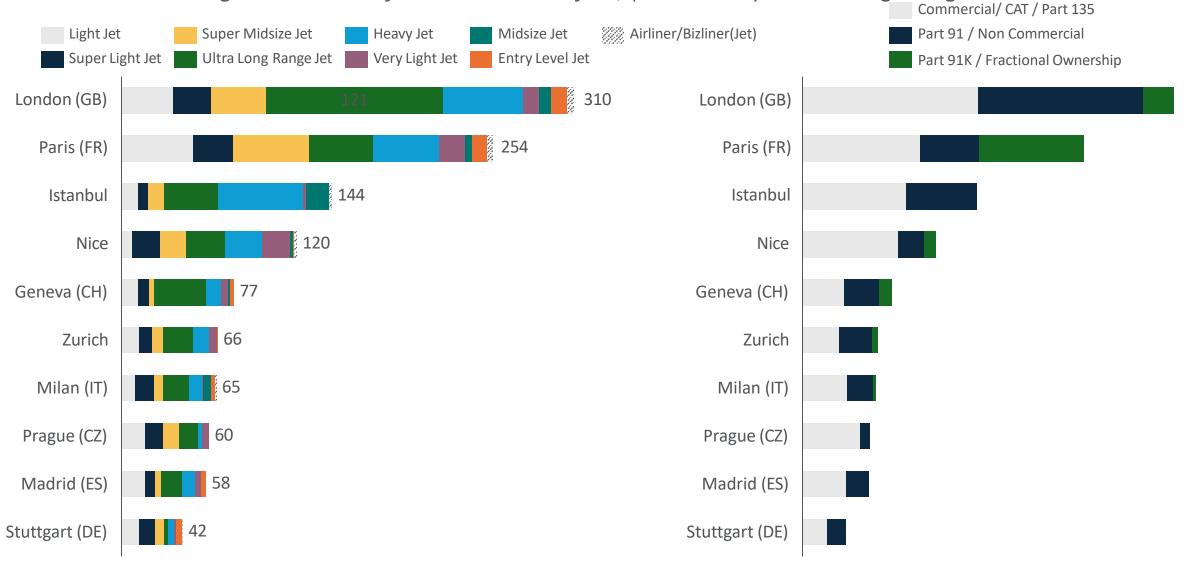
London is the key city. Bizjet traffic out of Dubai +162% since 2019, Istanbul bizjet up 85%

Departure City	Departures 🗔	vs 1Y ago: Departures	Growth vs 6Y ago: Departures	Active Aircraft	Active Operators
London (GB)	18,515	-1.3%	6.0%	2,861	1,228
Paris (FR)	9,975	1.0%	4.2%	2,211	976
Milan (IT)	6,017	-1.3%	41.5%	1,469	604
Nice	5,881	-0.5%	13.1%	1,400	532
Geneva (CH)	5,614	-3.4%	-3.9%	1,440	577
Dubai	5,248	6.0%	162.4%	1,319	655
Istanbul	4,831	4.7%	84.9%	918	441
Zurich	4,476	-6.9%	6.6%	1,350	564
Madrid (ES)	3,614	6.5%	35.0%	1,133	501
Munich	3,315	0.8%	-11.1%	1,076	462
Rome (IT)	3,277	-1.1%	28.7%	1,133	480
Riyadh	2,829	11.6%	64.3%	608	293
Mallorca	2,528	-5.8%	50.7%	805	305
Amsterdam (NL)	2,390	-4.5%	14.0%	884	337
Barcelona (ES)	2,388	3.8%	26.5%	960	398

Departure City	The state of the s		Growth vs 6Y ago: Departures		Active Operators	
Moscow (RU)	1,417	-1.5%	-77.8%	173	7	8

Top business jet homebase cities in Europe (2024)

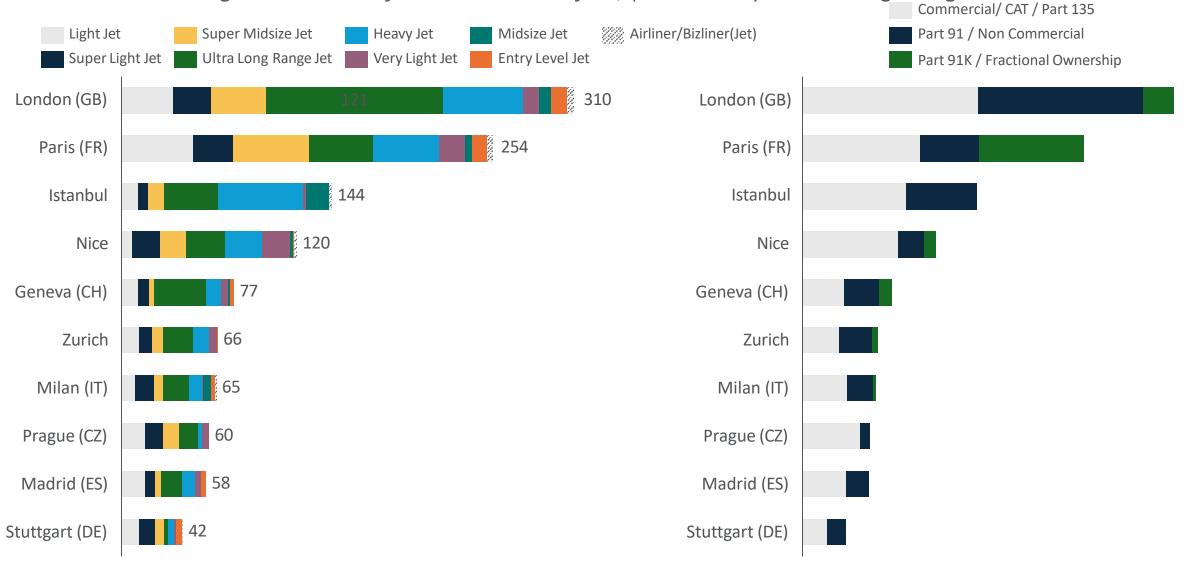
UK also has the largest number of homebased bizjets, particularly Ultra Long Range



Bizjets only: Turboprops excluded; data through Dec-24 Source: WINGX: Global ATC and ADSB records

Top business jet homebase cities in Europe (2024)

UK also has the largest number of homebased bizjets, particularly Ultra Long Range



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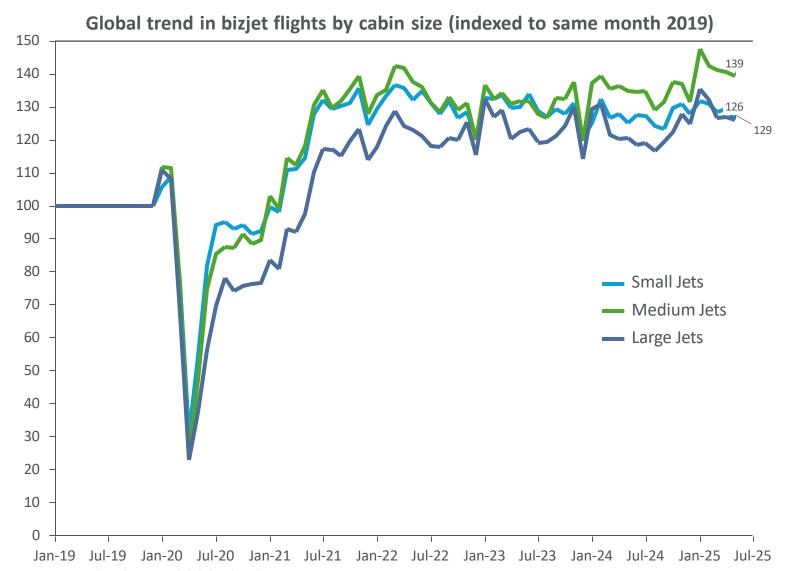


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Business Jet activity by cabin size & region

All segments well up on 2019. Small jet activity trending down in Europe year



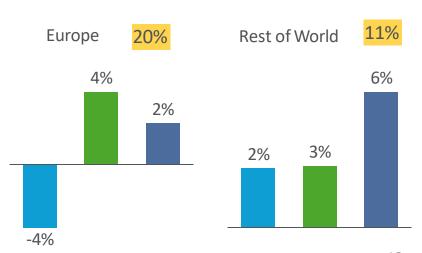
May-YTD 25 vs 24 cabin size flight trends by region

Global North America 69%

4% 4% 4% 4%

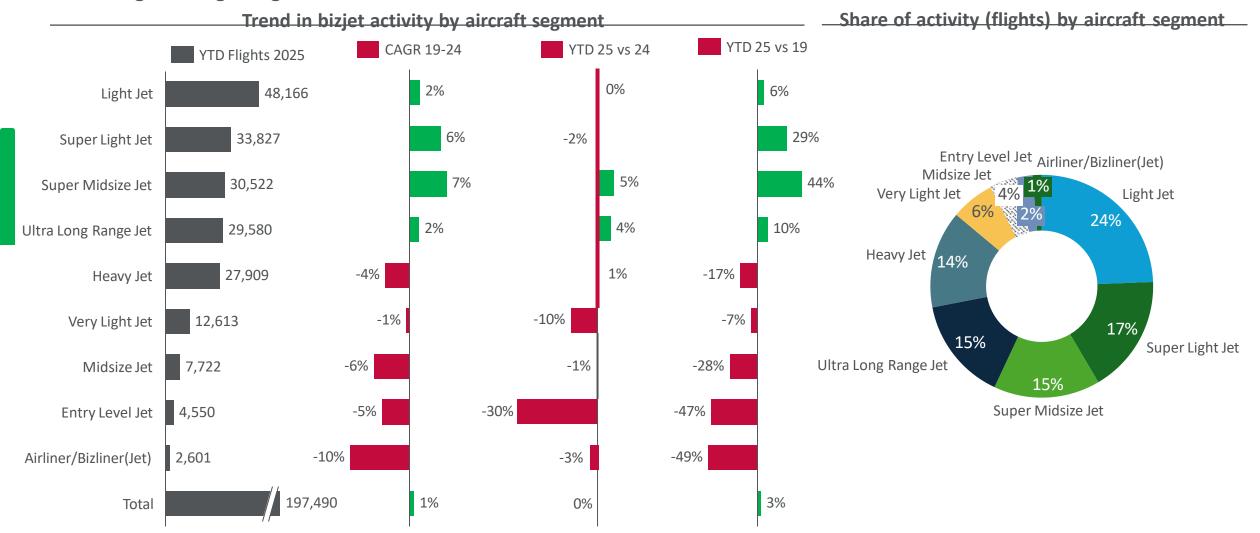
3%

2%



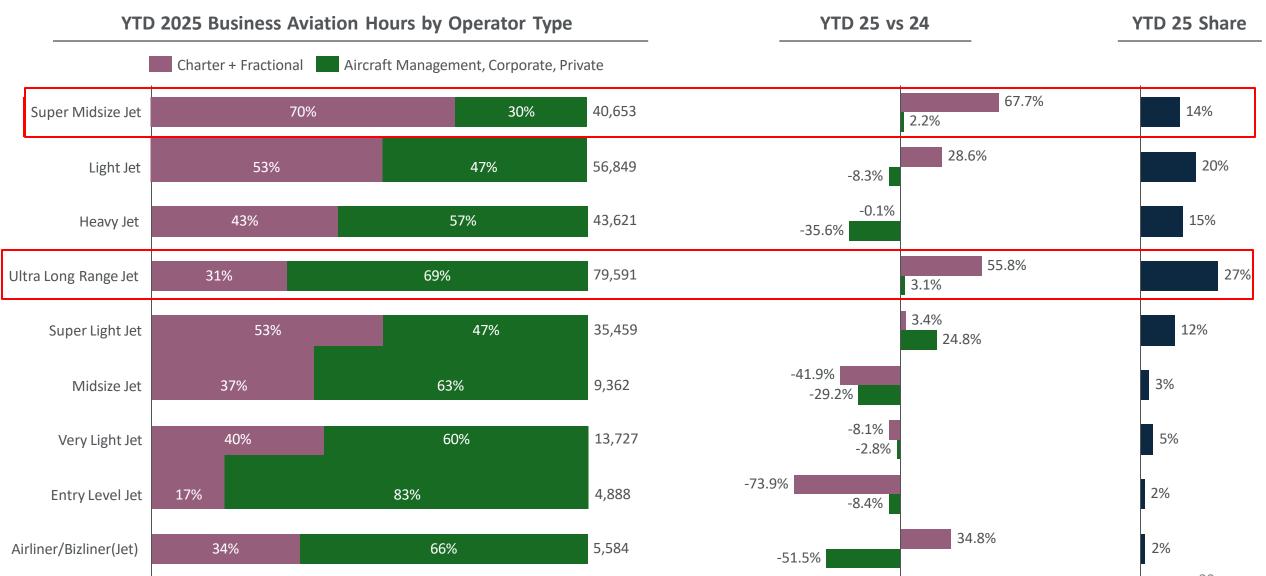
Europe – Bizjet Segment Activity

Light Jets are key segment in 2025, while Super Light, Super Midsize, and Ultra Long Range are showing strongest growth since 2019



Europe – <u>Charter + Fractional</u> by Segment – Shares

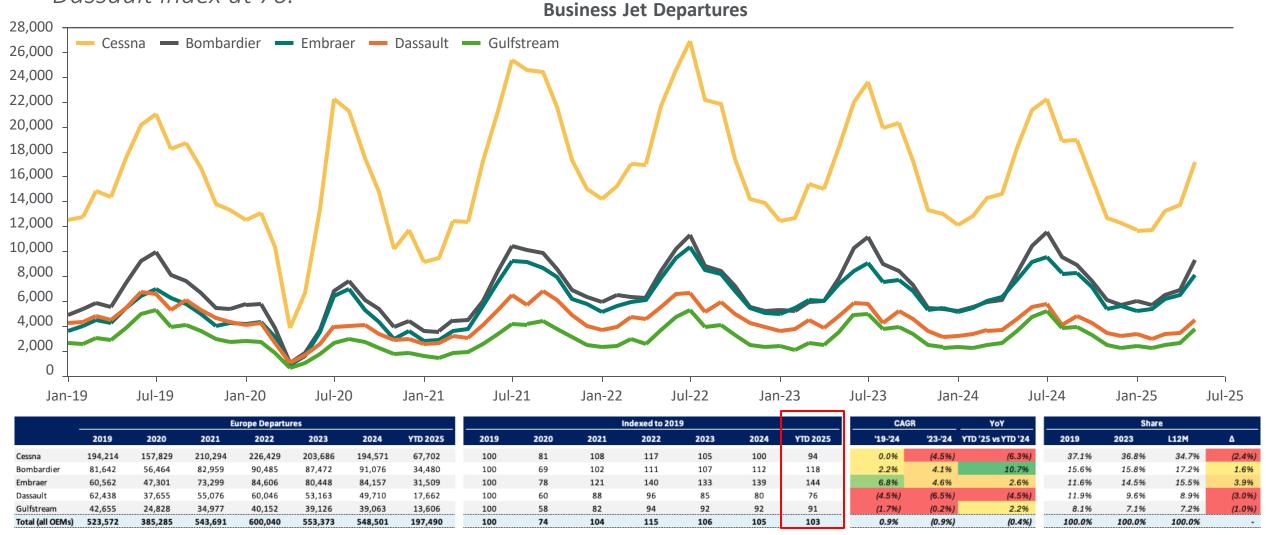
Super Midsize is the key segment, ULR also growing fast



Bizjets only: Turboprops excluded, data through May-25 Source: WINGX: Global ATC and ADSB records 20

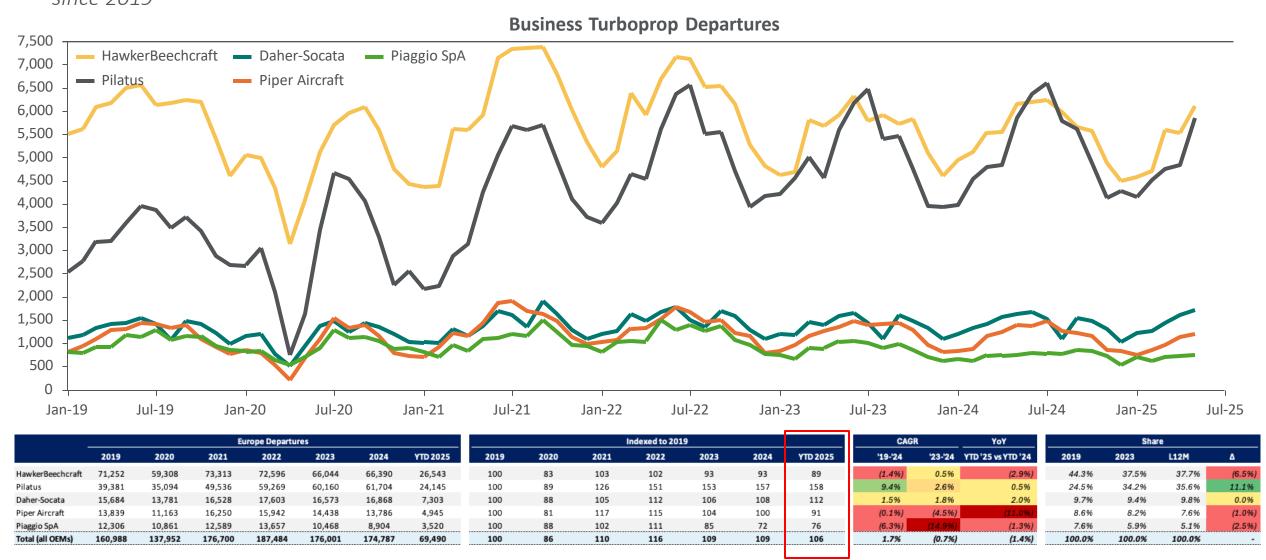
Europe - Top Bizjet Manufacturers fleet activity

Top 5 OEMs make up 84% of L12M flying in Europe. Growth for Bombardier & Embraer. Dassault index at 76.



Europe – top Busiest Turboprop Manufacturers

Pilatus top performer amongst TP manufacturers in Europe, 9% 2019-2024 CAGR, gaining 11% market share of TP flying since 2019



Turboprops only: Bizjets excluded, data through May-25 Source: WINGX: Global ATC and ADSB records

Europe – Bizjet Type focus YTD-May 25

Citation Excel narrowly beating the Phenom 300 as most active bizjet in Europe YTD, but down 7.5% vs 2024, while also less active vs 2019 YTD. Watching demand as new platforms come in (ie G700, etc.)

Aircraft Type	Departures	vs 1Y ago: Departures	Growth vs 6Y ago: Departures	Active Aircraft	vs 1Y ago: Tails	Growth vs 6Y ago: Tails
Cessna-Citation Excel / XLS	17,641	-7.5%	-11.8%	163	-1.8%	-9.4%
Embraer-Phenom 300	17,161	3.6%	73.4%	133	-5.0%	37.1%
Bombardier-Challenger 300 / 350	10,827	12.4%	41.5%	182	6.4%	15.9%
Pilatus PC-24	10,815	11.6%	1,315.6%	109	6.9%	289.3%
Cessna-Citation Latitude	9,407	-1.2%	124.4%	= 75	5.6%	114.3%
Bombardier-Global Express/6000/6500	8,191	7.0%	-11.0%	522	1.6%	11.3%
Cessna-Citation CJ2	8,109	0.4%	-10.7%	■ 89	-13.6%	-23.9%
Bombardier-Challenger 600/601/604/605/650	7,565	14.5%	-2.3%	301	0.0%	-9.3%
Cessna-Citation Mustang	7,082	-8.8%	-14.7%	95	-8.7%	-18.8%
Dassault-Falcon 2000	6,664	-13.5%	-25.5%	181	-1.6%	-21.3%
Embraer-Legacy 600 / 650	5,994	-2.0%	-9.2%	144	0.0%	-6.5%
Embraer-Legacy 500 / Praetor 600	5,601	22.0%	519.6%	■ 86	30.3%	273.9%
Gulfstream-G600/650	5,233	2.1%	56.6%	553	9.9%	102.6%
Cessna-Citation CJ1 / CitationJet / 525	4,497	-29.7%	-47.0%	97	-22.4%	-37.4%
Gulfstream-GV/500/550	4,338	-1.3%	-17.9%	509	-5.7%	-1.0%

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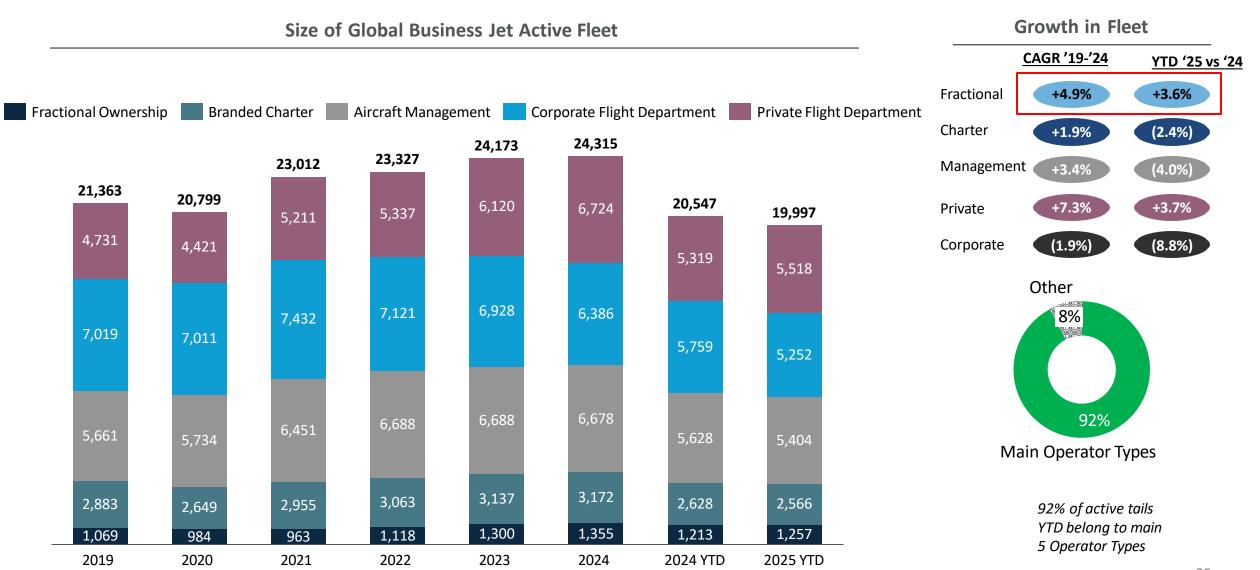


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Operator Type: growth in active bizjet fleet since Covid

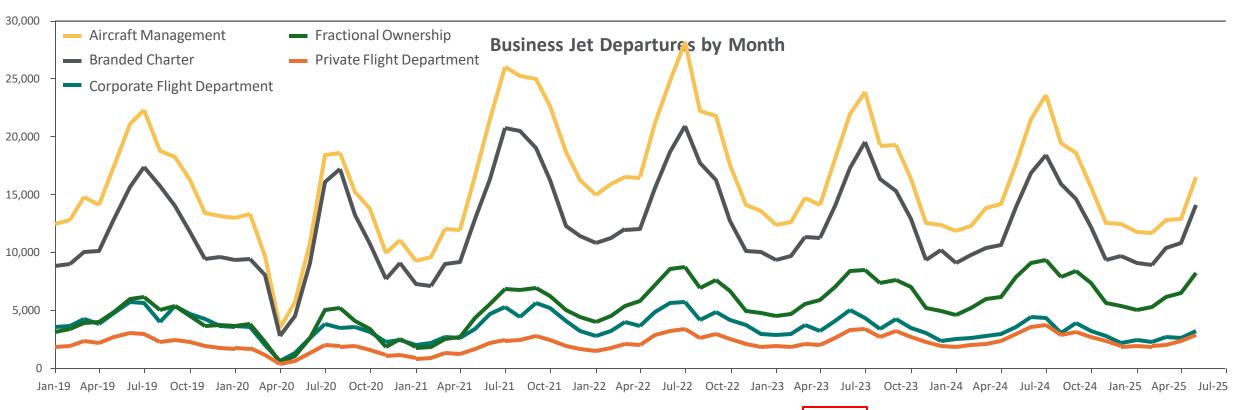
Shift to Fractional: upgrade from charter; shift from corporate; industry newcomers; long lead times



Bizjets only: Turboprops excluded, data through May-25 Source: WINGX: Global ATC and ADSB records

Europe – Activity by Operator Type

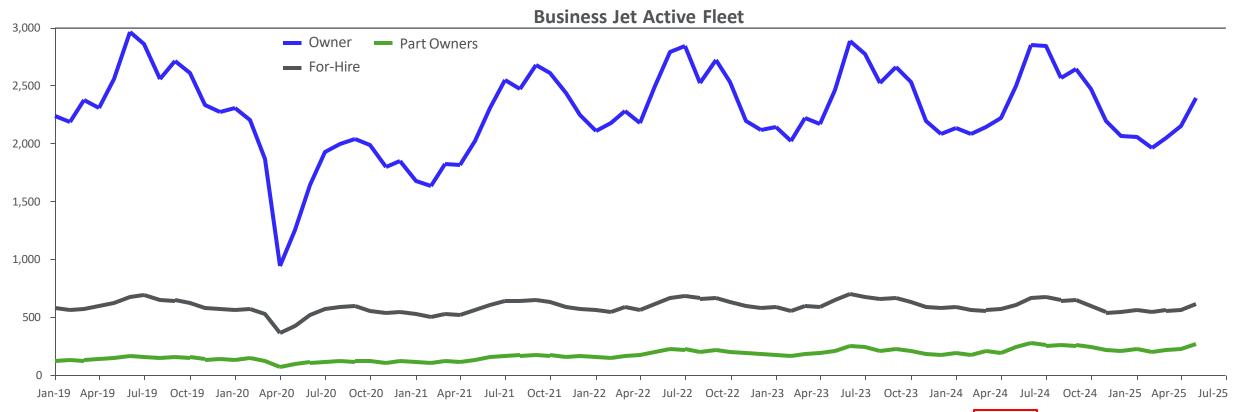
In Europe, significantly weaker corporate activity vs 2019. Weak growth in Charter, very strong in Fractional



	Europe Departures Indexed to 2019						CAG	R	YoY		Sha	re									
	2019	2020	2021	2022	2023	2024	YTD 2025	2019	2020	2021	2022	2023	2024	YTD 2025	'19-'24	'23-'24	YTD '25 vs YTD '24	2019	2023	L12M	Δ
Aircraft Management	194,926	143,111	214,821	227,421	197,580	193,801	65,641	100	73	110	117	101	99	92	(0.1%)	(1.9%)	(6.1%)	37.2%	35.7%	34.6%	(2.6%)
Branded Charter	144,315	117,224	162,080	168,032	156,691	150,869	53,293	100	81	112	116	109	105	105	0.9%	(3.7%)	(0.9%)	27.6%	28.3%	27.5%	(0.1%)
Corporate Flight Department	53,355	32,369	45,153	49,709	42,574	38,097	13,125	100	61	85	93	80	71	65	(6.5%)	(10.5%)	(8.6%)	10.2%	7.7%	6.7%	(3.5%)
Fractional Ownership	53,395	35,766	55,010	75,038	76,602	82,793	31,111	100	67	103	141	143	155	162	9.2%	8.1%	4.3%	10.2%	13.8%	15.4%	5.2%
Private Flight Department	27,473	16,494	21,630	28,627	29,848	31,448	11,050	100	60	79	104	109	114	101	2.7%	5.4%	(1.7%)	5.2%	5.4%	5.7%	0.5%
Total (all OTs)	523,572	385,285	543,691	600,040	553,373	548,501	197,490	100	74	104	115	106	105	103	0.9%	(0.9%)	(0.4%)	100.0%	100.0%	100.0%	-

Europe – Active Fleet by full/part owner vs for-hire

Owners still bulk of market in Europe, but part-owners (Fractional) clearly seeing strongest growth



		Europe Active Fleet									
	2019	2020	2021	2022	2023	2024	YTD 2025				
Owner	5,137	3,927	4,606	5,447	5,299	5,308	3,641				
For-Hire	989	862	980	1,044	1,044	993	775				
Part Owners	242	214	266	335	377	429	343				
Total (all OTs)	7,250	5,716	6,624	7,728	7,582	7,647	5,641				

	Indexed to 2019									
2019	2020	2021	2022	2023	2024	YTD 2025				
100	76	90	106	103	103	96				
100	87	99	106	106	100	97				
100	88	110	138	156	177	179				
100	79	91	107	105	105	105				

CAG	R	YoY
'19-'24	'23-'24	YTD '25 vs YTD '24
0.7%	0.2%	(4.2%)
0.1%	(4.9%)	(1.3%)
12.1%	13.8%	9.6%
1.1%	0.9%	1.3%

Owner: AC Mgmt, Private, Corporate For-Hire: Branded Charter

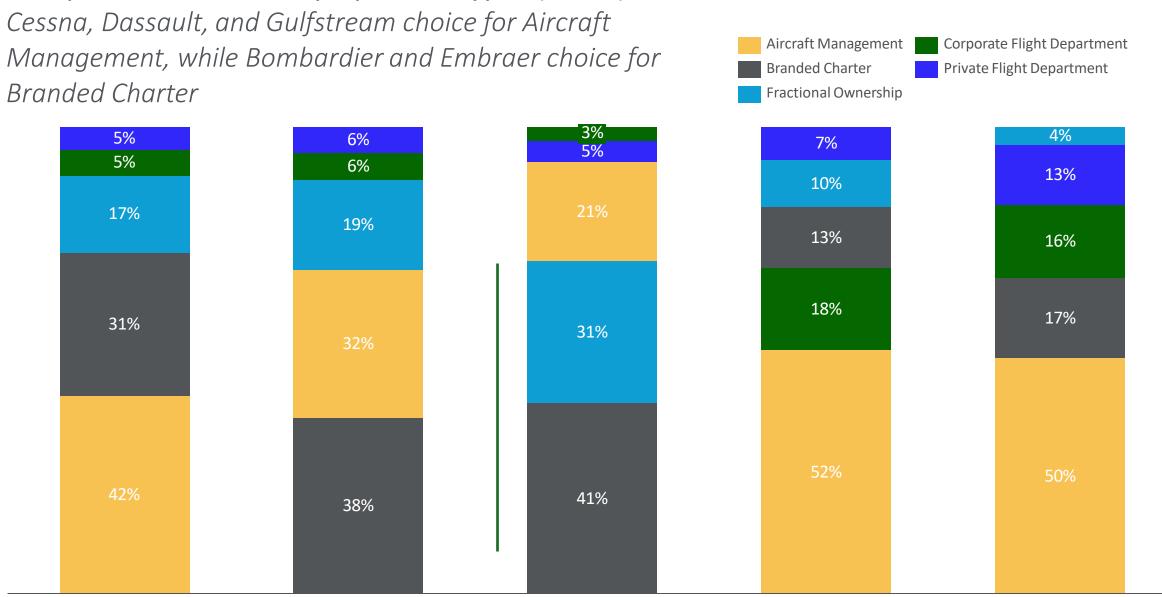
Part Ownership: Fractional

Bizjets only: **Turboprops excluded**, data through May-25

Source: WINGX: Global ATC and ADSR records

Europe – OEMs Flown by Operator Types (L12M)

Bombardier



Embraer

Gulfstream

Dassault

Cessna

Europe – Aircraft Segments Flown By Operator Type (L12M)

Branded Charter

Note the large share of SMJ in Fractional, ULR in corporate, LJ in management, charter, and private Light Jet Heavy Jet Super Light Jet Very Light Jet Midsize Jet Super Midsize Jet Ultra Long Range Jet 3% 4% 4% 6% 9% 5% 6% 9% 7% 9% 9% 10% 7% 9% 16% 11% 14% 20% 16% 16% 19% 19% 16% 22% 17% 23% 21% 39% 30%

Fractional Ownership

Corporate Flight Department

27

Private Flight Department

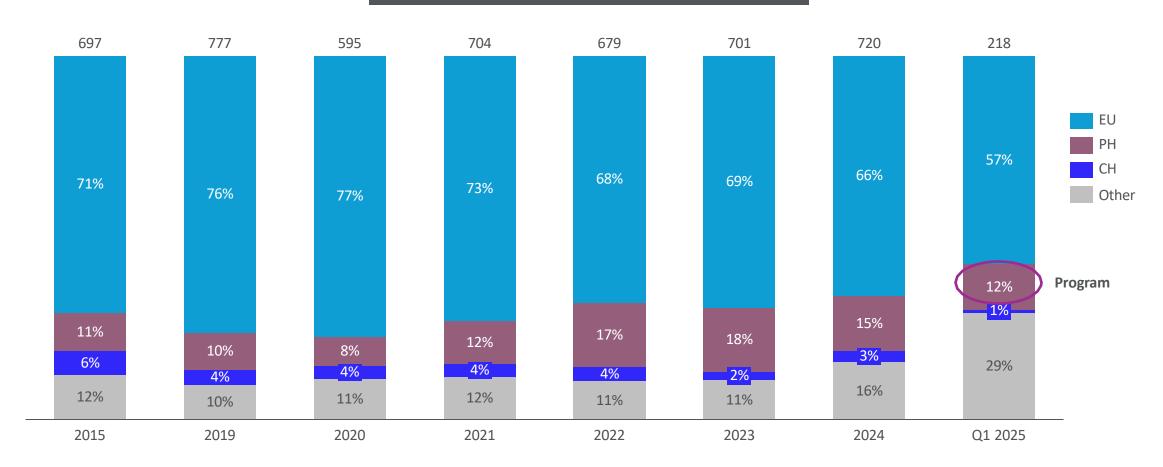
Aircraft Management

Global deliveries by Recipient type



Program Holders have taken increasing share of deliveries, may now be slowing down?

Global, business jet deliveries by recipient, 2015-2025



EU = End User (JETNET) = Private and Corporate Flight Department (WINGX)

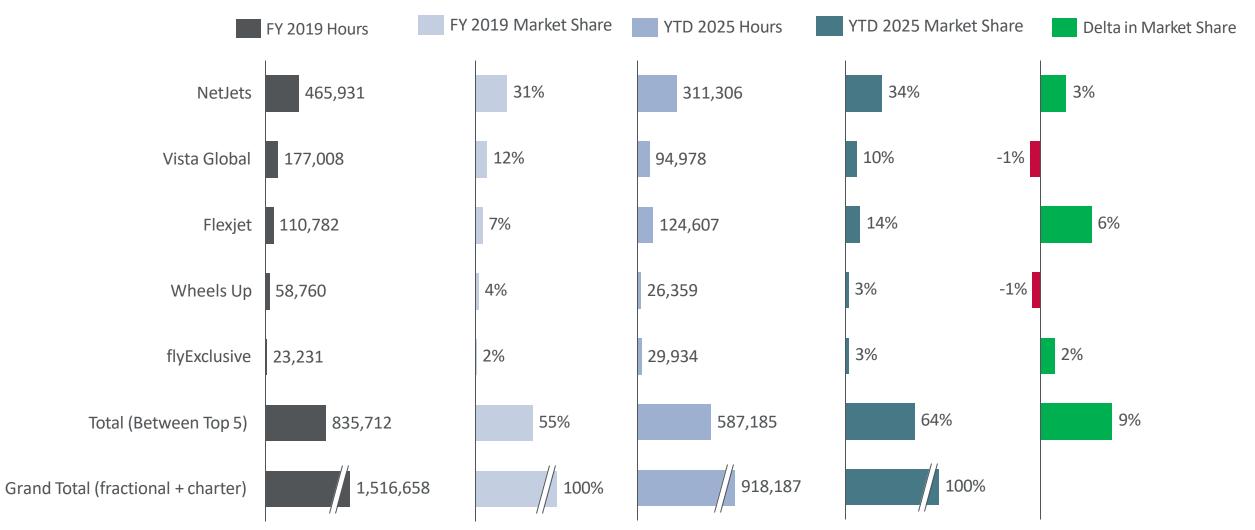
CH = Charter Company (JETNET) = Branded Charter (WINGX), may include Aircraft Management (WINGX)

PH = Program Holder = Fractional

Other (JETNET) = Government, Military, Ambulance, may include Aircraft Management (WINGX)

Competing carriers: change in **global** share of fractional and charter market

In the last 6 years the leading commercial operators have increased share of hours from 55% to 64% of hours

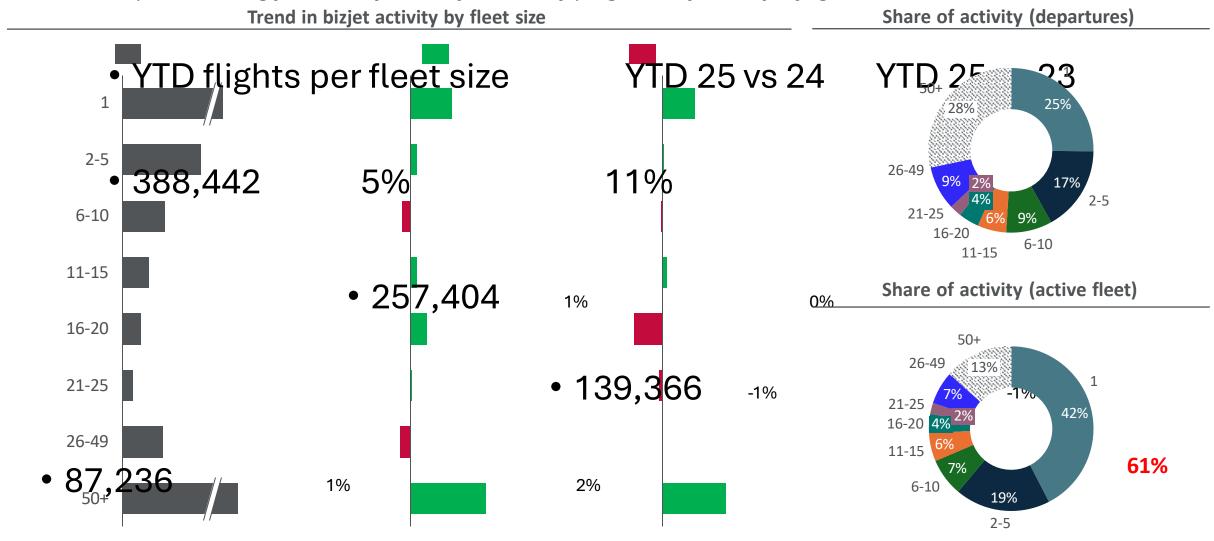


Global – leading fleet operators flying a lot more

20%

Note solid growth in single tails, largest fleet operators seeing strongest growth. Emphasis on fleets with 50+ tails only accounting for 13% of active fleet, but flying 28% of all bizjet flight hours





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Big picture Headwinds and Tailwinds in next 12M

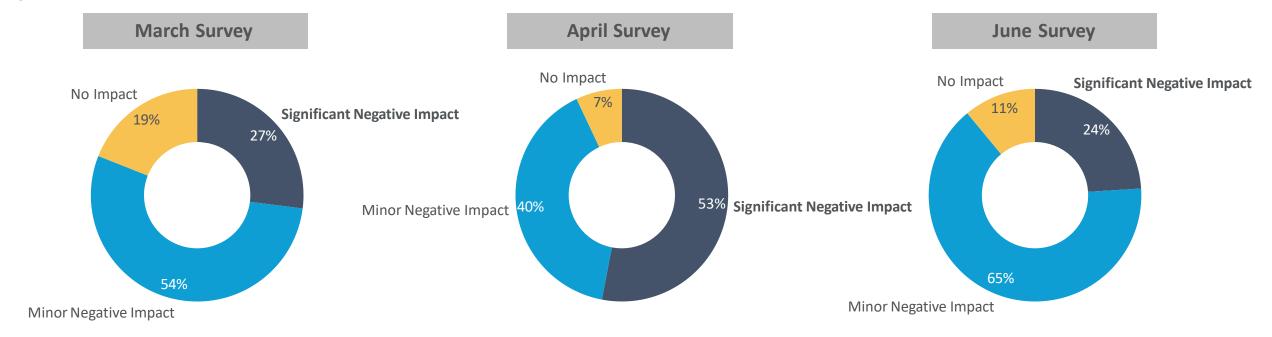
Industry trends positive, macro negative...uncertainty across industry, trade, macro, geopolitical

Key Factors	Trends & Insights last 2-3Y	Next 12M outlook	Significance	Direction
Customer Behavioural factors	The industry has retained bizav newcomers attracted by convenience & protection during Covid pandemic.	Some erosion (cost, also <health (security,="" bizav.<="" but="" concern),="" cyber)="" elevated="" increase="" influx="" likely="" newcomers="" of="" other="" risks="" td="" to=""><td>Newcomers</td><td></td></health>	Newcomers	
Macro stability & Economic growth	Black Swan events – Pandemic, Ukraine, Gaza – have raised geo- political risks and destabilized economic conditions.	Unpredictable and volatile, with tariffs symptomatic of broader geopolitical realignment, slower growth or recession likely.	Interest rates	>
Airline services	Slow and partial recovery in airline services & connectivity was key factor in bringing new users to bizav since pandemic.	Airline rebuild is cautious and will not restore reach and consistency, provides opportunity for provision of non-scheduled options.	premium cabin	
Ultra Wealth Creation	Pandemic period accelerated 10Y phase of wealth creation, abetted by easy money, emerging markets and strong equity markets.	Equity market corrections directly impacting bizjet demand, QE era over, inflation concerns, although Al could renew growth	Stock market	
Regulation, Taxes, and Optics	Bizav recovered from post-GFC toxic image during pandemic but then exposed to accentuating climate critique.	At least in the US, favourable Trump treatment may relieve climate optics. But corporate ownership getting more toxic.	Luxury taxes	>
Supply chains	Double whammy from lockdowns then Ukraine war, raising costs and complexity across aircraft production, ops and MRO.	Trump tariffs significantly deepen supply chain challenges, may reorder in long term but short term lots of disruption & cost.	Operating costs	32

Impact on Tariffs on New Aircraft Demand

"Do you think the potential for much higher global tariffs will negatively impact new aircraft demand?"

BARCLAYS



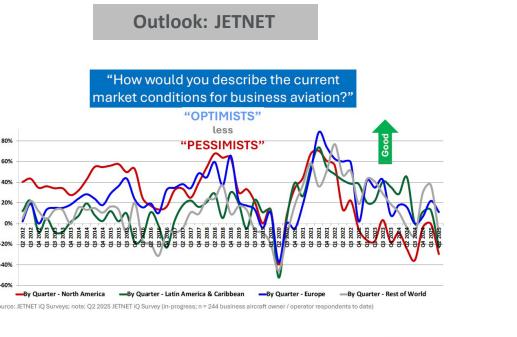


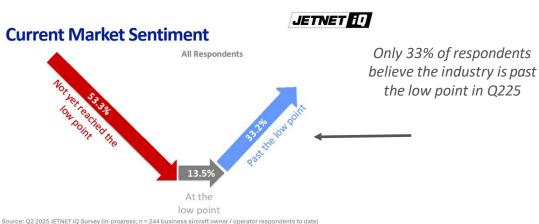
- Jet transactions rose to 620 in Q1 2025, up from 454 in 2024
- Large jets led growth with 173 units, followed by mid-size at 159 and light jets at 288.
- Average asking price for jets fell to \$6.86M, down from \$7.28M in 2024.
- Large jet prices rose to \$13.04M, mid-size dropped to \$7.02M, and light jets increased to \$3.88M.
- Average DOM increased from 174.75 in 2024 to 259.78 in 2025 (48% increase)
- Median DOM also rose, from 120.5 to 148
- Average year of mid-size jets sold in Q125 was 2005 vs 2022 in Q124

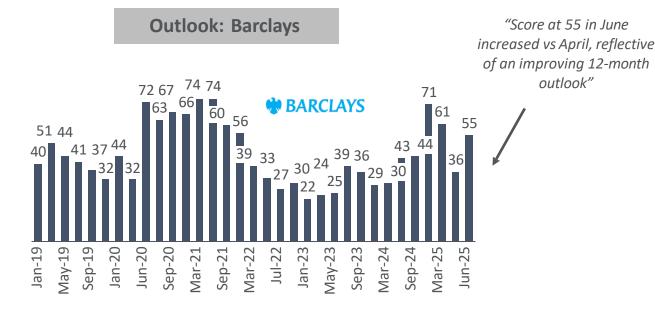
Source: Barclays Research

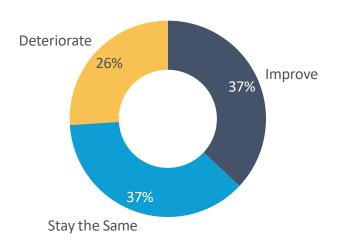
H1 2025 economic wobbles – impact on Sentiment Surveys (Barclays and JETNET)

"Over the next 12 months, do you expect overall business conditions to improve, stay the same or deteriorate?"





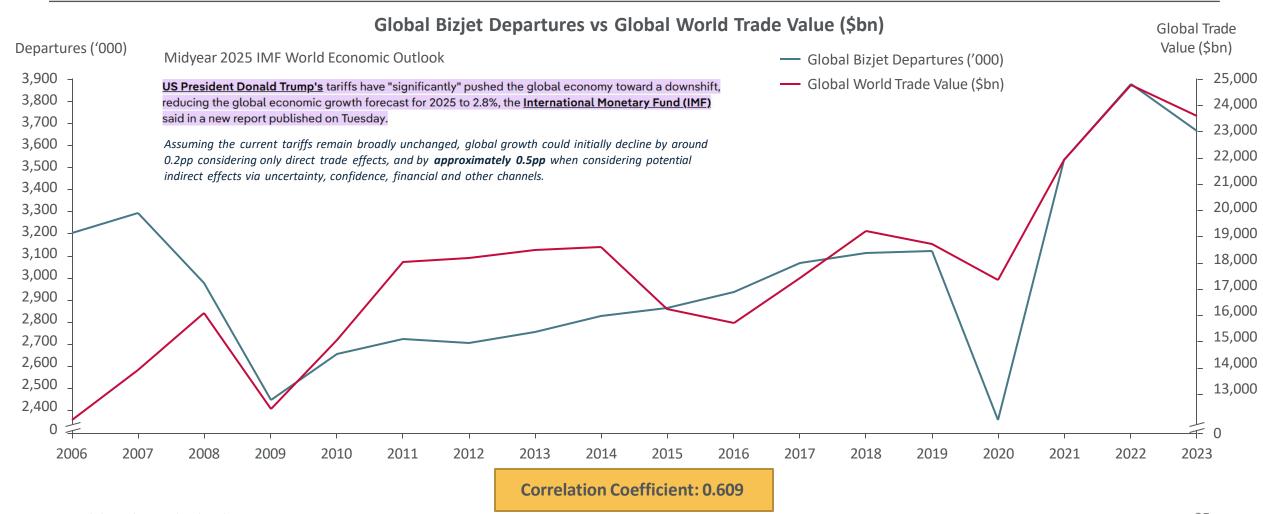




Source: Barclays Research

Historic correlation: World Trade Value vs Bizjet Activity

Global trade has slowed since 2010 vs previous decades. Ups and downs broadly correlating to bizjet activity.

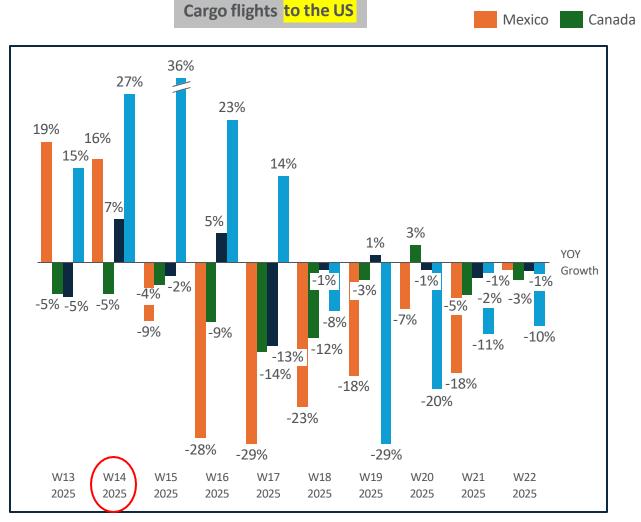


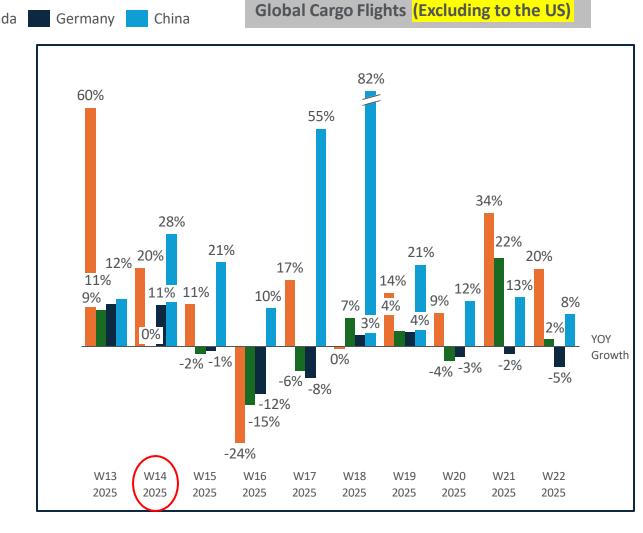
Note: Excluding Turboprops, data through 2023

Source: WINGX, Global ATC and ADSB records, World Trade Organization

Headwinds from tariffs – more evident in Cargo but not straightforward

Outbound cargo departures weekly YOY trend



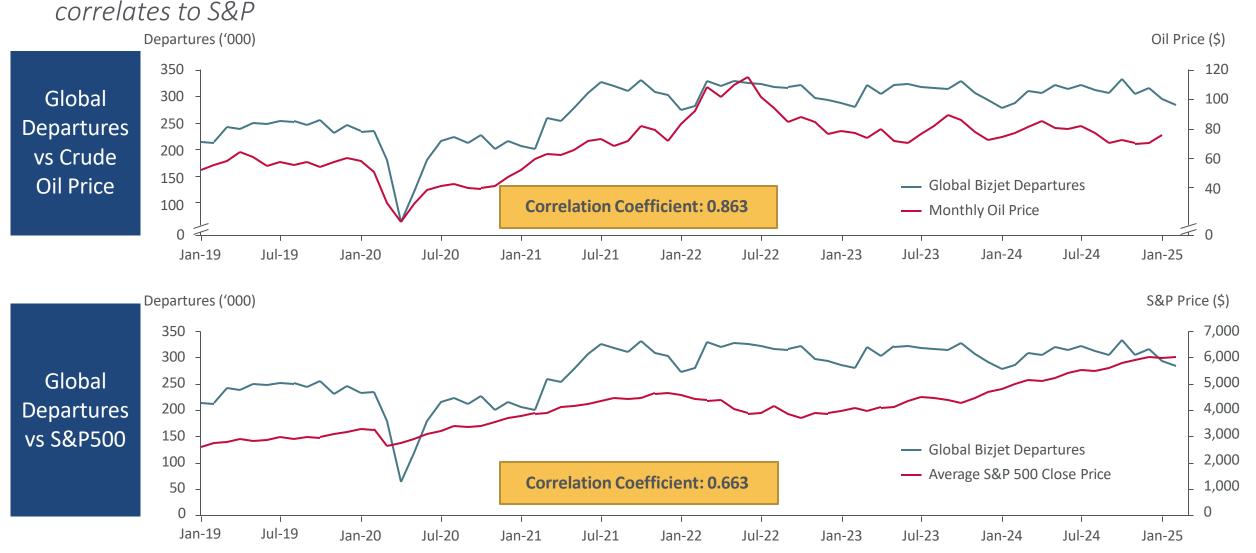


Liberation Day

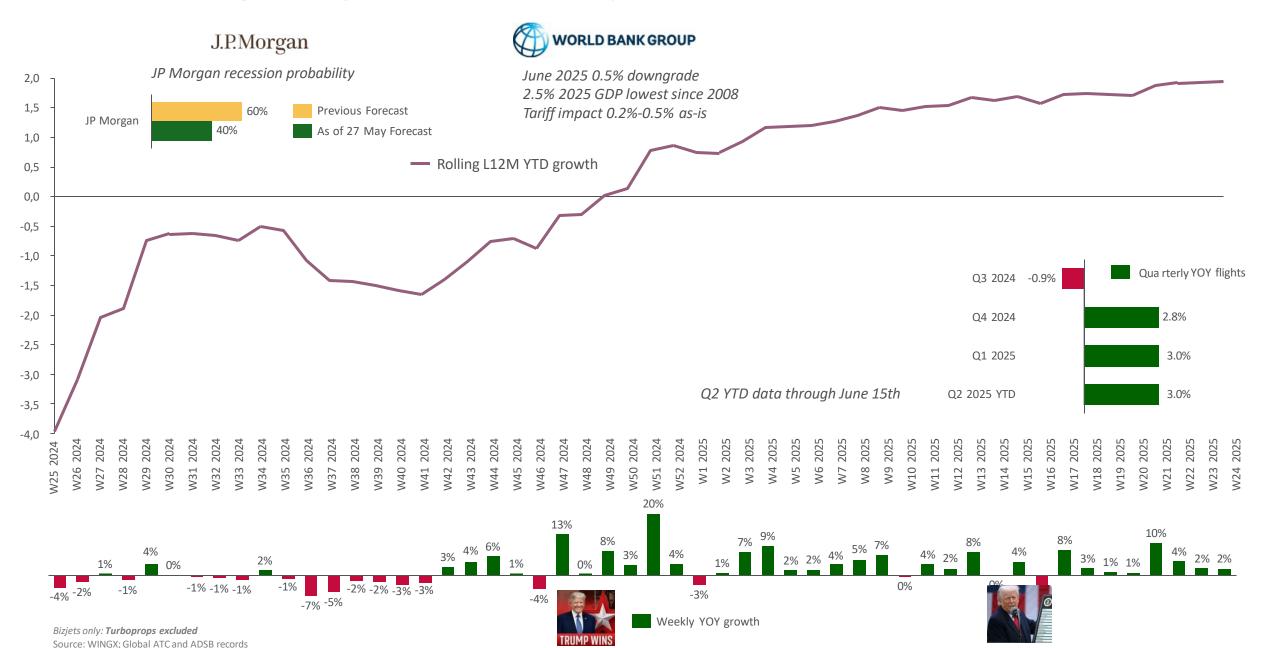
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Broader concern is instability - Crude Oil Price and S&P 500 correlations

Strong positive correlation to oil price (energy companies benefit?). As with DJ, bizjet activity

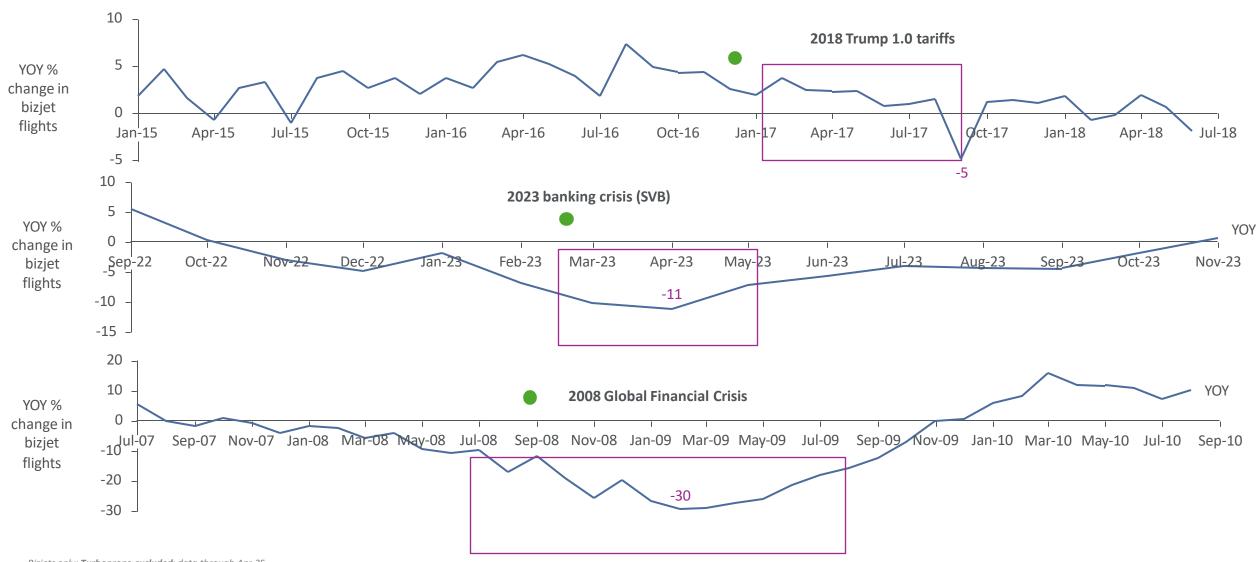


Actual change in bizjet traffic so far this year...little to see



Demand sustainability: lagged effect of previous exogenous shocks on US bizjet





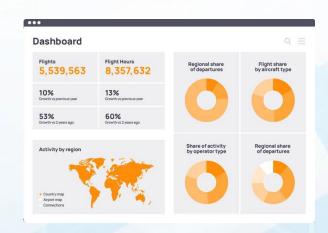
Bizjets only: Turboprops excluded; data through Apr-25 Charter = AOC flights (also Part 135) Source: WINGX; Global ATC and ADSB records





WINGX Advance GmbH Lilienstrasse 11 20095 Hamburg Germany

office@wingx-advance.com www.wingx-advance.com





Request a demo of WINGX dashboards.

Presented by:
Richard Koe, Managing Director of WINGX



Rise In Fractional Ownership



Presented by:



CEO, BBGA



Jonathan Clough

UK Director, Jetfly





Coffee & Pastries Break 10:15-10:45



Please make your way to the sidebars flanking the main hall.





What Does the Gold Standard In Business Aviation Look Like?





Presented by:



Head of Client Delivery, Gama Aviation



Partner, The Air Law Firm



Director of
Civil Aviation,
IOM Aircraft Registry



VP EU & Africa, Leviate Air Group



Managing Director, ACASS Ireland



Risk Management, Market Trends & Political Landscape





Presented by:



Bruce Norfolk

Co-founder & CCO,
Osprey Flight Solutions



James Moreton

Client Executive Director,
Gallagher Speciality



Melanie Daglish

Director of Aviation, ITIC





• A world leading risk adviser to the global Aerospace industry.



>400

AVIATION INSURANCE SPECIALISTS GLOBALLY

PLACING

>\$1.6BN

IN AEROSPACE PREMIUMS
ANNUALLY

>6,000

>30
sectors, from airlines and airports, to ground handlers, refuellers, manufacturers and satellite

operators

CLIENTS OPERATING IN



>\$2.5bn
IN COMBINED CLAIMS HANDLED DURING THE PAST 5 YEARS

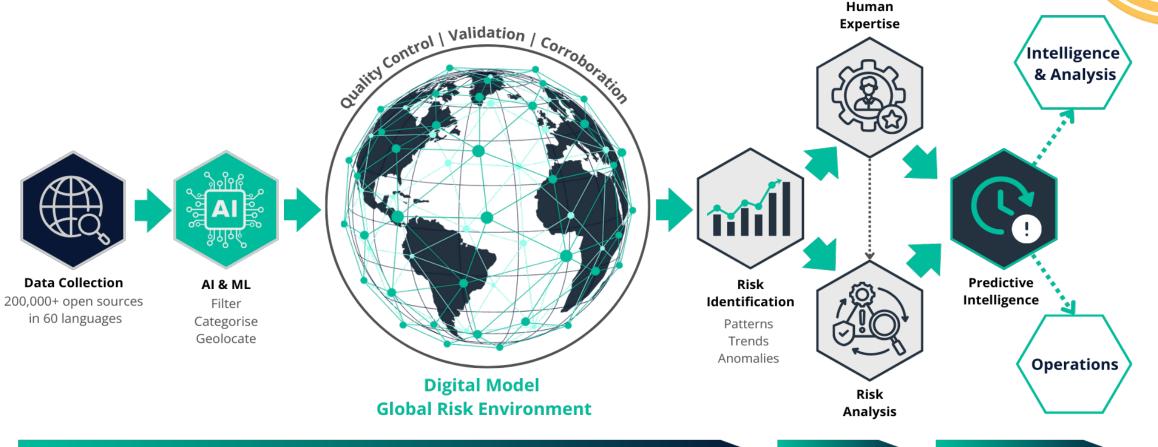
>98%
CLIENT RETENTION RATE



The Next Generation of Risk Intelligence

Osprey was established to enable safer and more secure aviation. We do this by transforming aviation risk management through data, technology, expertise and innovation.











- ITIC is a leading provider of professional indemnity insurance to aviation and aircraft industry professionals in every specialist field of the industry.
- ITIC offers detailed insight into the risk environment in which these professions operate. This comes from years of first-hand experience; often helping clients to identify problems before they become issues



1925 - 2024



Managed by Thomas Miller & Co Ltd

\$75m

Gross annual premium



Developing a Risk Management System

The "Best in class" / Gold Standard risk management systems are constantly developing, to identify, assess and manage risks pro-actively and post-incidents

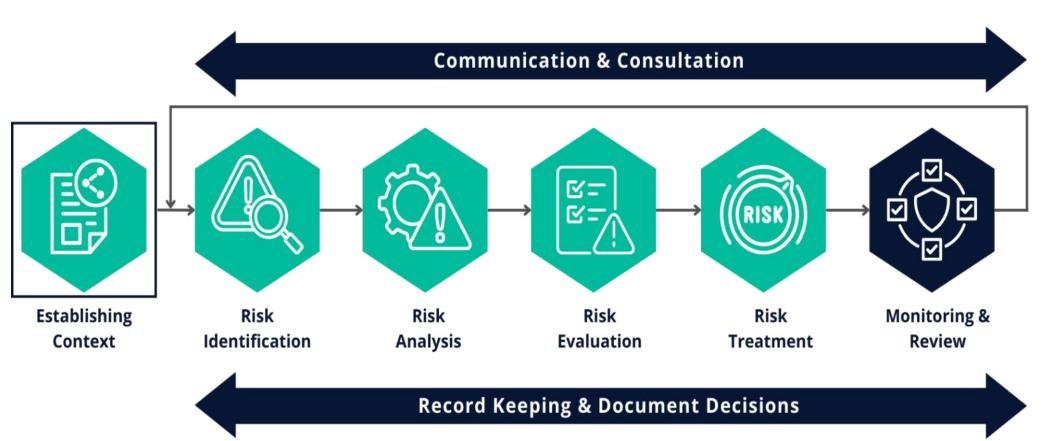


Mitigation strategies include:

- Risk avoidance: Changing plans or processes to eliminate the risk.
- Risk reduction: Implementing measures to reduce the likelihood or impact of the risk (e.g., process improvements, preventive maintenance)
- Risk transfer: Sharing the risk with a third party (e.g., insurance, outsourcing)
- Risk acceptance: Acknowledging the risk and deciding to take no further action if it is within acceptable limits.

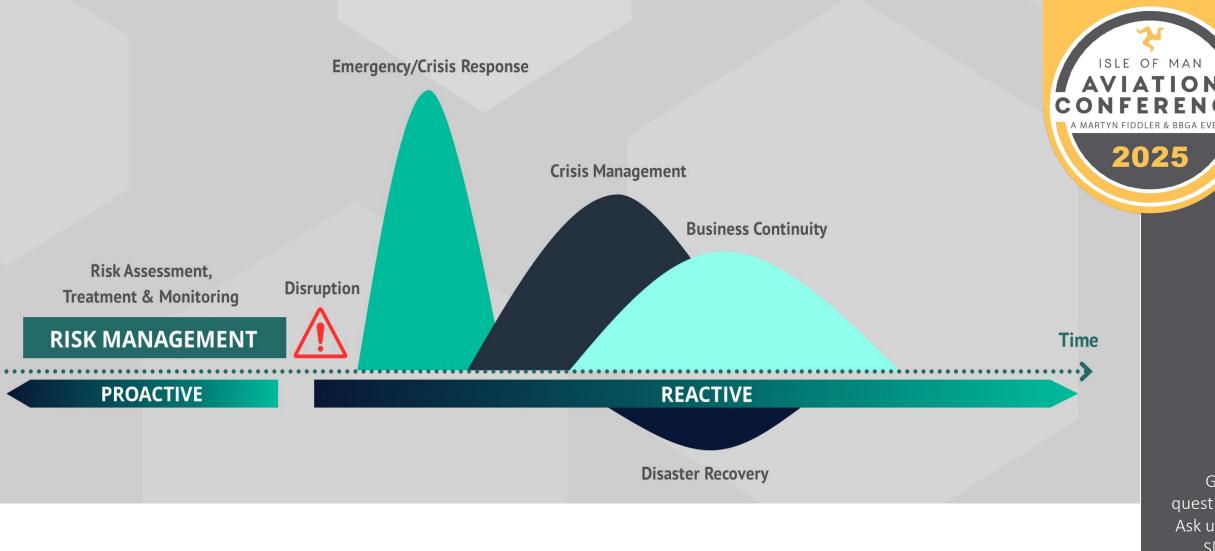




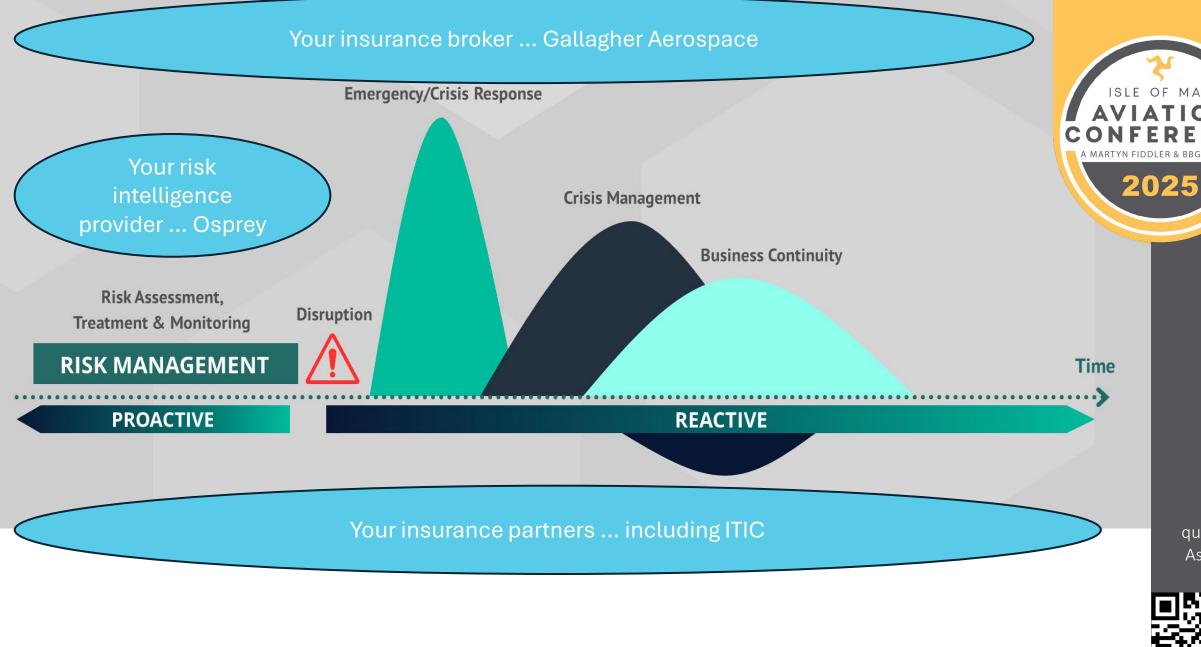












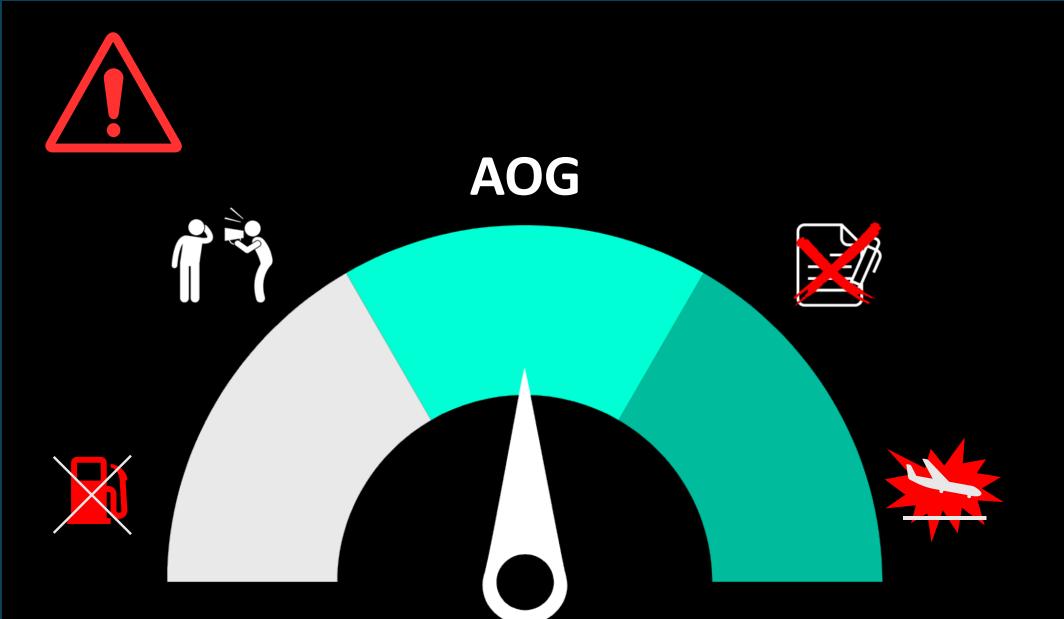


Got a

Osprey's approach to the Russia-Ukraine conflict











Airspace infringements

Following a non-critical airspace infringement, third party claims were presented against the Operator.

Who?

What?

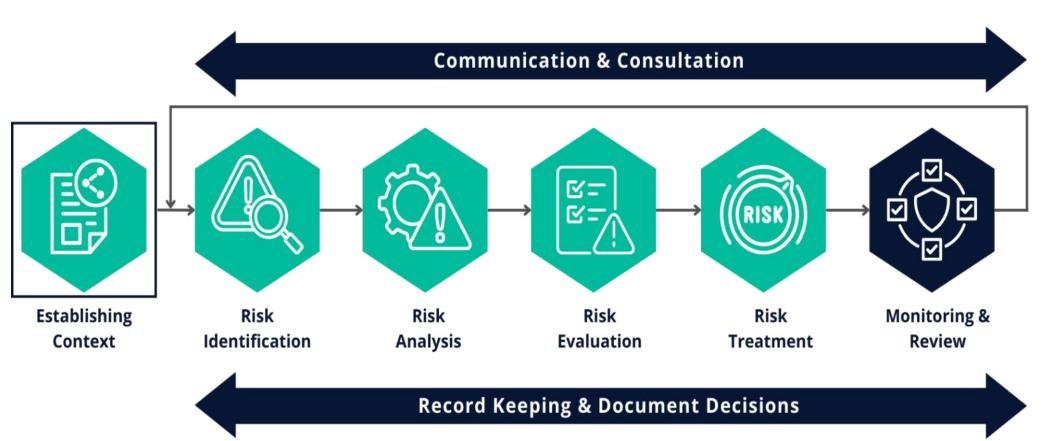
Where?

When?













Gold Standard insurance coverages to consider...

Hull 'All Risks' & Liability

Hull War

Employers' Liability

Group Travel Insurance

• Life / Keyman Insurance

Kidnap & Ransom

• Directors & Officers Insurance • Professional Indemnity

 Professional Indemnity Insurance

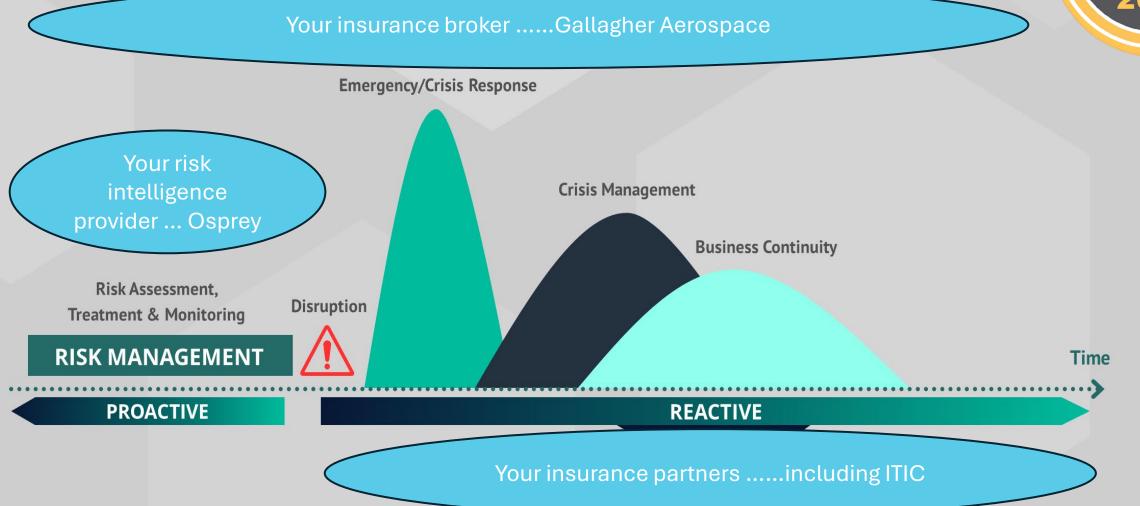




A pro-active, GOLD standard risk management system is a dynamic process, working with experts and techniques to develop scenarios and prepare contingency plans

Your aviation insurance brokers and carriers and risk intelligence partners must be integral parts of your future BUSINESS RESILIENCE & SURVIVAL PLAN







Any questions?









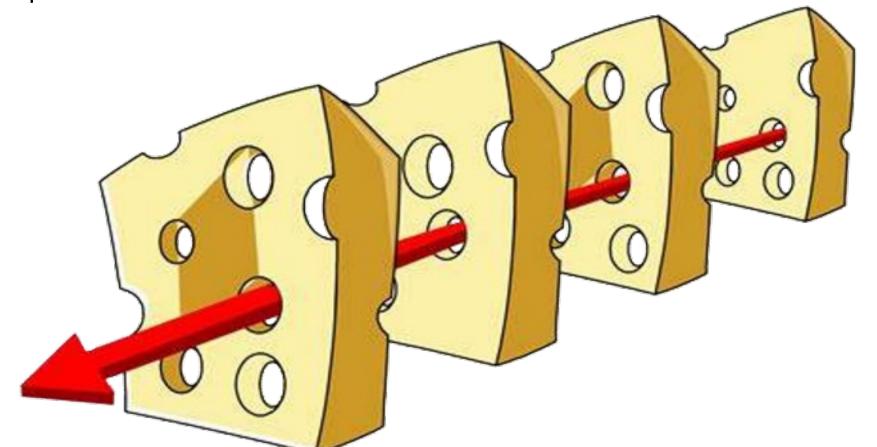
Bruce Norfolk Head of Partnerships James Moreton
Client Executive Director

Melanie Daglish
Director of Aviation



Overview

- Prof James Rasen's model is internationally recognised
- Successful operations build resilience, in whatever ways possible, to protect their operations







Lunch by Wild Thyme

12:15 - 13:30



Please head to the Colonade Suite





Sustainability - Thinking Outside The Box









European Programme Manager, 4Air



Sustainable Aviation Author, SimpliFlying



Manuel Toscano

CEO & Founder, **Ingrid Aviation**



Chief Marketing Officer, Future Energy Global



CEO, Irish Aviation Authority



Sailors Fly Too!



Presented by:





Managing Director, BBGA



Tax Director, Martyn Fiddler



VP Sales, Global Jet Capital



Partner, HFW



Managing Director, Close Brothers



Coffee & Ice Cream Break 15:00 - 15:45





Please head to the main entrance

Sponsored by:





Associations 'Working Together'









Dave Edwards

Chief Executive, Royal Aeronautical Society



COO, **EBBA**



Marc Bailey

CEO, **BBGA**



Closing Remarks



Presented by:



Chief Executive, Royal Aeronautical Society



