**ASIANSKY**MEDIÂ

# Guarter 2022

GULFSTREAM G400 & G800

Interview

**SPECTRUM AEROMED** 

#### **Features**

GLOBAL JET CAPITAL IADA WINGX ADVANCE MOOD & INTENTIONS



Aircraft Spotlight

FALCON 6X FALCON 10X

**Pre-owned Market** 

CHALLENGER 300 & 350



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# **EDITOR'S NOTE**



The first quarter of every year is normally a quiet one. Call it a festive period hangover, or a well-deserved rest following a hectic fourth quarter, but the start to every year is normally quiet.

However, the first quarter of 2022 was a little different.

First, we had the resurgence of COVID-19 in Greater China, and then conflict broke out in Ukraine.

Hong Kong was the first part of Greater China to be struck with a COVID-19 wave. Having avoided any major breakouts until the first quarter, Hong Kong at one point had 55,000 cases on a single day. Whilst that might not sound so many compared to other countries, based on its population size it was the equivalent of around 500,000 cases in the UK.

Whilst this, and a later breakout in Shanghai caused regional optimism to slide, the outbreak of conflict in Ukraine caused optimism to drop. This is in part due to tensions generally increasing in Western Europe, but also due to trading sanctions imposed on Russia by other countries.

These trading sanctions included Russian oil exports.

The International Energy Agency (IEA) says that Russia is the biggest exporter of oil to global markets and that during January 2022, before the conflict in Ukraine began, it produced 11 million barrels per day. The IEA also says that in 2021, 1.3 million barrels a day were exported to China. It is important to remember that it was not just crude oil that Russia exported, but also refined oil and liquid natural gas.

The suspension of trading with Russia caused oil prices to increase in many markets, which in turn pushed up inflation. Inflation is used as an indicator to show how much the price of goods and services has increased. Although this had been rising on a global scale, the conflict in Ukraine has seen it accelerate.

Another factor that could have an impact on the industry further down the line, and is no doubt denting optimism, is an increase in insurance premiums for aircraft. Much of the Russian commercial aircraft fleet has been leased from non-Russian lessors, and unfortunately, many of those aircraft are expected to never leave Russia again. With no other choice, many lessors have started to file insurance claims to try and claw back some of the value of their lost assets. This includes Aercap, one of the world's biggest lessors, which filed a US\$3 billion claim covering 100 aircraft.

If those claims are successful, then insurers themselves will need to recover their own losses. The only way they can begin to do this is by raising insurance premiums for other aircraft.

But it's not all doom and gloom this quarter, there have been some positive signs as well. This has been very noticeable in the pre-owned market, which continues to see strong activity. The International Aircraft Dealers Association, whose accredited members buy and sell more aircraft by dollar value than the rest of the world's dealers combined, presents its First Quarter Market

#### SPECIAL THANKS TO OUR CONTRIBUTORS







Gulfstream







Report, which outlines all of the deals and activity that its members have seen.

Elsewhere in this issue of Asian Sky Quarterly, there is all of the usual hard data and intel that you have come to rely on. We also have interviews with Asia-Pacific's biggest operator Sino Jet and medical equipment supplier Spectrum Aeromed.

We round off the issue with a global business aviation market update by Global Jet Capital, an update on flight activity with data kindly supplied by WINGX, and a special feature by Dassault Aviation about its upcoming Falcon 10X and Falcon 6X, the latter of which is due to enter service before the end of the year.

Sincerely,
Alud Davies
Media & Communications Director

Asian Sky Media

# PUBLISHER ASIANSKYMEDIĀ

**EDITORIAL & MARKET RESEARCH** 

Alud Davies Bowen Zhang Tiffany Tong Liana Liu Icy Ho

DESIGN

Amy Liu Luna Huang

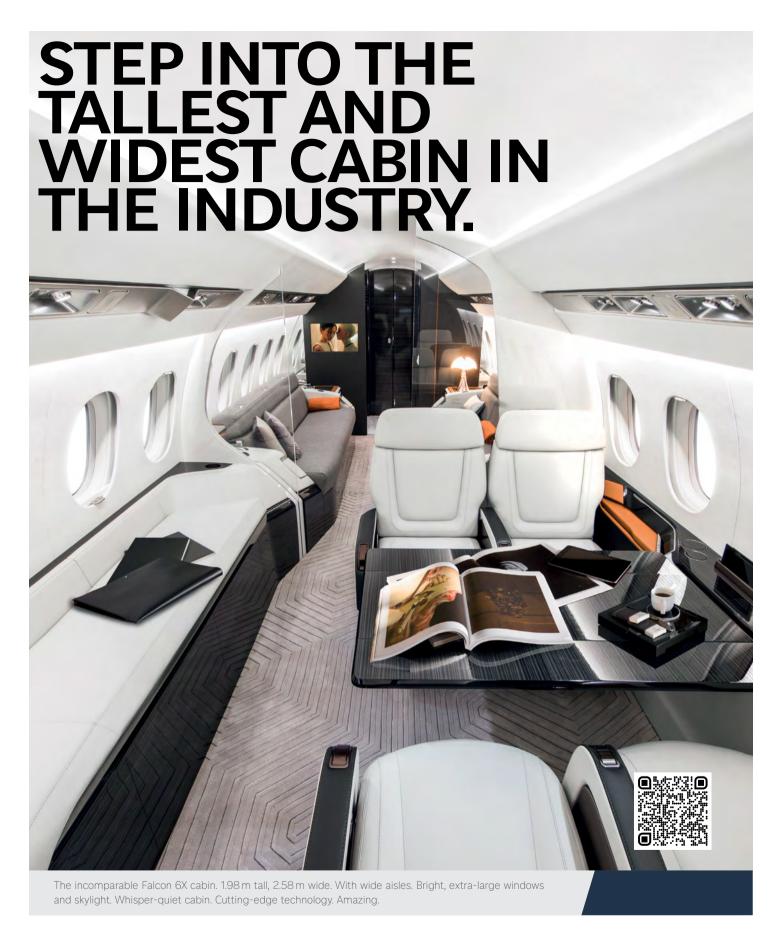
#### ADVERTISING/ENQUIRIES:

jwong@asianskygroup.com (852) 9199 7751 www.asianskymedia.com

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# ASIA-PACIFIC BUSINESS JET FLIGHT ACTIVITY

**2022 Q1 REVIEW** 

**Analysis By Liana Liu** 

WINGX is a data research and consulting company, which provides actionable market intelligence to the global business aviation industry. Our interactive webhosted dashboards provide our customers with the data-visualization they need to stay alert to market trends, keep tabs on market share, identify competitive threats and spot new sales opportunities. WINGX customers include aircraft operators, airframe, engine and avionics OEMs, airlines, maintenance providers, airports, fixed-based operators, satcom providers, fuel providers, legal advisors, leasing companies, banks, regulators, investors and private jet users.

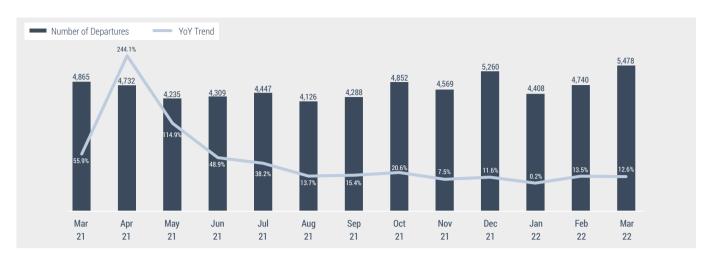
For further information and a free demo of our dashboards, please contact: Richard or Christoph at office@wingx-advance.com

**WINGX Data Source: ADSB and ATC** 

DATA BY WINGX



#### NUMBER OF DEPARTURES

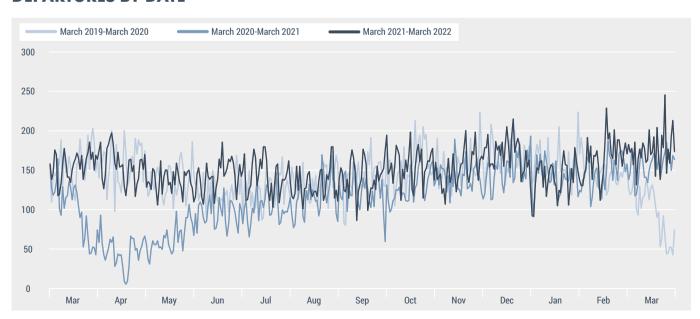


During the first month of 2022, business jet flight activity in the Asia-Pacific region still faced challenges brought on by COVID-19. Days after identifying the highly transmissible Omicron variant in South Africa, many countries postponed their plans to open their borders. Business jet flight activity in January 2022 decreased by 16.2% from the previous month. In addition to pandemicrelated restrictions, fewer global events scheduled in January also contributed to the decline in activity. As the World Health Organization acquired more information about the new variant, countries enhanced their current vaccination programs. Based on the data provided by the health department of each government, countries like India only had around 30% of its citizens completely vaccinated before the occurrence of Omicron but had reached a 60% full-vaccination rate by the end of March 2022. Many

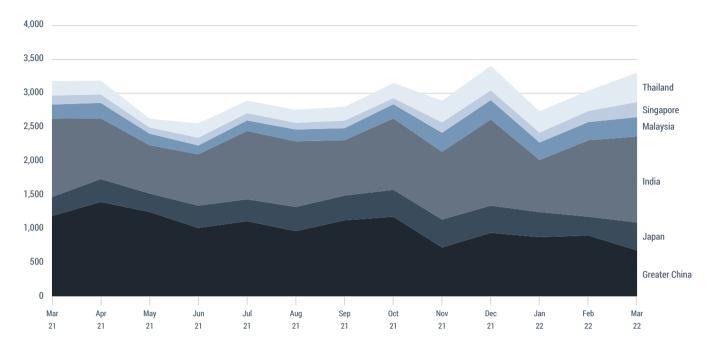
Asia-Pacific countries were more willing to reopen their borders as more people completed the vaccination process and thus business jet departures increased by 15.6% to 5,478 flights in March. Although the average monthly flights in the first quarter of 2022 were lower than the previous quarter, flights in March 2022 outperformed all other months.

However, flight activity has been overall increasing, and reached a peak of 248 flights on March 25. Flight activity in late March outperformed pre-pandemic levels as people hoped to stimulate economies by increasing business activities and leisure travel began to return. The lowest trough occurred on December 31, 2021, similar to the situation seen in 2020, which may be related to the new year celebrations.

#### **DEPARTURES BY DATE**

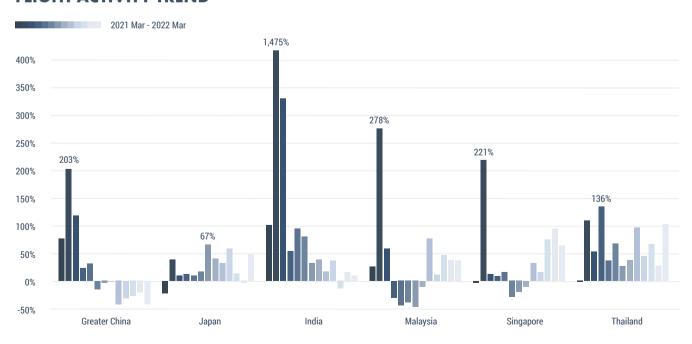


#### **FLIGHT ACTIVITIES**

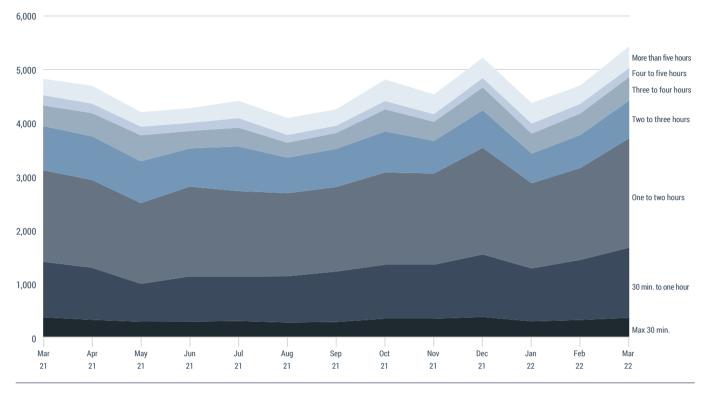


Greater China and India saw the most departures; however, the yearon-year growth has been negative for Greater China and is declining in India. Mainland China's zero-COVID policy imposed strict quarantine procedures and paused the issuance of ordinary passports for nonessential travelling, which caused the negative year-on-year seen in Greater China. India's flight activity in the first quarter of 2021 grew significantly due to outbound flights for healthcare resources; hence, compared to 2021, flight activity in the first quarter of 2022 were less active. Malaysia, Singapore and Thailand all have positive yearover-year growth in the first quarter of 2022, as their airports were open with some restrictions. Overall, these countries are engaging in similar tourism activities as they were before the pandemic. With the vaccination rate increasing, governments are more willing to loosen COVID-19 related restrictions and therefore saw a rebound in their local economies. Japan experienced less significant year-over-year growth in January and February. Later, it allowed entry to non Japanese citizens except for tourism purposes starting on March 1st, 2022. The measure stimulated flight activity and fostered business recovery in Japan.

#### **FLIGHT ACTIVITY TREND**



#### **FLIGHT DURATIONS**



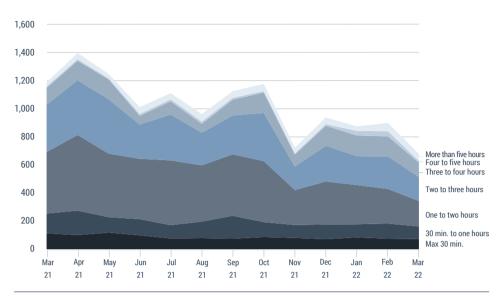
Flight durations between 30 minutes to two hours remained the most popular in the Asia-Pacific region. The periodto-date growth for flights that had a duration of more than five hours in the first quarter of 2022 was 24.5%. In addition to total flight activity increasing, the proportion of international business jet trips also expanded. It showed that consumers were more confident in flying to other countries, while still having some concerns regarding safety. Thus, people that can afford business jet trips would choose to do so. With trips ranging from one to two hours having the largest share and international flights increasing, it suggests that people are most likely to travel to nearby countries.

#### **DOMESTIC VS. INTERNATIONAL FLIGHTS**

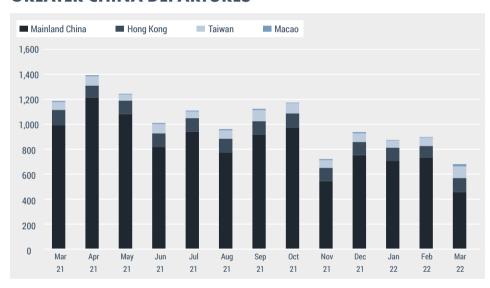


Country/Subregion	Number of Departures 2022 Q1	YoY Trend
India	3,173	4%
Greater China	2,451	-31%
Japan	1,062	19%
Thailand	1,049	66%
Malaysia	814	41%
Singapore	533	78%

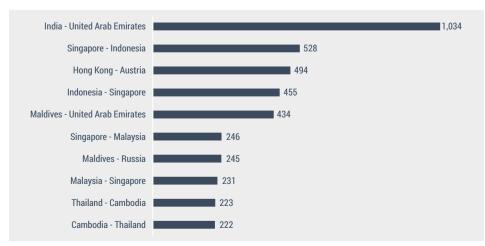
#### FLIGHT DURATIONS IN GREATER CHINA



#### **GREATER CHINA DEPARTURES**



#### **BUSIEST INTERNATIONAL ROUTE 2022 Q1**



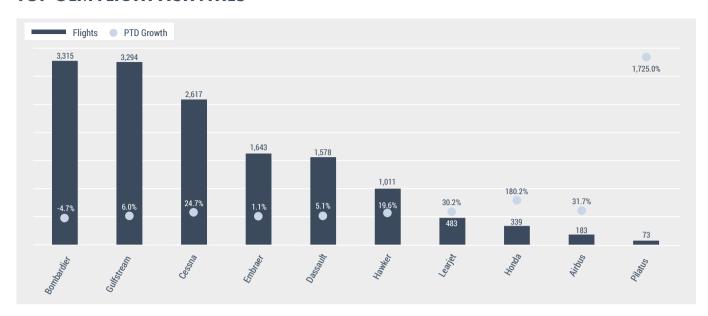
Although Greater China saw a sharp decline in activity from November 2021, Hong Kong, Taiwan and Macao were all steady during the first quarter of 2022. Pandemic-related policies caused a continuous decrease in activities in mainland China. Once these restrictions are removed, it is likely that the market will become positive again.

According to the Embassy of India, the Indian population accounts for 30% of the United Arab Emirates (UAE) total population, and 15% of Indian immigrants are professionals and businesspeople. Hence, jet connections between these two countries are mainly for business and family visits. In February 2022, India signed a Comprehensive Economic Partnership Agreement with the UAE to enhance non-oil trade between the two countries with hopes to open more opportunities for investment and trading. The agreement further enhances the business iet activities between India and the UAE.

After two and a half years of negotiations, Indonesia and Singapore signed three agreements to resolve the longstanding issues regarding airspace management, defense cooperation and extradition on January 25th, 2022. This further increased business jet activity between these two countries. The number of flights departing from Singapore and arriving in Indonesia jumped from 59 flights in March 2021 to 74 in March 2022.

Domestic connections dominated the busiest routes in the Asia-Pacific region, especially in India. It is also worth noting that an eighth of the jet activity in mainland China are dedicated to training and maintenance purposes.

#### **TOP OEM FLIGHT ACTIVITIES**



Bombardier remained the most popular Original Equipment Manufacturer (OEM) in the Asia-Pacific region. Its Global series models are widely used since they are in the Long Range category that can support international travel. Gulfstream, another OEM known for its Long Range models, ranked second with 21 fewer flights. Together, models manufactured by these

two OEMs accounted for 45% of the business jet activity in the Asia-Pacific region in the first quarter of 2022. Pilatus' aircraft only accounted for four flights in the first quarter of 2021. As people engage in domestic travel, the demand for Very Light Jets has increased.

#### TOP CITY FLIGHT ACTIVITY TRENDS

Jet activity in New Delhi, Bangkok, Singapore and Manila has seen a steady increase since January 2022. Airports in these cities now allow non Citizens to enter the country without strict quarantine if they are fully vaccinated. Governments are now taking steps to rebound their economies. India saw the greatest

YoY %

number of flights in the first quarter of 2022, with a large portion being domestic hops. The overall business jet market showed a positive sign of recovery.

#### \_ . .

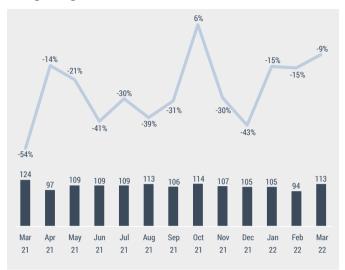
Number of Departures



#### **Beijing**



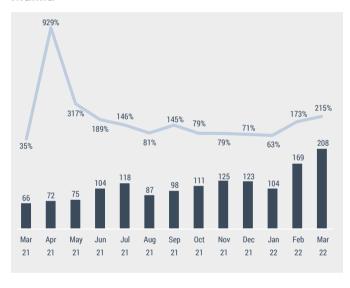
#### **Hong Kong**



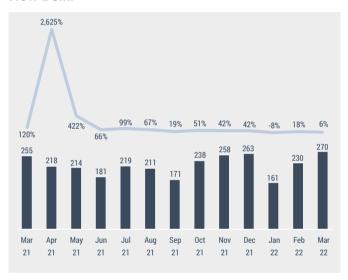
#### Jakarta



#### Manila



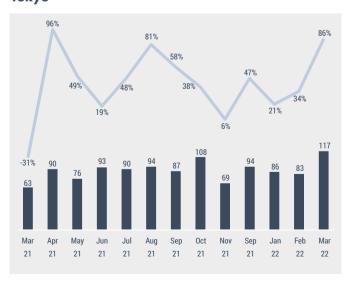
#### **New Delhi**



#### **Singapore**



#### Tokyo





# ASIA-PACIFIC MOOD & INTENTIONS

MACRO ECONOMICS AND QUARTERLY SURVEY 2022 Q1

# **MACRO ECONOMICS**

#### GREATER CHINA | MAINLAND CHINA, HONG KONG, MACAO & TAIWAN

#### **Mainland China**

Despite slowing in the fourth quarter, China's economy expanded by 8.1% in 2021, largely due to an expansion of 18.3% in Q1. Growth in Q4 slowed due to a resurgence of COVID-19 in the country, as well as a slowdown in the real estate sector. China's growth target for 2022 is 5.5%, although this was set before the COVID-19 outbreaks in several key Chinese cities.

#### Taiwan, China

Taiwan's 6.2% growth in 2021 was the highest for 11 years and was mainly driven by strong exports. In the fourth quarter alone, exports grew by 11.92%, driven by an increase in technology exports. GDP growth is project to slow to just under 4% in 2022, as inflation rises in the region.

#### Hong Kong, China

Hong Kong's economy grew by 6.4% in 2021, almost reversing a 6.5% contraction in 2020. This was largely due to an increase in exports, which had previously been hampered by COVID-19 related restrictions. Hong Kong's economy had been forecast to grow between 2 - 3.5% in 2022, however a worse than expected first quarter could see that forecast revised.

#### Macao, China

Macao's economy bounced back from a 54% contraction in 2020 to a 18% increase in 2021, thanks in no small part to the return of gaming and tourism services from mainland Chinese visitors.

\*Data Source: Trading Economics

A reading above 50 indicates an expansion of the manufacturing sector compared to the previous month; below 50 represents a contraction; while 50 indicates no change

#### **GDP GROWTH (BILLION USD)**

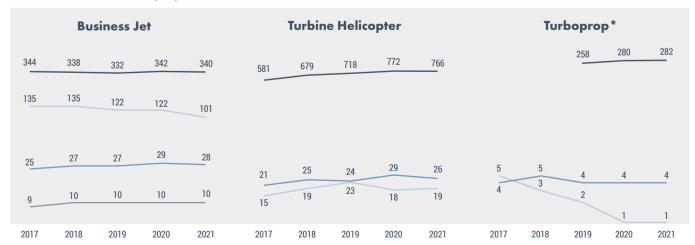


#### **PURCHASING MANAGER'S INDEX**



#### **FLEET SIZE GROWTH**

Mainland China
 Taiwan
 Hong Kong
 Macao



<sup>\*</sup>Macao's PMI is not available.

<sup>\*</sup> Historical data under review

# AUSTRALASIA | AUSTRALIA, NEW ZEALAND & PAPUA NEW GUINEA

#### **Australia**

Australia's economy grew by 4.2% in 2021, thanks to a strong forth quarter. This was driven by growth in household spending in States that had previously been locked down due to COVID-19 restrictions. This included a 14.2% increase in non-essential spending - the highest growth on record. In 2022 Australia's economy is projected to grow by 3.7%.

#### **New Zealand**

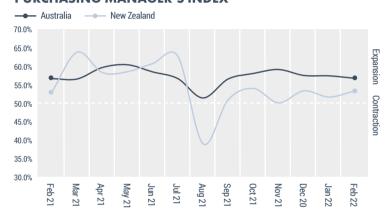
The economy in New Zealand grew by 5.6% in 2021, having contracted by 0.3% in 2020. Business and retail services were behind the increase, particularly in, accommodation, and restaurants. New Zealand's economy is projected to expand by 2.9% in 2022.

A reading above 50 indicates an expansion of the manufacturing sector compared to the previous month; below 50 represents a contraction; while 50 indicates no change.

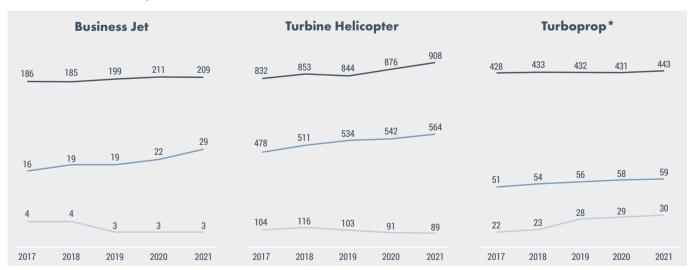
#### **GDP GROWTH (BILLION USD)**



#### **PURCHASING MANAGER'S INDEX**



#### **FLEET SIZE GROWTH**



<sup>\*</sup>Data Source: Trading Economics

<sup>\*</sup>PNG's PMI is not available

<sup>\*</sup> Historical data under review

# **SOUTHEAST ASIA | THAILAND, MALAYSIA & SINGAPORE**

#### **Thailand**

The Thai economy expanded by 1.6% in 2021, as global trade resumed, and exports of Thai goods increased. Some growth was also seen in the inbound tourism sector, although this was still well below pre-pandemic levels. For the 2022 full year, the Thai economy is expected to grow by around 3.2%.

#### Malaysia

Malaysia's economy grew by 3.6%, driven by an increase in the manufacturing sector, as well as exports. Unemployment rates, which had reached record highs, declined to 4.6% in the fourth quarter. Full year growth in Malaysia is expected to reach 5.5% in 2022.

#### **Singapore**

Singapore's economy grew by 7.6% in 2021 following a contraction of 4.1% in 2020. Manufacturing contributed with a 13.2% increase in output during the year accounting for 22.3% of the country's GDP. Singapore's economy is projected to grow by 4.4%.

#### **GDP GROWTH (BILLION USD)**

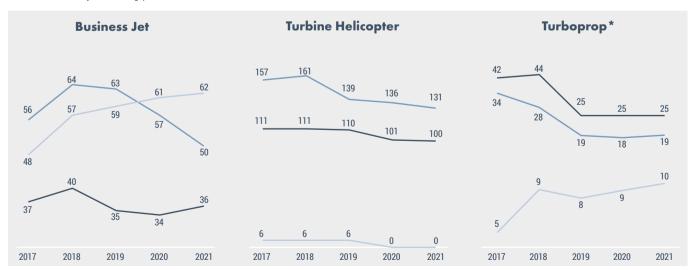


#### **PURCHASING MANAGER'S INDEX**



#### **FLEET SIZE GROWTH**

• Thailand • Malaysia • Singapore



<sup>\*</sup>Data Source: Trading Economics

<sup>\*</sup>A reading above 50 indicates an expansion of the manufacturing sector compared to the previous month; below 50 represents a contraction; while 50 indicates no change.

<sup>\*</sup> Historical data under review

# **SOUTHEAST ASIA** | INDONESIA, PHILIPPINES & VIETNAM

#### Indonesia

The economy in Indonesia bounced back in 2021 following a year of negative growth. Full year GDP growth reached 3.69%, up from a 2.07% contraction the year before. Stronger commodity prices drove record exports throughout the year, especially in the final quarter. The economy is expected to grow by a further 5% in 2022.

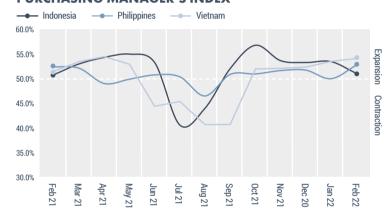
#### **Philippines**

The Philippines economy grew by a revised 5.7% in 2021, up by 0.1% from the originally reported figure. Most sectors of the economy grew during the year, especially in the fourth quarter, which saw an increase in the contribution from industry and services. The country's GDP is forecast to grow by 6% in 2022, and a further 6.3% in 2023.

#### **GDP GROWTH (BILLION USD)**

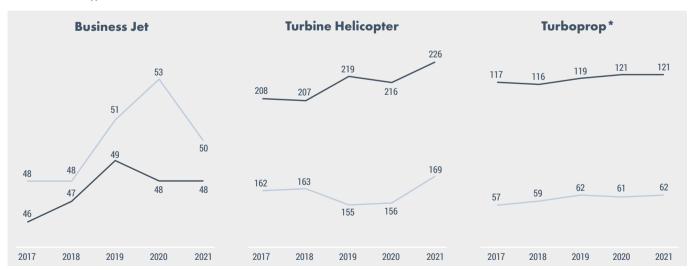


#### **PURCHASING MANAGER'S INDEX**



#### **FLEET SIZE GROWTH**

 Indonesia Philippines



<sup>\*</sup>Data Source: Trading Economics

<sup>\*</sup>A reading above 50 indicates an expansion of the manufacturing sector compared to the previous month; below 50 represents a contraction; while 50 indicates no change.

<sup>\*</sup> Historical data under review

# EAST ASIA & SOUTH ASIA | JAPAN, SOUTH KOREA & INDIA

#### Japan

The economy in Japan grew by 1.7% in 2021, following two years of contraction. This was largely fueled by a solid fourth quarter after the country lifted its COVID-19 related state of emergency in September. This helped increased domestic consumption, as well as boosting the transportation sector.

#### **South Korea**

South Korea's economy grew by 4.1% in 2021, with growth seen across most major sectors. This was especially noticeable in the export sector, which grew by 26% during the year, with exports to China increasing by 23%. South Korea forecasts its growth in 2022 will reach 3.1%.

#### India

India's GDP for 2021 was revised downwards from 9.2% to 8.9% following a decline in construction contracts. Mining and public admin & defense were the biggest sectors to grow during the year. India's economy is expected to grow by 7.5% in 2022.

#### **GDP GROWTH (BILLION USD)**

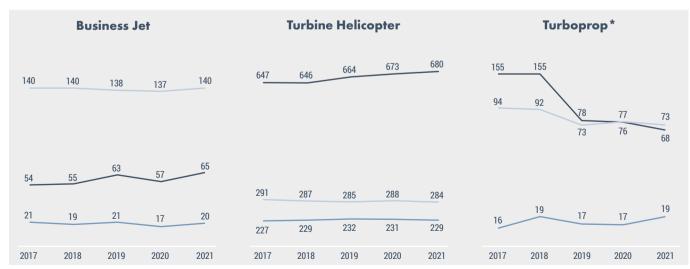


#### **PURCHASING MANAGER'S INDEX**



#### **FLEET SIZE GROWTH**





<sup>\*</sup>Data Source: Trading Economics

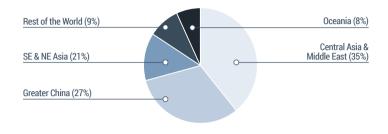
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<sup>\*</sup> Historical data under review

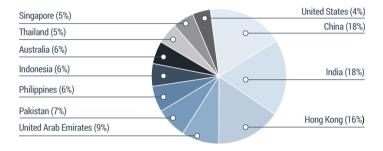
# **QUARTERLY SURVEY**

#### **RESPONDENT BREAKDOWN**

#### **Respondent's Locations**



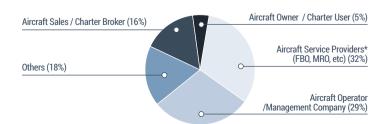
#### **Top 10 Respondent's Locations**



#### **Respondent's Related Aircraft Type**



#### **Respondent's Category**



#### **Highlights in 2022 Q1 Survey**

- Chinese market optimism dropped by 21% in Q1, which led to a decrease in regional optimism for the first time since 2020 Q1.
- 2. More respondents believed that market demand will bounce back in the next six months.
- 3. Fleet utilization continues to increase.
- 4. Common sense regarding the "Seller's Market" remains.

In the first quarter of 2022 over 350 business aviation professionals responded to Asian Sky Media's latest quarterly survey about the mood and intentions in the industry.

The regions with the most respondents include:

1. Greater China (27%) 2. Southeast and Northeast
Asia (21%) 3. Central Asia & the Middle East (35%,
incl. India, Pakistan, UAE etc.) 4. Oceania (8%) 5. Rest
of the world (9%).

The majority (61%) of respondents are related to business jets operations.

In total, 61% of respondents from this survey are from aircraft services providers (FBO, MRO, etc.) and aircraft operators. This was followed by smaller percentages of aircraft brokers (16%), and aircraft end users (5%). The remainder of the respondents are from other associated areas.

#### **COVID-19 Pandemic in Asia-Pacific**

In the first quarter of 2022, as the borders between countries and regions in Asia-Pacific continue to open up, we have seen a promising, increased percentage of respondents believing that market demand will be back in the next six months. This is an opinion that is supported by respondent's own flight operations and business inquiries.

<sup>\*</sup> Aircraft Service Providers include: financial services, training, FBO, ground handlers, Service, MRO, parts, etc.

<sup>\*\*</sup> Others include law firms, research facilities and government officials

All signs are good, except in the Greater China market. A major COVID-19 outbreak hit Hong Kong during December-January which shelved the Hong Kong government's efforts to open its border with mainland China again. Mainland China itself was later hit by another COVID-19 wave, with Shanghai facing the brunt, forcing the city into total lockdown. This seriously affected fleet utilization in the region, as well as domestic business demand.

When asking for people's understanding of the current economic cycle in Asia-Pacific, we saw optimism reach 76%, which is a 10% decrease compared to the previous quarter. This is the first major decrease we have seen since Q1 2020, when the COVID-19 outbreak first took place.

#### Aircraft Utilization

According to WingX Advance, a German business aviation consultancy firm, flight activity increased during the first guarter across Asia-Pacific, except for regional cities in Greater China. From our survey, a total of 57% of respondents reported that their fleet utilization increased. Overall, most regions' respondents believe that market demand was higher in Q1 2022 than it was in Q1 2021, except in the Greater China market.

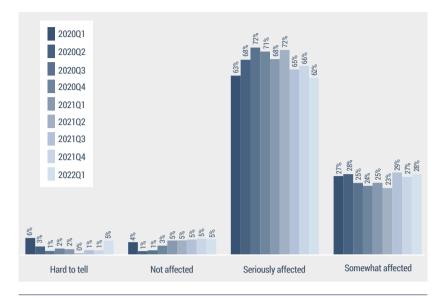
#### **Purchase Intentions**

Respondents falling into the broker category have reported that we are in a seller's market for three consecutive quarters, with this quarter reaching 55%.

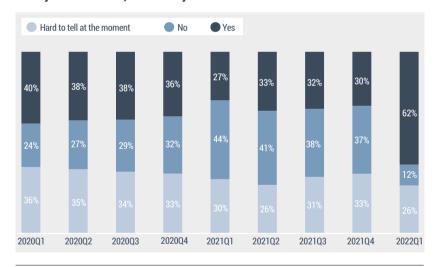
There has been an uptick in new purchase intentions from our respondents, which is now at 30%. This is a good sign that operators / aircraft owners are thinking of either upgrading or adding new aircraft, to their fleets.

# **COVID-19 IMPACT IN ASIA-PACIFIC**

#### Has the COVID-19 outbreak affected you or your organization's business so far?



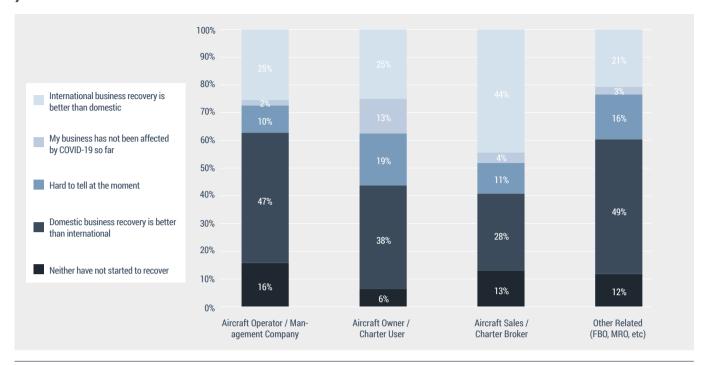
#### Do you foresee market demand bouncing back in the 2nd half-year of 2022/1st half year of 2023?



#### Rank the following factors that you think are critical to the future of business aviation / general aviation:

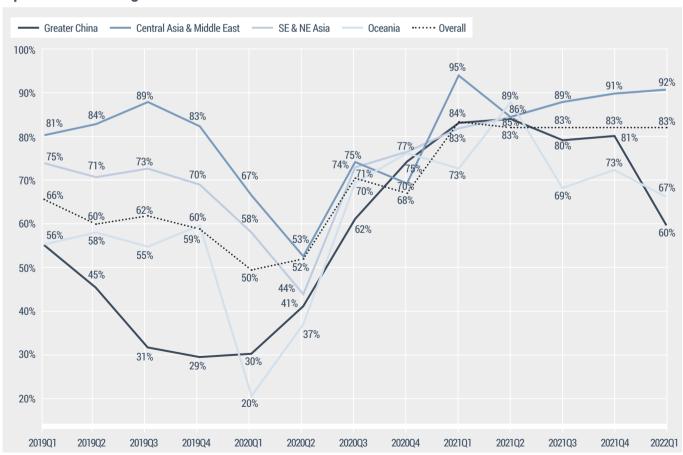


# In terms of your current level of business recovery, how does your domestic business volume compare to your international business volume?

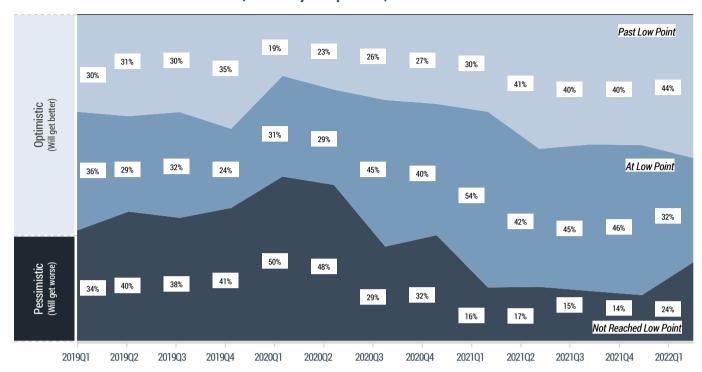


# **ECONOMIC STATUS**

#### **Optimism Levels - Regional Differences**

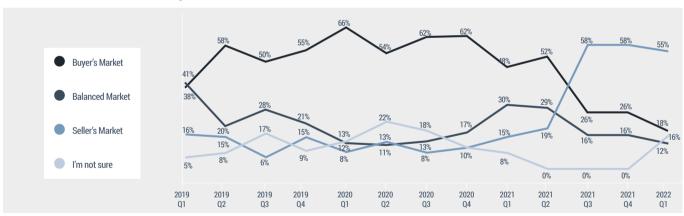


#### What is the current economic status? (Quarterly comparsion)

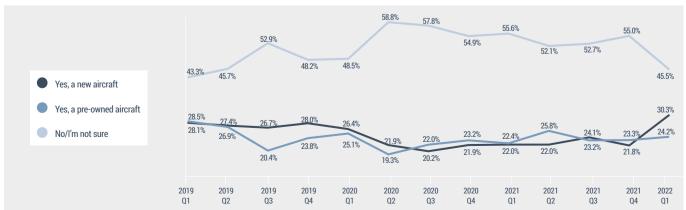


# **PURCHASE INTENTIONS**

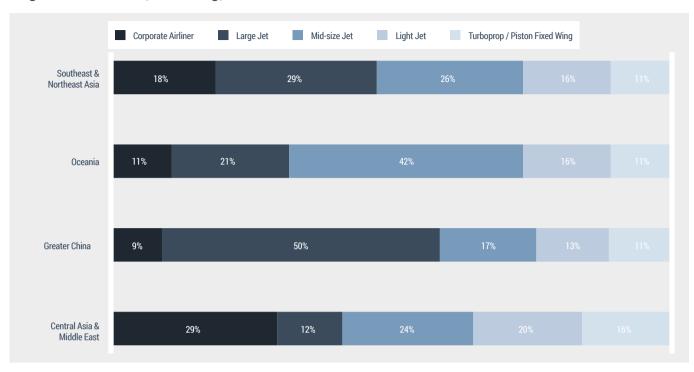
#### Where are we in the current pre-owned market?





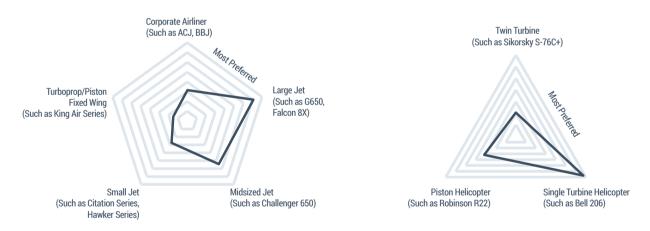


#### **Regional Differences (Fixed Wing)**

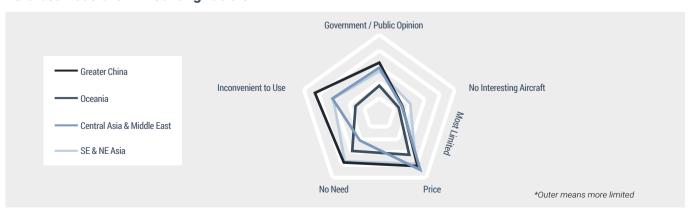


#### **Purchase Intention - Fixed Wing**

#### **Purchase Intention - Helicopters**

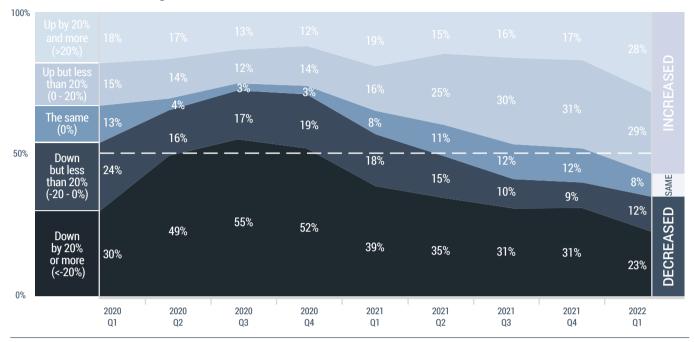


#### Purchase Decisions - Influencing Factors\*



# FLEET UTILIZATION

#### **Aircraft Utilization Changes in Past Two Years**



#### **Greater China**

The Same

Decreased

#### OPTIMISTIC %19 PESSIMISTIC 2020 2020 2020 2020 2021 2020 2021 2021 2022 Q1 Q1 Q2 Q3 Q4 Q2 Q3 Q4 01

Increased

Signal Line\*

#### Oceania



#### Southeast & Northeast Asia



#### **Central Asia & Middle East**



<sup>\*</sup> An Optimistic-Pessimistic Signal Line has been added to regional usage trend analysis for Greater China, Oceania and South and East Asia regions. An optimistic mood is derived from more people indicating 'higher' aircraft utilization compared with 12 months ago, while a pessimistic mood is derived from more people indicating 'lower' aircraft utilization compared with 12 months ago.



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# IADA MARKET MARKET REPORT FIRST QUARTER 2022

WAYNE STARLING

**Executive Director, IADA** 



As everyone knows, we live in tumultuous times. Despite that, the aviation field continues to show extraordinary strength. Global demand is very high. And, much like the fourth quarter of 2021, that demand is married to constrained inventory levels. From a qualitative point of view, our members sense a softening of those constraints and look forward to greater inventory levels as the year progresses.

IADA members report a 35.2% increase in closed deals compared with the first quarter of 2021.

IADA Accredited Dealers buy and sell more aircraft by dollar volume than the rest of the world's dealers combined. This global impact and input help to make the IADA Market Report the go-to review of the business aircraft market. Two important factors make up the report: The first is the IADA Accredited Dealers' market perspective taken from a survey of the entire IADA membership. The second is actual sales data supplied by IADA members to support those points of view; IADA Accredited Dealers submit monthly transaction and activities to IADA's online sales organization, AircraftExchange.

There is great power in our collective. IADA dealers continue to transact sales even when inventory levels are at historically low levels.

We will be conducting the IADA Perspective Survey at the end of each quarter and will present results, along with sales data, at the beginning of the following quarter.

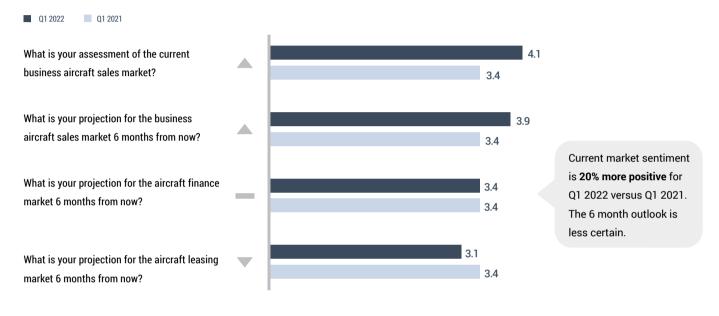
IADA wishes you continued success throughout 2022.

#### **GENERAL MARKET CONDITIONS**

The following data is derived from questions that measure members' overall perspectives on the future of the used aircraft sales market over the next six months, including finance, leasing and commissions. Responses are reported on a 1-5 scale, with 1 meaning "worst ever" and 5 meaning "best ever."

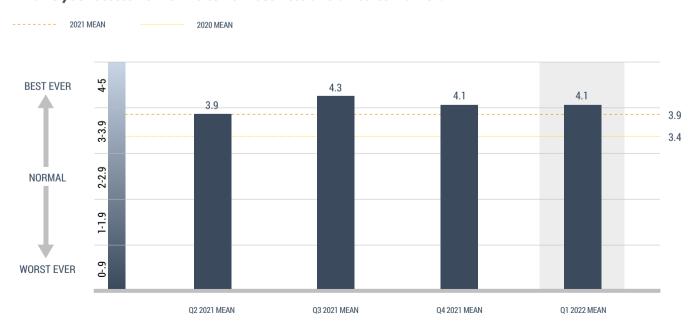
Respondents report that current market conditions are "better than normal" for Q1. Current market conditions are driven by a near-total lack of inventory and high demand.

#### **OVERALL MARKET CONDITIONS | Q1 YEAR OVER YEAR**

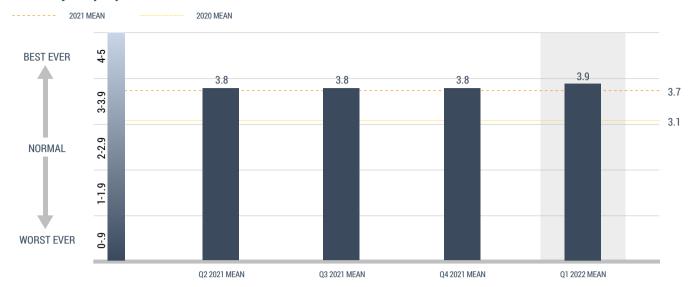


#### **OVERALL MARKET CONDITIONS FOR SALES, FINANCE, LEASING AND COMMISSIONS**

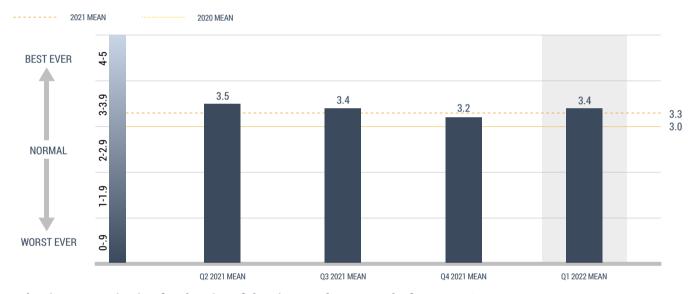
#### What is your assessment of the current business aircraft sales market?



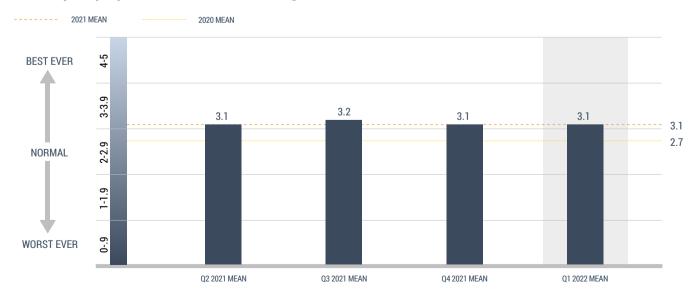
#### What is your projection for the business aircraft sales market 6 months from now?



#### What is your projection for the aircraft finance market 6 months from now?



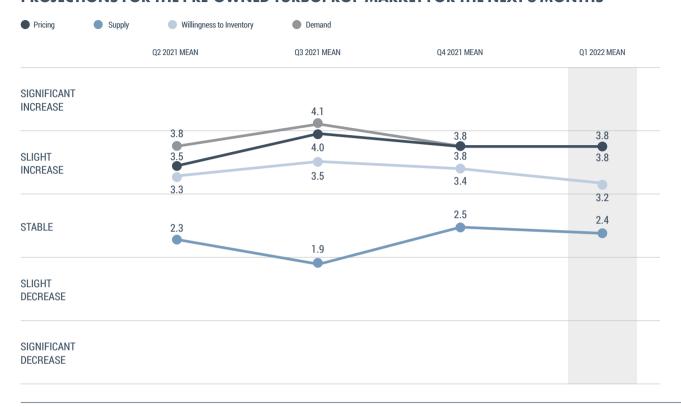
#### What is your projection for the aircraft leasing market 6 months from now?



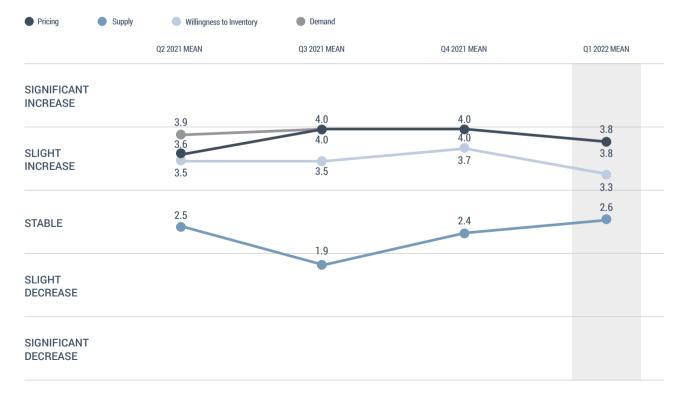
#### 6-MONTH MARKET SECTOR OUTLOOK

The Q1 responses predict the next six months will continue to bring increases in demand for all sectors of the used aircraft sales market — turboprop, light, medium and large/ULJ — while inventory deficiencies (supply shortfalls) are projected to drive higher prices.

#### PROJECTIONS FOR THE PRE-OWNED TURBOPROP MARKET FOR THE NEXT 6 MONTHS



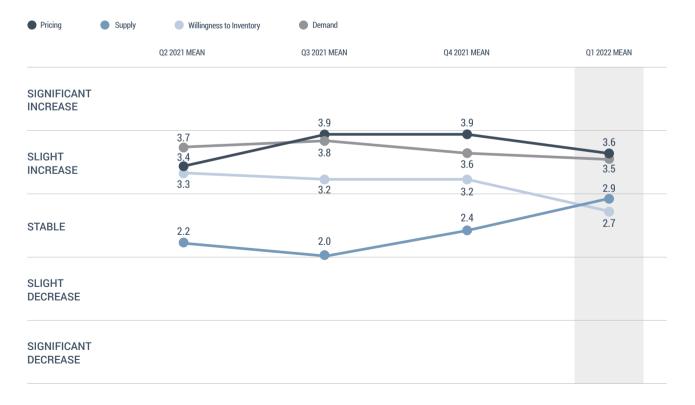
#### PROJECTIONS FOR THE PRE-OWNED LIGHT-JET MARKET FOR THE NEXT 6 MONTHS



#### PROJECTIONS FOR THE PRE-OWNED MID-SIZE MARKET FOR THE NEXT 6 MONTHS



#### PROJECTIONS FOR THE PRE-OWNED LARGE AND ULTRA-LONG-RANGE JET MARKET **FOR THE NEXT 6 MONTHS**

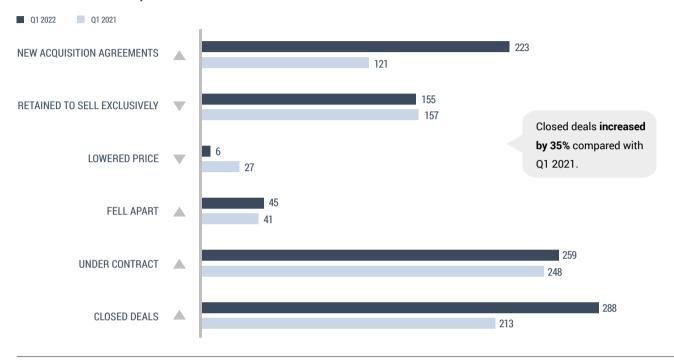


#### **MONTHLY ACTIVITY REPORTS**

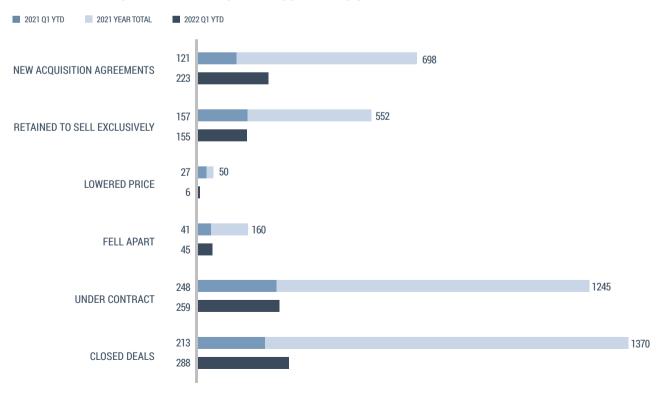
The perspectives and projections from IADA Members for the IADA Market Report are supported by the monthly transaction/ activity reports submitted by IADA Accredited Dealers through AircraftExchange.

Please note that, in addition to sales data from AircraftExchange listings, the IADA Market Report includes data from all IADA Accredited Dealer activities and transactions, reported in total. Herein is a summary of those reports.

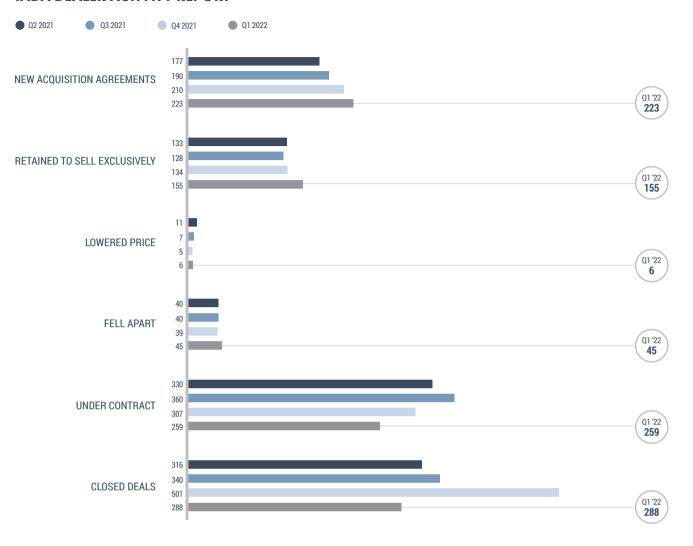
#### **DEALER ACTIVITY | Q1 YEAR OVER YEAR**



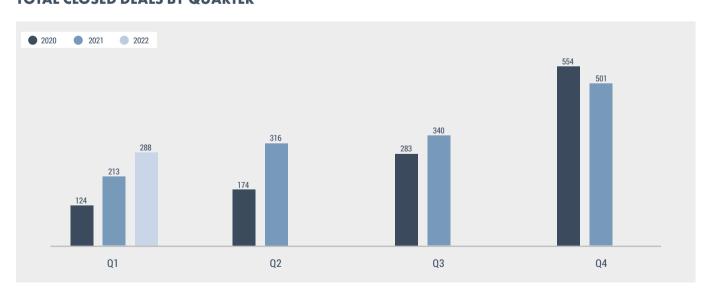
#### IADA DEALER ACTIVITY YEAR-TO-DATE COMPARISON



#### IADA DEALER ACTIVITY REPORT



#### **TOTAL CLOSED DEALS BY QUARTER**





Founded in 1991, North Dakota-based Spectrum Aeromed specializes in providing air medical and air ambulance interiors for rescue helicopters and fixed-wing aircraft.

Dedicated to saving lives, Spectrum Aeromed wants to be the number one provider of air ambulance equipment in the world. To achieve this, it provides a variety of solutions for helicopters and fixed-wing aircraft that can also be tailored technically and aesthetically to the customer. Thomas Redder, the company's VP of International Sales says that Spectrum Aeromed can customize aircraft based on different mission objectives, citing military medical evacuations, hospital transfers, and road accident evacuations. Altogether, Spectrum Aeromed has developed customized solutions for all segments of the global aviation industry including air charter services, private/VIP operators, emergency medical services, search and rescue operations, hospitals, corporations, and military and government programs.

When it comes to fixed-wing aircraft solutions, Spectrum Aeromed has several stretcher solutions. The 2800 stretcher is lightweight and can fit in both small and large aircraft. It is also flame retardant, with an adjustable backrest, thick foam pad, and expandable armrests to increase the patient's comfort, as well as allow the medical crew to better care for and access them. It comes with a unique seat rail adaptor as an additional feature, that can immediately help convert the aircraft into its emergency

medical service configuration in about 15 minutes, without the need for any special tools. As such, the module makes it quicker and easier for medical personnel to serve those in need.

The 20/2200 module, otherwise known as the 'shortbox', is similar to the 2800 series. The one difference is that its flexibility ensures it is especially well-suited to being placed in smaller aircraft or aircraft with limited floor space. The stretcher is designed with tapered corners to allow it to fit through narrow doors or cabinets that hinder the amount it can turn when loading or unloading. Overall, both modules can also be installed either as a single stretcher or in a group configuration, depending on the interior space of the cabin.

Spectrum Aeromed has expertise in carbon fiber lightweight designs for customers that require heavy duty capabilities. The 5500 Module was designed for larger executive-style aircraft such as a Boeing or Airbus A320, and the 3200 Series Patient Transport Unit offers customers a custom module with many critical care capabilities. Spectrum Aeromed's specialty equipment includes manual and electric patient loading systems, medical equipment mounts, cabinets, equipment tables, an incubator transport



system for caring for infants, IV poles and oxygen boxes. Unique to Spectrum Aeromed, the exclusively designed Medwall, Moveable Overhead and Stretcher Bridge were made for the direct mounting of auxiliary medical equipment to provide easy access and flexibility for medical crews.

With rotor and helicopter solutions, Spectrum Aeromed includes its Articulating Stretcher model. It can be pivoted from a full extension to a locked position. As such, aircraft crew and medical team members barely need to do any heavy lifting.

Spectrum Aeromed recently launched a new product called the Infinity 5000X. According to Redder it is; "designed for a more versatile operation so that it can be used for more applications." Unlike the 2800 and 20/2200 models, the Infinity 5000X boasts improved aesthetics, is easier to access for maintenance, is lighter in weight, and is built and designed for flight nurses and air medical teams specifically. The newly designed stretcher bridge allows better access to patients, especially when patients need to be carried on and off the stretcher. Even more convenient, additional options and accessories like a medwall, medical equipment mounts or an Infant Transport Deck can be added to the module. When it comes to future plans regarding this model, Redder says that Spectrum Aeromed is currently in the process of certificating the Pilatus PC-12 with the Federal Aviation Administration (FAA) to hold the new equipment, with hopes that this will be completed before the end of 2022.

One of the unique aspects of Spectrum Aeromed's modules is that the company is trying to give, according to Redder, "maximum compatibility." Whilst some customers may go for the cheapest solution possible and only buy a regular stretcher for an aircraft, Spectrum Aeromed's modules allow its medical systems to be upgraded at a later stage. As he explains, a customer might first choose a base, and then later add on accessories such as medical device mounts or an infant transport deck. Or as the program grows, they can add more ambulance modules that will fit with

their existing equipment. This upgrade is possible as most of Spectrum Aeromed's equipment is compatible with each other. This contrasts with other medical equipment manufacturers, which might be cheaper but cannot be changed without complications. And if a customer wants to keep their previous module? No worries - as Redder puts it, "you can also keep the old module as secondary equipment." This can benefit patients too, especially if both need to be transported using a stretcher but have different medical needs.

Aside from stretcher modules, the company further provides specialty medical equipment and accessories for certain specific missions. These include its Incubator Transport System (ITS) for whenever infants are on board, Patient Loaders to transport patients lying down onto smaller aircraft, as well as medical equipment mounts. This features defibrillators, monitors, oxygen, and other equipment needed to support a life support system. These mounts are also fully customizable, with Spectrum Aeromed working closely with medical teams to design a system best suited for the aircraft and mission. Furthermore, users do not need to worry when it comes to maintenance, as Spectrum Aeromed allows customers to request new parts through its website. Frequently requested parts that the company stocks include stretcher pads, IV poles, oxygen cylinders, and lap belts.

However, as an essential service provider, Spectrum Aeromed has no doubt been affected by the ongoing COVID-19 pandemic. As such, the company also includes the option of outfitting aircraft with a variety of containment and isolation units. These include ISOVAC Products' Containment and Protection System Utilizing Life Support (CAPSULS) Patient Isolation Units (PIU's), AirBoss Iso-Pod, and EpiGuards EpiShuttle. These units can be installed and removed within 30 minutes and can be used on most aircraft such as Airbus, Boeing, Learjet, King Air, the Agusta AW139, Bell429, and more.



#### SPONSORED CONTENT

Redder admits that the past few years have, at times, been quite challenging. At the start of the pandemic, Spectrum Aeromed saw a spike in stretcher inquiries. As Redder explains, "everyone was saying that the only transport taking place in the near future would be patients flying from one hospital to another." However, with many airlines stopping operations due to quarantine and flight restrictions, many flyers pivoted to using old aircraft for private, VIP transport. "Nowadays, if you want to charter an airplane, most customers say 'I don't need a stretcher, because I can still use my old airplane for VIP transport," Redder says. Consequently, it has been somewhat difficult for Spectrum Aeromed to find aircraft that want to have medical equipment installed.

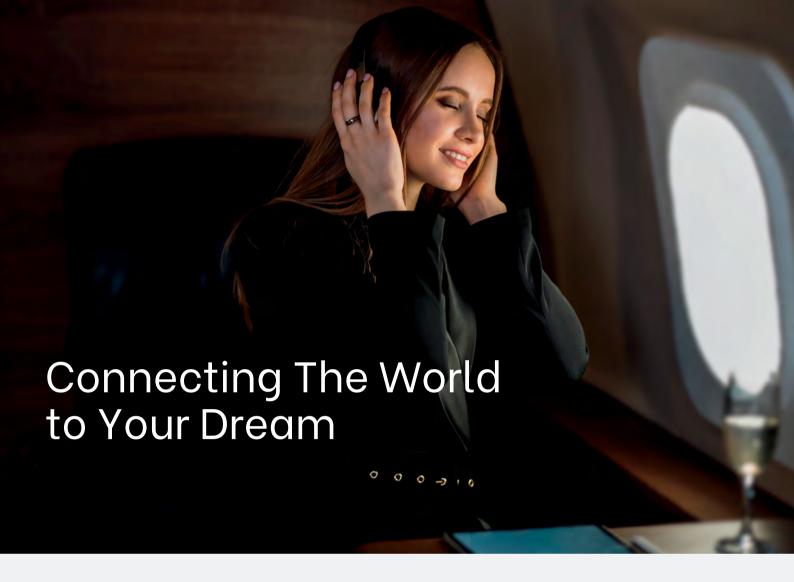
Fortunately, as Spectrum Aeromed sells its equipment internationally, the company can rely on various customers to balance its turnover. Redder cites the situation in Asia as an example — as of writing, travel in most places in the region is slow, especially in mainland China, which is starting to close up

again according to its 'dynamic zero' policy. Nevertheless, with any downswing, there is an upswing — for example, Redder notes that the United States, in contrast, is opening up and doing well. "So that kind of worked out well for us," he says.

The quality level of the types of equipment Spectrum Aeromed sells also plays a factor in balancing its turnover. Redder cites India as an example. The company started out selling simple systems in the region, but over the last two or three years, after Spectrum Aeromed supplied customers with its intensive care units, the market is now pivoting towards buying more sophisticated solutions. "The general trend is that once you manage to sell products at a higher standard, you set a new benchmark, and that leads to additional business," says Redder. In light of this, there's no doubt that Spectrum Aeromed will continue to follow this trend in the near future.

#### www.spectrum-aeromed.com





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### AN INTERVIEW WITH SINO JET STRIVING FOR SAFE AND SUSTAINABLE FLIGHT OPERATIONS

West Chun, Vice President of Operations of Sino Jet Management Limited (Hong Kong)



Mr. Chun
Vice President of Operations, Sino Jet
www.sinojet.org

Mr. Chun joined Sino Jet in 2012, and is the Vice President of Operations of Sino Jet Hong Kong. He is responsible for leading Sino Jet Hong Kong's Flight Operation Centre, fostering and reforming fleet management strategies, supervising all operations resources and flight planning management, as well as being responsible for crew training and license applications.

He graduated from the University of Strathclyde in the UK, as well as from the French National School of Civil Aviation. He holds a Dispatcher License from United States Federal Aviation Administration, has professional qualifications in aviation safety management systems and risk assessment, and flight crew duty time management. Before joining Sino Jet, Mr. Chun was responsible for the daily operational management of commercial airlines, and for many years worked as a supervisor for a major European private aviation company based in Asia. He is also experienced in different aviation fields including passenger services, air cargo, and airport operations.

Mr. Chun supports educating young people on careers in business and general aviation. He has been teaching and speaking in various tertiary colleges, institutions, and events to train up more professionals in the industry and nurture the industry's future talent stream.

1. In 2018, Sino Jet obtained the IS-BAO Stage 3 certification - the highest level of safety recognition in business aviation internationally and subsequently passed the renewal again in 2021. How does Sino Jet continue to maintain the highest safety standards?



Safety remains the corporate culture of Sino Jet, and Sino Jet's pursuit of continuous improvement in safety is practiced in all aspects of the company's operations"

Operational capability - Sino Jet holds China, the United States, Europe, Bermuda, Cayman Islands, Aruba Islands, Isle of Man. Guernsey, San Marino and other aircraft operational management and maintenance engineering qualifications; and, global operational management and maintenance qualification licenses. Among business jet companies in China, Sino Jet holds the largest number of operation and maintenance licenses, operates a fleet with the widest range of aircraft registrations, which lays a solid foundation for the safe operation of the company.

Integrated information management - Complex matters can be better managed by standardisation and systematic management. This is what Sino Jet specialises in and attributes its safe operation to advanced scientific and technological information technology. Sino Jet affiliates an established software system development company, which excels in building advanced, comprehensive and mature information management systems in the business jet industry, developed products include aircraft operation systems, maintenance engineering management systems, safety management systems, flight quality monitoring systems and other aircraft process management systems. Each of these systems features a high degree of interconnectivity, through information integration, every link and every detail of each aircraft in its whole life cycle is efficiently documented, to uphold the quality of its safe operation and high level of traceability of the entire management process.

Introduced a professional weather monitoring system and aircraft positioning system - Sino Jet understands weather plays a key role in aviation safety. To be able to accurately grasp weather information and be able to access real-time operational information about the aircraft, to make flights even safer. The global satellite positioning system can precisely calculate aircraft positions by using multilateration, which uses regular transmission data from satellites, and the professional weather monitoring system to supply weather trends in global flight regions and airports.

With reliable information feeds, coupled with reasonable adjustments to the flight plan, the safety of flight operations can be secured. Sino Jet's aircraft positioning system has the capability to accurately reflect 4D information about the tracked aircraft - the aircraft status can be accurately monitored and displayed on the system at any time and any place (3D: longitude, latitude, altitude).

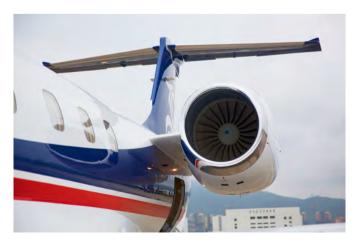
#### 2. Could business jet management affect the monetary value of a business jet?

As an industry benchmark, Sino Jet often emphasises the important concept of financial asset management in providing business jet management services to preserve the valuable asset of its clients.

Full life cycle management: From management proposal, purchase inspection, aircraft delivery, daily operations, maintenance troubleshooting, aircraft inspections, asset disposal, etc., Sino Jet provides a full life cycle management service for business jet owners, accurately assessing customer needs and accurately evaluating aircraft conditions, to tailor suitable operation plans so that customers can enjoy the maximum level of protection in safety and security when they travel, whilst upholding the maximum value of their aircraft assets.

Ensuring asset value preservation: In the aircraft trading market. the aircraft fuselage, maintenance, related equipment and archival information could directly affect the valuation of an aircraft. This is why it is important, that from receiving the aircraft, Sino Jet ensures compliance, integrity and traceability at every step of the management process in terms of safety, applicability, value preservation, economy and other aspects.

Sino Jet maintains close contact with aircraft manufacturers and other operators, repeatedly crosschecks and exchanges aircraft information, ensures that maintenance records, maintenance





guidance requirements, flight records, and technical records are up-to-date and complete. So that when an aircraft comes to transfer of ownership or change of registration, it remains in good condition and the process can be completed professionally in a wholesome approach; or when it finally comes to asset disposal, the transaction will be completed in an efficient manner at the most reasonable price.

## 3. In the process of flight operations, how does the Sino Jet Flight Operations Centre safeguard the safe travel of its clients?

Sino Jet Flight Operations Centre operates 24 hours a day with safety in mind, to exercise prudence and focus on providing operational support for every flight with its every strength.

When we formulate flight plans. We make use of our aircraft dispatch and crew management systems, Jeppesen and NAVBLUE professional flight plan system, etc., that meet the requirements of the Civil Aviation Administration of China and the Federal Aviation Administration; in addition to the most advanced communication equipment and maintaining close contact with meteorological and civil aviation units from various countries.

Sino Jet has operating bases and offices in 20 cities internationally and takes advantage of utilising available resources within its network to service its domestic and international flights. Our international team works tirelessly to coordinate with our partners to support our fleet operations, aircraft scheduling and crew operations, and ensure that all operations are performed safely, legally and flexibly under applicable regulations.

Our team members are very well experienced in business aviation and adheres strictly to all applicable safety procedures; additionally, they receive regular training in flight scheduling and dispatch, aviation safety, business jet operations, etc to ensure their skills are



up to date. Prior to each flight, the aircraft status is comprehensively assessed, the departure, destination and diversion airports are all planned in detail and monitored, as are other aspects, including weather conditions, airspace restrictions, crew duty and rest time to ensure operational safety.

Furthermore, we have established a global network of operations and auxiliary resources. We have our own affiliated aviation ground handling agency, Fareast Aviation Service Co., that works closely with local FBOs and local agents. When we select our local ground handling partners, in addition to their international standard certifications such as IS-BAH, we conduct annual evaluations in each region to analyse the service standards and the availability and accessibility of airport resources, so that we can consistently uphold and improve our operational efficiency and service quality, and ultimately safeguard our every safe and smooth flight.

# 4. Amid the challenging pandemic situation in Hong Kong, how does the Flight Operations Centre of Sino Jet Hong Kong maintain its operational advantage?

Sino Jet has increased its investments in strengthening its internet and remote working capabilities, making the best use of the latest technology. Sino Jet has also adopted flexible working arrangements, formulated clear performance indicators, policies and procedures, and setup remote office systems all to help its team of professionals continue working efficiently in any safe environment.

Sino Jet Hong Kong has also setup a backup operations control centre. The whole team of staff are sent to work in different shifts and locations to reduce exposure of every staff on duty. This mixedwork mode and remote work arrangement have matured over time, Sino Jet has proven to remain highly responsive to any abrupt changes in aircraft plans or requests and last-minute cancellations.

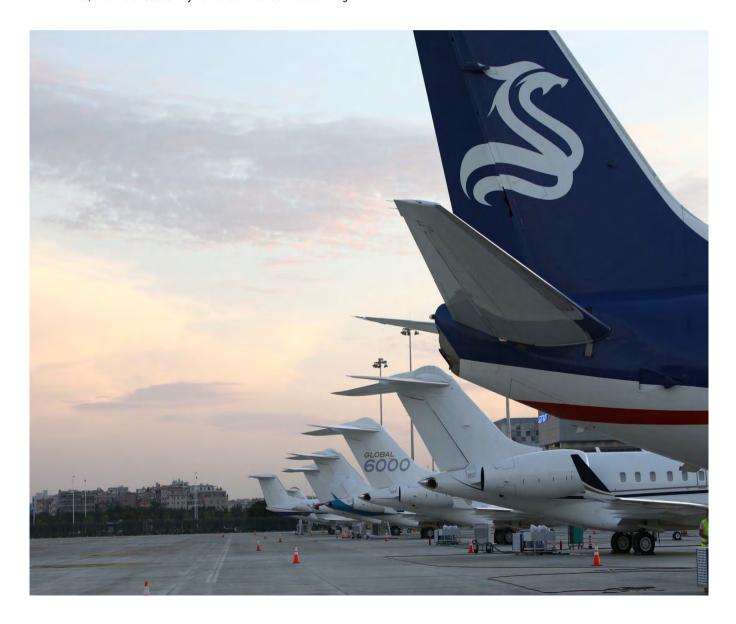
Sino Jet has many domestic and foreign service resources. During the epidemic, some of our clients have opted to travel to several uncharted destinations, and we have always managed to efficiently arrange a trusted reception staff locally to provide a seamless and quality travel experience.

#### 5. Green Aviation appears to be the future, how is Sino Jet preparing for this?

Sino Jet actively answered the call for a Green Aviation strategy. Over the past few years, we have adopted several measures to reduce greenhouse gas emissions, such as the launch of energy conservation and emission reduction initiatives to our employees, establishing a paperless office, and the use of electronic flight bags (EFBs).

Recently, have imported our own Dassault Falcon 7X business jet from France, and we successfully achieved a "carbon neutral" flight in the delivery process by taking low-carbon emission reduction measures and offsetting China Certified Emission Reductions. It was the first "Carbon Neutral" flight in the history of business aviation in China.

Looking ahead, Sino Jet will continue its commitment with its advocated business jet information management method, working closely with its carbon management consultant to formulate a "carbon management" system to achieve better energy conservation and emission reduction scientifically, through standardisation, and quantifiable and traceable methods. Sino Jet will soon be launching "carbon neutral" flight services, bringing the "green flight" option to the consumers and the industry. As a fulfilment of its corporate social responsibility, Sino Jet wishes to continue to lead more business jet users and partners to accelerate their pace of carbon neutrality.





Dassault very much has Asian customers in its mind for its new business jets. The French manufacturer, which also builds the Rafale fighter, is focusing on large, comfortable cabins in aircraft that can fly long distances, which are the top criteria for customers in China and elsewhere.

The company also wants its customers to know that comfort and capability come with technologies derived from the fighter jet side of the business. These include advanced fly-by-wire systems; all-seeing enhanced vision systems for operation in any weather; and military grade safeguards such as fuel tank inerting to prevent sparks.

It's a unique approach aimed at delivering rugged, reliable aircraft that still feel like flying penthouses.

The 5,500 nm (10,200 km) Falcon 6X exemplifies this philosophy.

The 6X was designed for long-range comfort with the tallest and widest cabin its class, six feet six inches tall (1.98 meters) by eight feet six inches wide (2.58 meters). In fact, until the introduction of the larger 10X, it will have the widest cross-section of any business jet, allowing customers to create unique cabin arrangements that provide exceptional comfort whilst crossing many time zones.

The flight test program for the 6X is on schedule, and certification is due before the end of the year. As of this writing, one test aircraft is in Iqaluit, Canada in the Arctic Circle

undergoing "cold soak" testing, seeking temperatures down to -40°C. The 17-person test team reports being really cold, but very satisfied with the aircraft's performance.

Test pilots have flown five examples of the aircraft for more than 600 hours, expanding the flight envelope from the slowest speeds (the aircraft can land as slowly as 109 knots) to the fastest. They've performed stalls in all sorts of weight and balance combinations, landed with high crosswinds and tailwinds, mapped a completed cabin for sound and for temperature variations, and performed hundreds of other tests.

Their consensus is that the 6X has delightful flight characteristics, even in comparison with other Falcon models, a line known for precise handling. The 6X has the most advanced fly-by-wire system in a Falcon to date, which helps explain the pilot accolades. Previous fly-by-wire versions controlled ailerons, elevators and the rudder. The 6X controls all moving surfaces, including a new control device known as a flaperon, which aids in the steep approaches required at some airports.

Last December, the aircraft operated for a week from Dassault's Paris-Le Bourget FBO, where it was fueled with a sustainable aviation fuel (SAF) blend from TotalEnergies. The 6X can be operated on up to 50 percent SAF. Sustainability has become a major objective for many of Dassault's customers' flight departments.

Meanwhile, detailed design is nearly complete for the 10X, indisputably the largest and most advanced purpose built business jet. The 10X has been designed to compete at the very top of the business jet market, with a range of 7,500 nautical miles (13,900 km) and a maximum speed of Mach .925. The cabin dimensions create new possibilities for highly customized environments where passengers can be at home on trips up to 15 hours.

For example, aft staterooms of various lengths can be designed and can be equipped with a true queen-size bed, something that is not feasible in other ultra-long-range jets. Cabin dividers can be spaced according to owner preference, creating an extra-large dining area, for example, or a small, intimate TV room with a popup large screen opposite a divan.

The 10X cabin is eight inches wider than the next largest cabin, which happens to be the 6X and height is six feet, eight inches (2.03 meters), the tallest in the industry. Cabin volume is approximately 15 percent greater than ultra-long-range competitors.







As big as it is, the 10X will continue the Falcon tradition of providing access to smaller reliever airports and will also have steep approach capabilities for challenging fields such as London City Airport. Takeoff distance is less than 6,000 feet and landing distance is less than 2,500 feet."



The 10X adds even more capability to the digital flight control system. Though it has two engines, it has one Smart Throttle to control them, simplifying power management. The Smart Throttle is linked to a groundbreaking automatic recovery mode that protects against a wake turbulence encounter or other upset scenario. This system was pioneered on the Rafale fighter.

The 10X will be powered by 18,000-pound thrust Rolls Royce Pearl 10X engines, the most recent and powerful in the ultra-efficient

Pearl family. The 10X will break new ground in being 100-percent SAF capable.

The first parts for the 10X will be manufactured in 2022. Dassault expects entry into service for its new flagship in 2025.

www.dassaultfalcon.com





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<sup>1</sup>Artistry - a dedication to the details that shape flight in its smoothest form. Aircraft Management, Charter, Completions, FBO, Maintenance, Staffing.



## GLOBAL PRE-OWNED MARKET UPDATE

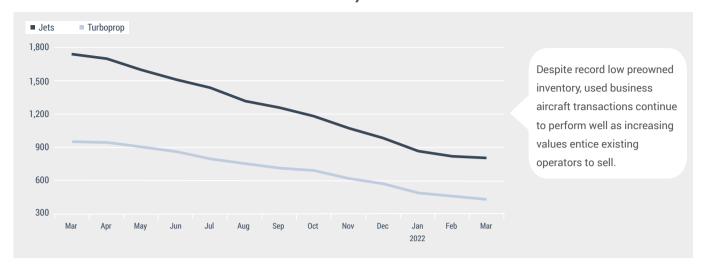
"With preowned inventory so low and resale retail transactions continuing to outperform, good aircraft are selling quickly, and buyers have no choice but to pay a premium if they want to win the desired aircraft."

"As to the whether the momentum of 2021 continues throughout 2022, the sad and tragic events in Ukraine are the wild card as it remains to see how things fully play out. Assuming we don't see a broader European conflict, we would anticipate seeing robust demand and higher values continuing through the end of 2022."

-Andrew Young, AMSTAT General Manager



#### **BUSINESS JETS & TURBOPROPS FOR SALE / LEASE**



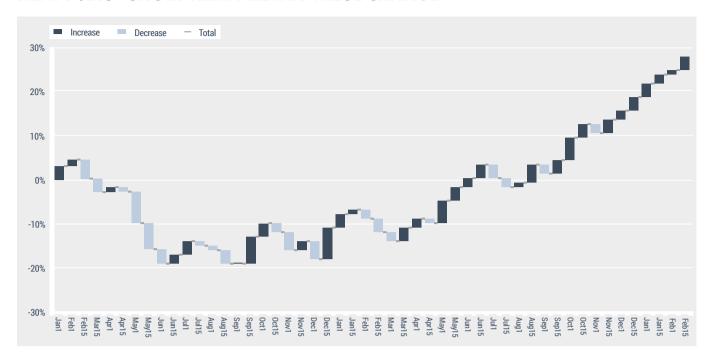
#### **BUSINESS JETS - RESALE RETAIL TRANSACTIONS**



#### **BUSINESS TURBOPROPS - RESALE RETAIL TRANSACTIONS**



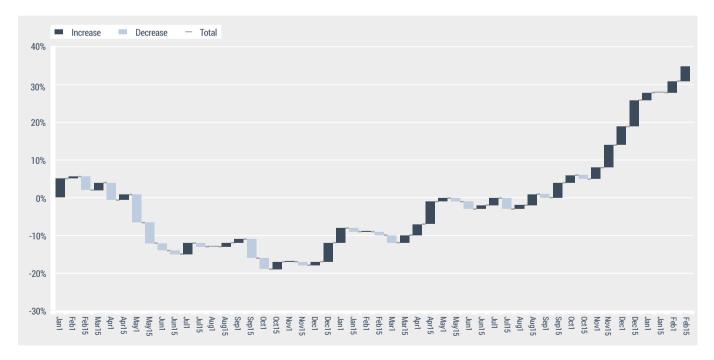
#### **HEAVY JETS - SHORT TERM MEDIAN VALUE CHANGE**



Over the past 12 months the median value of Heavy Jets has risen 34%. This metric is now up 28% since the start of 2020 and up 9% year-to-date. The overall positive direction of values has been driven by demand with a 28% increase in resale retail transactions

in 2021 over 2020 and a 39% increase ahead of 2019. At the same time the availability of preowned Heavy Jets has shrunk 56% year-over-year further adding upward pressure on what buyers are having to pay.

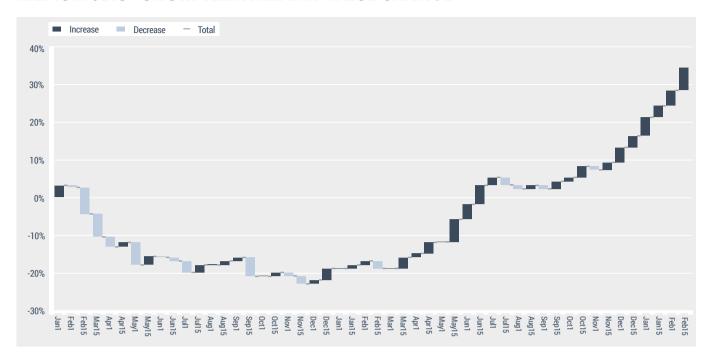
#### SUPER-MID JETS - SHORT TERM MEDIAN VALUE CHANGE



Since March 2021, the median value of Super-Mid Jets has risen up to 44%. This same metric is up 35% since the start of 2020 and up 9% year-to-date. The positive direction of values is in large part

due to the continued momentum in resale transactions, with 2021 activity up 29% over 2020 and up 66% over 2019, with a 65% drop in Super-Mid Jet resale inventory.

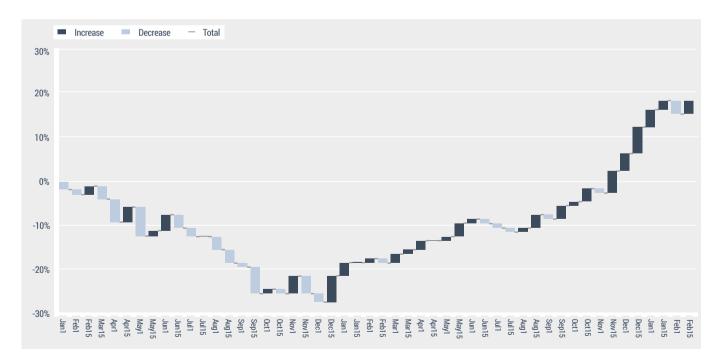
#### **MEDIUM JETS - SHORT TERM MEDIAN VALUE CHANGE**



The median value of Medium Jets has risen to 52% over the last year. This metric is now up 34% since the start of 2020 and is up 18% year-to-date. As with other jet segments this upward trend continues to be driven by high demand and low supply. Medium

Jet resale retail transaction activities in 2021 was up 19% over 2020 and up 40% over 2019. The availability of preowned Medium Jets is down 56% year-over-year.

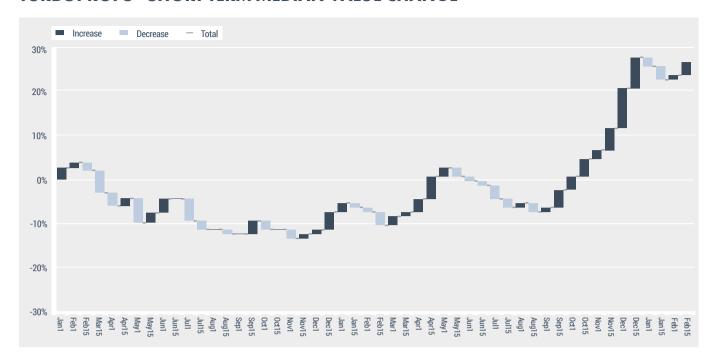
#### **LIGHT JETS - SHORT TERM MEDIAN VALUE CHANGE**



Over the past 12 months, the median value of Light Jets has risen 37%. This metric is now up 18% since the start of 2020 and is up 6% year-to-date. The positive direction of Light Jet values is in large part due to the continued buoyancy in resale retail transactions

with 2021 up 28% over 2020 and up 49% over 2019. This demand combined with a 50% drop in Light Jet resale inventory year-overyear has continued to drive values upwards.

#### **TURBOPROPS - SHORT TERM MEDIAN VALUE CHANGE**



The median value of Turboprops has risen 33% over the last 12 months. This metric is now up 27% since the start of 2020 but has remained largely unchanged year-to-date. There is no evidence that this recent plateau in values is due to a slowing of transaction

activity with Turboprop resale transaction activity in 2021 up 25% over 2020 and up 32% over 2019. As with the other markets here, options for buyers are fewer in the preowned Turboprop market with a 45% drop in available units year-over-year.

<sup>\*</sup> IMPORTANT NOTE: This chart represents aggregated data. The changes in values this year within individual make and model markets, and for specific serial numbers, may vary to a greater or lesser degree from these trends.



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# GLOBAL BUSINESS AVIATION MARKET UPDATE

**By Global Jet Capital** 

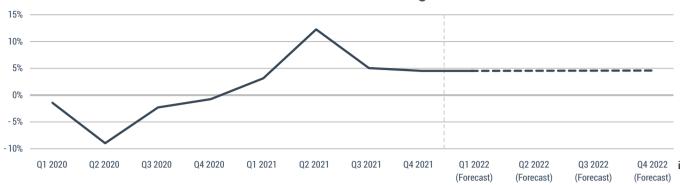
Business aviation flight and transaction activity was strong, the major OEMs reported improving results following COVID-19 related disruptions, and the pricing of pre-owned aircraft improved as inventory declined. With new users continuing to enter the market, economic growth is expected to maintain a positive trajectory, and general business activity expected to increase, the business jet market should maintain its current positive posture into 2022. Growth in Europe and Asia will further drive the market as border restrictions ease and international travel gradually resumes.

- Despite concerns related to supply chain disruptions, continued COVID-19 outbreaks, and inflation, the global economy grew at a strong pace.
- Driven by entry of new customers into the market, business jet flight operations increased substantially compared to the same period in 2020, and 22 percent compared to 2019.
- OEMs reported another strong quarter for their order books, driving up backlogs.
- With a 29 percent increase in 2021 compared to 2020, the value of pre-owned transactions drove the overall business jet transaction market, which grew 14 percent compared to the same period in 2020.
- · Inventory levels continued to decline and remained at historic lows.
- Limited supply and continued demand have given business jet sellers additional bargaining power, resulting in broad-based strength in bluebook values.



#### **GLOBAL ECONOMY**





With GDP increasing 4.2 percent, the global economy experienced strong growth in Q4 2021, capping a strong 2021. Economists credit decisive government action and declining COVID-19 infection rates for the strong economic performance in 2021. Still, threats remain for future growth including continued COVID-19 outbreaks (driven by virus mutations), supply chain disruptions, and inflation. While COVID-19 continues to threaten economic growth, the global vaccine campaign continued to make progress with over

9.9 billion vaccinations administered globally by mid-January 2022<sup>ii</sup>. Furthermore, supply chain disruptions began to moderate by the end of 2021, with further improvements expected through 2022. As supply chains improve, manufacturers will meet demand from consumers, easing pressure on inflation. Central banks are also expected to increase interest rates in 2022, further slowing inflation. With all of these factors taken into account, the economic outlook for 2022 remains strong, despite threats.<sup>iii</sup>

#### **FLIGHT OPERATIONS**

641.903

20 5%

70.5%

Q1 2020

761.373

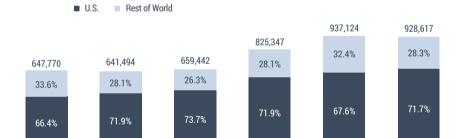
29.5%

70.5%

Q4 2019

#### **Global Business Jet Flights**

Q4 2020



Q2 2021

Q3 2021

Q4 2021

iν

Q1 2021

Business jet flight operations have recovered from pandemic lows and have now surpassed 2019 levels. In 2021, global flight operations were 8.8 percent above levels seen in 2019. Although flights declined sequentially in Q4 2021, they were 22 percent higher than Q4 2019 — the last full quarter before COVID-19 became widespread globally. With more than 3.3 million flights globally in 2021, business jet operators flew more sectors than in any previous year on record.

357,623

27.0%

73.0%

Q2 2020

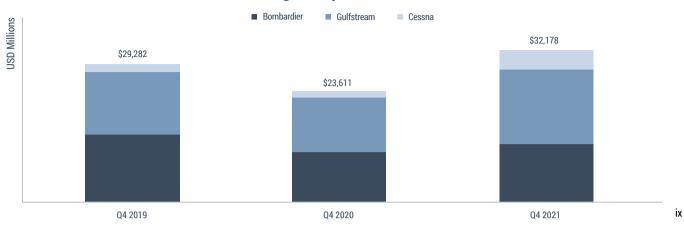
Q3 2020

This increase in demand, driven by the entry of new customers into the market, has benefited business jet operators and manufacturers alike. Vi One study found that flying privately can reduce almost 700 "person-to-person" touchpoints compared to a commercial flight, a major selling point for the industry. Vii

Although many people began using business aviation to avoid potentially crowded airports, a substantial number are expected to continue to utilize business aviation as they become accustomed to the safety, comfort, convenience, and productivity that come with flying aboard a business aircraft. In a recent survey of business jet users, 97 percent of all respondents indicated that they would use business aviation as much as or more than they did prior to COVID-19. Of the respondents who started using business aviation during the COVID-19 pandemic, nearly all said they would use business aviation at least some of the time after the pandemic is over, with 53 percent saying they would use it regularly. The business aviation market will further benefit as large corporate business travel returns, driving continued growth in business jet flight operations.

#### **OEM BACKLOGS**

#### **Q4 Backlog at Major Business Jet OEMs**



Dassault and Embraer have not reported as of publication

Strong demand for business jets drove robust orders for new aircraft in Q4. With orders surpassing revenue, the industry-wide book-to-bill ratio was 1.3-to-1 and backlogs increased to \$32.2 billion - a 36.3 percent increase from a year earlier. The rising backlogs have increased lead times for new aircraft, improving

flexibility and manufacturing efficiency for many OEMs. Orders for new aircraft are being driven by new users to the business jet market, habitual pre-owned buyers ordering new aircraft due to low pre-owned inventory, typical replacement and trade up patterns, and fleet operators who are experiencing demand for their services.

#### TRANSACTIONS (\$ VOLUME)

#### **Business Jet Transactions, 2019-2021**



Note that 2021 figures are based on preliminary data and may increase as more transactions are reported.

In 2021, new and pre-owned transaction dollar volume increased 13.8 percent compared to 2020 and increased 5 percent compared to 2019. The recovery in business jet transactions is being led by the pre-owned market, which increased 29.2 percent in 2021 from a year earlier and 34.2 percent from 2019.

The number of pre-owned transactions increased despite low inventory (which can reduce selection for buyers), demonstrating both strong demand and buyers' resourcefulness in finding aircraft when relatively few options exist on the market. Strong demand drove the number of 2021 pre-owned transactions to the highest

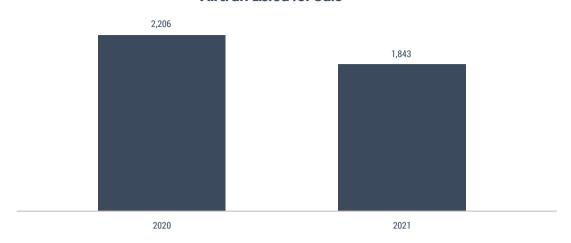
level on record. It remains to be seen if transactions can continue at these high levels with continued diminishing inventory levels.

During the early stages of the pandemic, many manufacturers reduced production due to supply chain issues and anticipated reductions in demand. In response to strong order activity, deliveries in 2021 were 0.9 percent higher than in 2020. However, production remained about 15 percent below 2019 levels as manufacturers gradually increased production rates. Some manufacturers expect to return to 2019 production levels in 2022.

Х

#### **FOR SALE INVENTORY**

#### **Aircraft Listed for Sale**

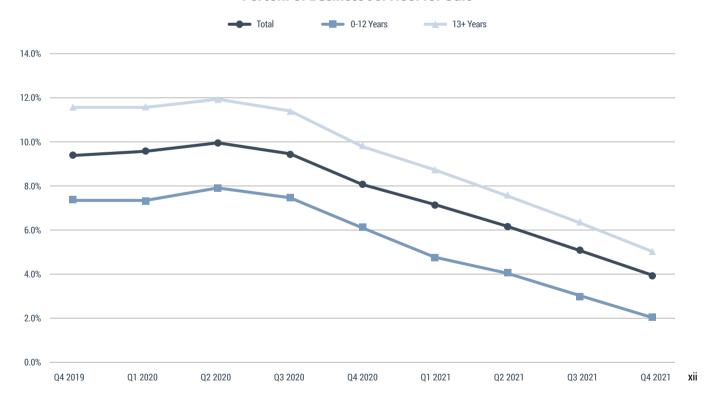


The number of aircraft listed for sale started to decline in late 2020 as owners held onto their business jets during COVID-19. That trend continued throughout 2021, with listings 16.5 percent lower than in 2020. In 2020, the average number of aircraft listed for sale per week was 45 and that declined to 35.4 in 2021. There is growing

evidence that many pre-owned aircraft are being sold prior to being listed, meaning transactions can continue despite low listings and inventory. Listings may remain low until new deliveries begin to pick up, driving owners to market current aircraft once they take delivery of new aircraft.

хi

#### **Percent of Business Jet Fleet for Sale**

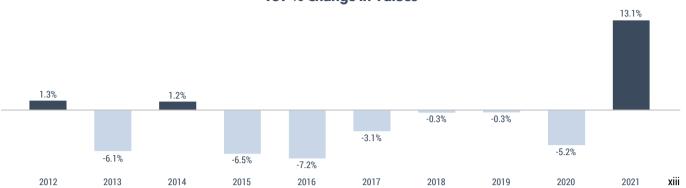


Strong pre-owned transactions and fewer aircraft listings led to declining business jet inventory in 2021. At the end of the year, inventory stood at 3.7 percent of the total fleet – lower than at any time during the last two years and representing an all-time

low. Furthermore, inventory of aircraft younger than 13 years old (typically seen as more desirable) was only 1.9 percent of the global fleet.

#### **RESIDUAL VALUE**





The above chart compares the year-over-year percentage change in the bluebook value of like-aged aircraft over time (e.g., the difference between the value of an eight-year-old aircraft from one year to the next). Global Jet Capital analyzes a basket of aircraft as a proxy for the overall market. Observed increases or decreases in value are not necessarily applicable to any specific aircraft make/model. For the value of a specific aircraft, please contact a licensed aircraft appraiser.

Business jet bluebook values have increased since lockdowns and other COVID-19 measures began easing up. Overall values climbed 13.1 percent on average compared to a year ago, with prices having appreciated even more in some cases. On a model-by-model basis, values varied, with some aircraft outperforming others in the market.

With recent increases, like-aged aircraft values have recovered to near pre-COVID levels and have even exceeded them in some cases. On an absolute basis the current values have returned to, or even exceeded in some cases, pre-COVID forecasts based upon historical depreciation rates. As such, business aircraft values have performed better than they did during the 2008 financial crisis and the 2016 decline in commodity values.

Though the world remains in a fluid situation, users of business jets are enjoying the comfort, convenience, and productivity that these assets provide. As a result, owners held onto their aircraft while new buyers entered the market. Disciplined production rates by major OEMs have added to the sellers' market. While prices can fluctuate model by model and deal by deal, reports have emerged of buyers offering high premiums to get quality aircraft. Whether the current situation continues beyond 2021 depends on both strong demand and low supply continuing.

#### CONCLUSION

The business jet industry demonstrated the strong market dynamics that have developed over the previous years - including production discipline and steady demand growth.

The second half of 2020 saw the industry enter a period of strong growth and demand which continued throughout 2021. Led by the entrance of new users, business jet flights have increased compared to 2020 and 2019 levels. Pre-owned transactions continued at a high level and inventory declined to a new historic low, a further sign of

robust demand. Orders for new aircraft have also remained healthy, with manufacturers reporting active order books and increasing backlogs. Strong demand and low inventories have led to broadbased price strength.

Thanks to an improving economy, increasing business activity, and new users entering the market - who are expected to stay - demand for business aviation flights and business jets themselves are expected to remain strong in 2022.

Oxford Economics, Il Hannah Ritchie, Esteban Ortiz-Ospina, Diana Beltekian, Edouard Mathieu, Joe Hasell, Bobbie Macdonald, Charlie Giattino, Cameron Appel, Lucas Rodés-Guirao and Max Roser (2020) - "Coronavirus Pandemic (COVID-19)". Published online at OurWorldInData.org. Retrieved from: https://ourworldindata.org/coronavirus [Online Resource]. "Oxford Economics, \* WingX and Global Jet Capital Analysis, \* Aviation International News, \* The Weekly of Business Aviation | Aviation Week Network, 🐃 Private Jet Card Comparisons, 🗵 Company financial reports. Dassault and Embraer have not reported as of publication time and are not included in this analysis. 🌂 JetNet and Global Jet Capital analysis. Units are in parentheses, zi Amstat and Global Jet Capital Analysis, zii JetNet and Global Jet Capital Analysis, zii Aircraft Bluebook and Global Jet Capital Analysis



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# PRE-OWNED MARKET SPOTLIGHT CHALLENGER 300 & 350

Market Analysis by Bowen Zhang



#### HISTORY AND MODEL INTRODUCTION

During the late 1990s there were arguably only three categories of business jets: Small, Mid-size and Large. However, over the past 20 years this has changed, as manufacturers looked to fill in the gaps in-between the categories. These we have Heavy, extralarge, corporate airliners, Ultra-long-range and the longer-than-Ultra-long-range categories introduced to the market.

But when the Bombardier Continental, as the Challenger 300 was originally known, was first introduced in 1999 it had a larger cabin than the existing Mid-size cabin aircraft, but with and airframe and weight that did not fit into the "Large" category. Not wanting to class it as a Mid-size, Bombardier decided to call the aircraft "Super Mid-size", as a way to differentiate it from smaller Mid-size aircraft.

The Challenger 300 has a large and beautiful flat floor cabin, with a rear baggage compartment that is accessible in-flight. In its normal configuration the Challenger 300 carries eight passengers, which makes it ideal for both corporate and family use. Its cruise range is around 3,100 nautical miles (5,741 kilometers) at a speed of Mach 0.8. At launch it was priced at USD\$18 million – which was around the same price as its competitors.

The Challenger 300 is powered by a pair of Honeywell HTF7000 engines, which have high thrust power. This gives the aircraft a significant advantage with the distance that it needs to takeoff or land, which has been welcomed by many travelers (and their pilots) as the Challenger 300 can access airports with smaller runways.

The Honeywell MSP maintenance program that is offered with the aircraft has proven to be a cost-effective factor, as it reduces the aircraft's operating costs, maintenance downtime and helps preserve the residual value. Having the aircraft enrolled on the MSP program has made a big difference to the resale value of the Challenger 300.

The updated Challenger 350 was first revealed in 2013. Compared to the 300, the Challenger 350 has a longer wingspan, larger cabin windows, and an upgraded avionics suite. The engines have also been upgraded and feature a higher thrust rating for better fuel efficiency. This increases the 350s maximum takeoff weight and adds a further 100nm in range over the 300.



In 2020, Bombardier refreshed its best-selling Challenger 350 with a modern interior design inspired by its flagship model, the Global 7500, which features high-speed Ka-band and an entirely new CMS (Cabin Management System) interface.

#### **FLEET DISTRIBUTION**

The Challenger 300 and its successor the Challenger 350 are amongst the best-selling, and most loved business jets. Its competitive operational costs and robust design make it perfect for US domestic coast-to-coast flights, and a good proportion have also found homes with operators in Europe.

#### **Fleet Distribution by Region**

Row Labels	Challenger 300	Challenger 350	Grand Total
N. America	391	316	707
W. Europe	21	55	76
S./C. America	16	14	30
E. Europe / W. Asia	10	7	17
Mid. East/Africa	7	2	9
Asia	4	3	7
Australia/Oceania	1		1
Grand Total	450	397	847

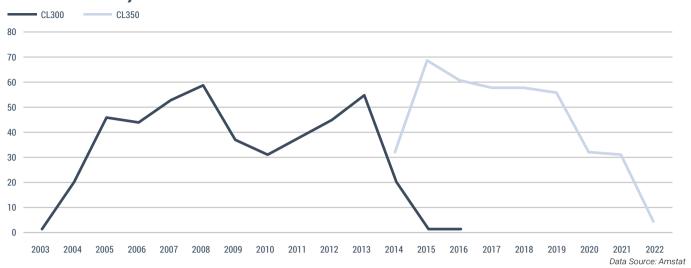
Data Source: Amstat

There was a smooth transition in deliveries when the 350 took over from the 300. A total of 70 Challenger 350s were delivered in 2015 when the 300 model was phased out of production and

delivery. The average age since delivery for a Challenger 300 is around 13 years old. For a younger 350, it is about 5 years old.



#### Fleet Distribution by Year



According to Amstat, as of May 2022, NetJets had 85 Challenger 350s in operation, making it the single largest Challenger 350 operator in the world. VistaJet currently has 21 Challenger 350s in operation. Flexjet, as the Challenger 300's launch operator, has a total of 69 Challenger 300/350s. Between them, NetJets, VistaJet and Flexjet operate around a quarter of all Challenger 300s built.

In the Asia-Pacific market, the Challenger 300 received a

lukewarm reception, as we have seen few operators favor it in the region. In the Asia-Pacific Business Jet Fleet Report YE2021, there are only two Challenger 300/350, out of 99 Bombardier aircraft in mainland China. Across the region there are only eight Challenger 300/350s in operation – in comparison there are 54 Global 6000 in the region – coast-to-coast travel has not become a common concept amongst Asian travelers, but we expect the demand for this size category to pick up in the future as we see demand for shorter range travel increasing.

#### **MARKET CONDITION**

In early 2015 the market inventory value (asking price x total listed fleet for sale) for the Challenger 300 crept above USD\$400 million, with more than 40 aircraft on sale. By January 2019, merely four years later, the inventory value dropped 60% to USD\$150 million with less than 20 aircraft available on the pre-owned market. On average there were between three to five transactions each month, which in many brokers' eyes was a good sign of recovery in the market at the time.

Pricing-wise, before COVID-19, the market supply for the Challenger 300 series was quite active. The average asking price for a Challenger 300 before COVID-19 was stable at around USD\$10 million, with lots of aircraft in the five-to-ten-year range available.

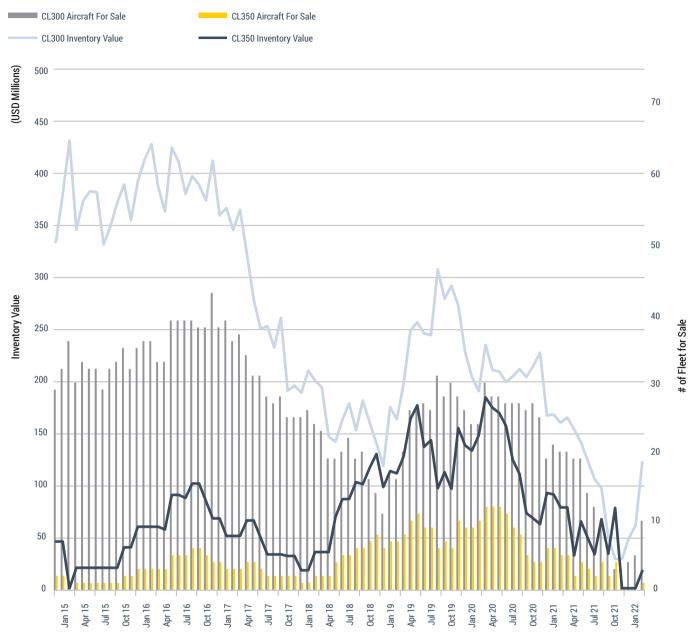
The pandemic certainly stimulated the pre-owned market, as it has brought awareness to wealthy and corporate users about the benefits of flying on business jets, especially as travel restrictions have helped stimulate very healthy charter demand, as well as the current frenzy in the pre-owned market.

Given the Challenger 300s characteristics and market reserve, it has easily become one of the most pursued models on the preowned market. Although the original Challenger 300 is now out of production and has an aging fleet, the average asking price has still increased since mid-2020 due to high market demand. The same also happened to the Challenger 350. It was very hard to find an available Challenger 350 between Q4 2021 to Q1 2022.

The percentage of the Challenger 300 fleet for sale has dropped to just ten aircraft, equivalent to around 2% of all Challenger 300s produced. In a balanced market the percentage available would be around 8-10%, so it would be fair to say that the Challenger 300 series is very well favored in the market.

Bombardier has announced a further upgrade called the Challenger 3500. With the original Challenger 300 series doing so well it's hard to see how the 3500 will not be a big seller. Having said that, it is hard to go wrong with either a pre-owned or a brand-new aircraft, since for the Challenger 300 series, it is truly an icon of the industry.

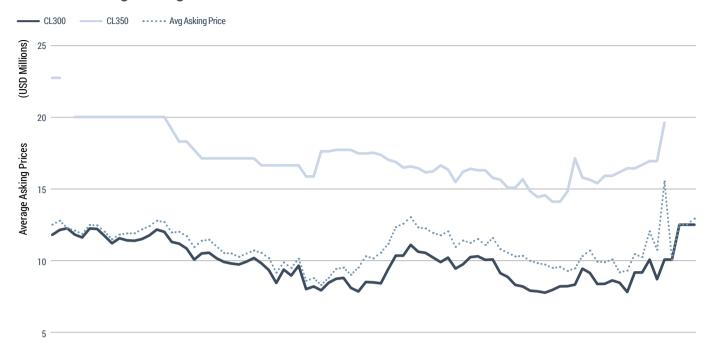
#### Pre-owned Market Inventory Value: Challenger 300 vs. 350



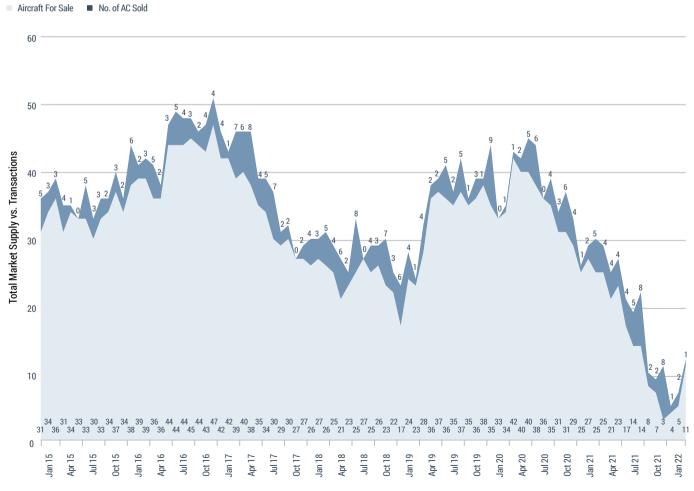
Data Source: ASG and Amstat



#### **Historical Average Asking Price Trend**



#### **Market Supply and Demand Trend**



Data Source: ASG and Amstat

# MARKET DYNAMICS

BUSINESS JET AND
CIVIL HELICOPTER
PRE-OWNED MARKET
2022 Q1



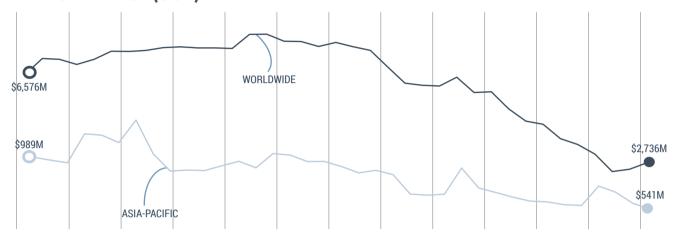
#### **PRE-OWNED BUSINESS JET MARKET Q1 2022**

#### **Understanding the market dynamics graphs:**

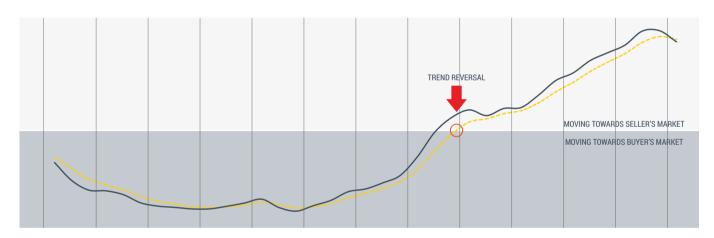
The **Inventory Value Line** represents the number of aircraft actively being marketed for sale in USD terms.<sup>1</sup>

The Signal Line represents an indication of where the market's direction may be heading in the future.

#### **INVENTORY VALUE (USD)<sup>2</sup>**



#### MARKET TREND<sup>2</sup> WORLDWIDE

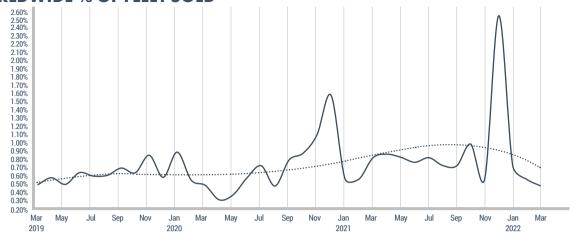


#### **AIRCRAFT TRANSACTIONS<sup>2</sup> WORLDWIDE**

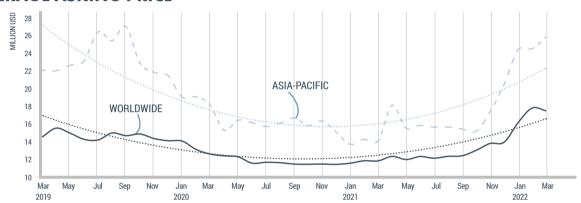


- 1 ASM's Inventory Value line is calculated by taking the total number of aircraft for sale from a selection of 39 different models, multiplied by their average asking prices.
- 2 The historical inventory value and transactions are subject to change based on latest market information updates.

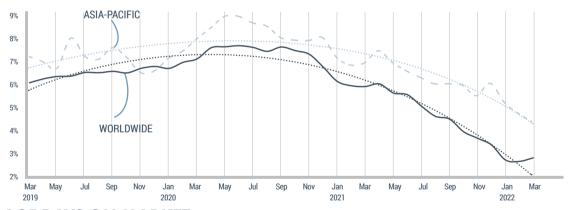
#### **WORLDWIDE % OF FLEET SOLD**



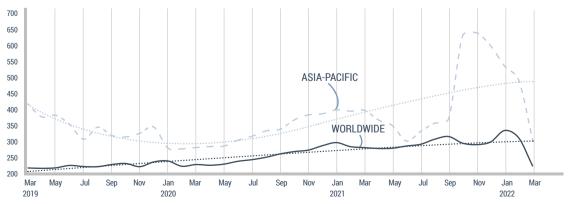
#### **AVERAGE ASKING PRICE**



#### % OF FLEET FOR SALE

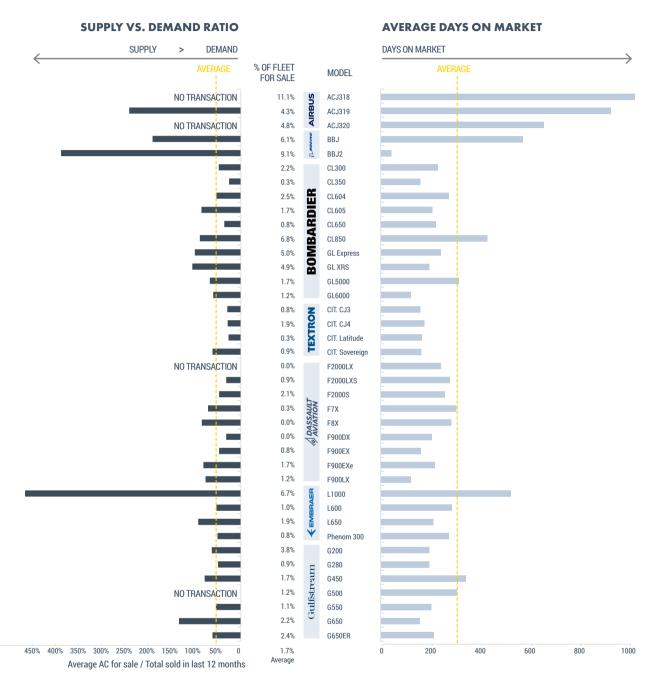


#### **AVERAGE DAYS ON MARKET**



#### **SUPPLY / DEMAND INDICATORS**

#### **BUSINESS JETS**



The above chart reflects where certain aircraft models are positioned in terms of supply and demand (based on a ratio of completed transactions compared to the number of sellers and the average number of days on the market for a transaction to take place).

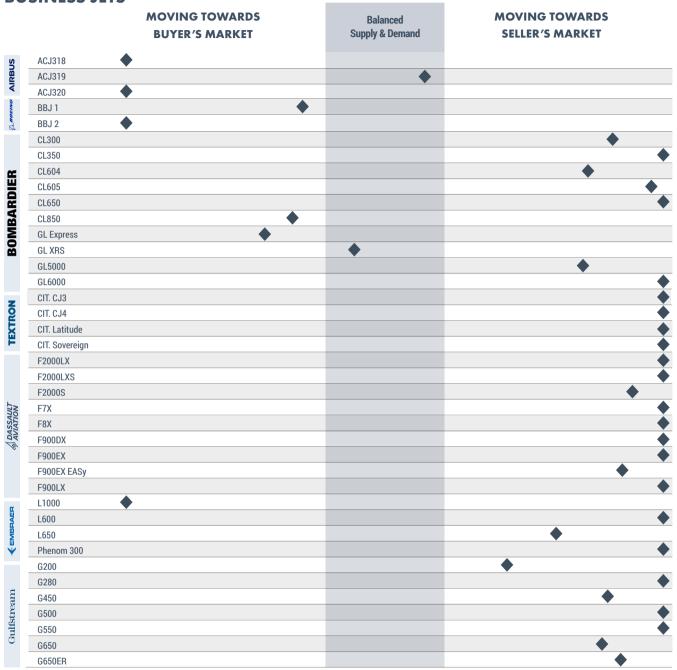
For some model types, given the market indicators shown on the previous page, the stabilization in pre-owned asking prices and decline in inventory level appear to have stimulated increased demand, leading to an increase in transactions and a more balanced state of supply and demand.

These indications do not necessarily mean that prices will be higher in the future, but it does indicate that sellers of these particular models are more likely to find willing buyers in a shorter period of time than on average.

This can be seen the most with certain Gulfstream (G200, G450, G550, G650), Bombardier (Challenger 604/605 & Global 5000) and Dassault Falcon models (2000 Series and 7X), where more transactions are occurring relative to the number for sale, and transactions are requiring less time on the market for sellers to complete.

#### **MARKET POSITIONING**

#### **BUSINESS JETS**



The above chart provides a visual representation of the supply / demand ratio of each aircraft model relative to the overall market, and is based on a 'Marketability' calculation for each particular model including the following four market indicators:

- 1. The percentage of aircraft for sale relative to its fleet size.
- 2. The number of aircraft sold relative to the average number for sale.
- 3. The average days for sale relative to the overall market average.
- 4. The momentum of the marketplace (represented by the trend towards supply and demand market equilibrium portrayed earlier).

When taking into account these four factors, most of the large and medium sized jets, such as the Challenger 600, Falcon 2000 & 900 Series, as well as various Gulfstream models, appear better positioned to find buyers available, compared to corporate airliner models.

\* Since 2019 Q3, ASM expanded its market research scope to include 39 business jet models including light jet models as described in the report.

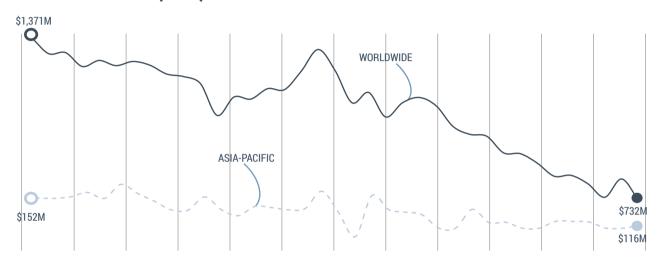
#### PRE-OWNED HELICOPTERS MARKET Q1 2022

#### **Understanding the market dynamics graphs:**

The Inventory Value Line represents the number of aircraft actively being marketed for sale in USD terms.<sup>1</sup>

The Signal Line represents an indication of where the market's direction may be heading in the future.

#### **INVENTORY VALUE (USD)<sup>2</sup>**



#### MARKET TREND<sup>2</sup> WORLDWIDE



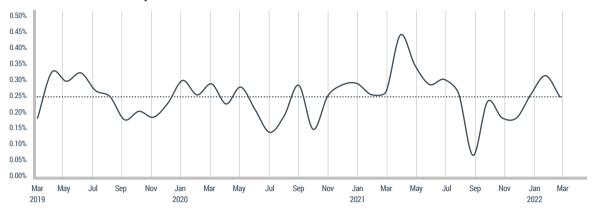
#### **AIRCRAFT TRANSACTIONS<sup>2</sup> WORLDWIDE**



<sup>1</sup> ASM's inventory value line is calculated by taking the total number of aircraft for sale from a selection of 39 different models, multiplied by their average asking prices.

<sup>2</sup> The historical inventory value and transactions are subject to change based on latest market information updates.

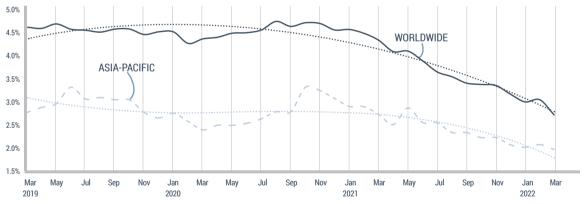
#### % OF AIRCRAFT SOLD / TOTAL AIRCRAFT IN OPERATION



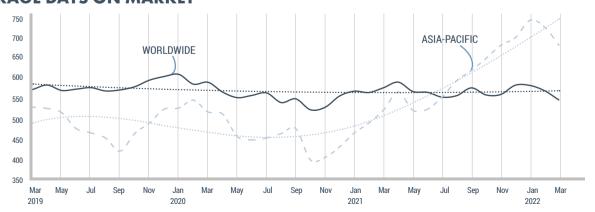
#### **AVERAGE ASKING PRICE**



#### % OF AIRCRAFT FOR SALE

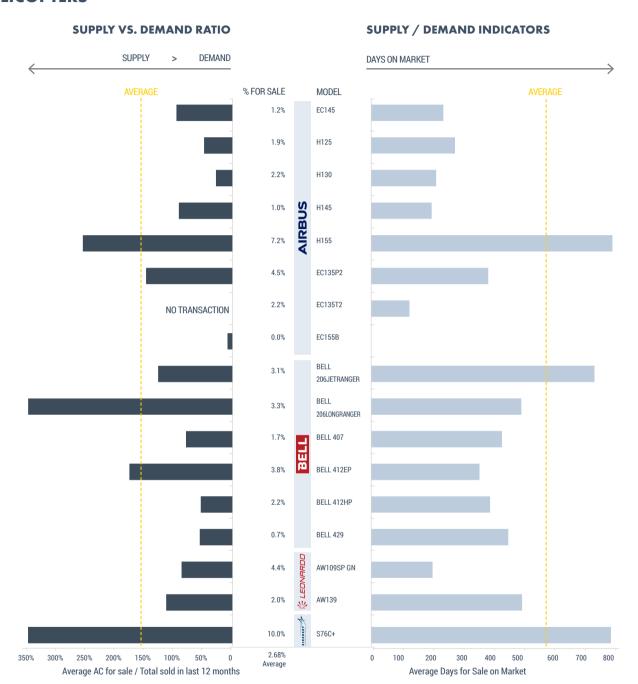


#### **AVERAGE DAYS ON MARKET**



#### **SUPPLY / DEMAND INDICATORS**

#### **HELICOPTERS**



The above chart reflects where certain aircraft models are positioned in terms of supply and demand (based on a ratio of completed

transactions compared to the number of sellers, and average number of days on the market for a transaction to take place).

# **MARKET POSITIONING**

#### **HELICOPTERS**



The above chart provides a visual representation of the supply / demand ratio of each aircraft model relative to the overall market, resulting in a 'Marketability' calculation of each particular model based on the following four market indicators:

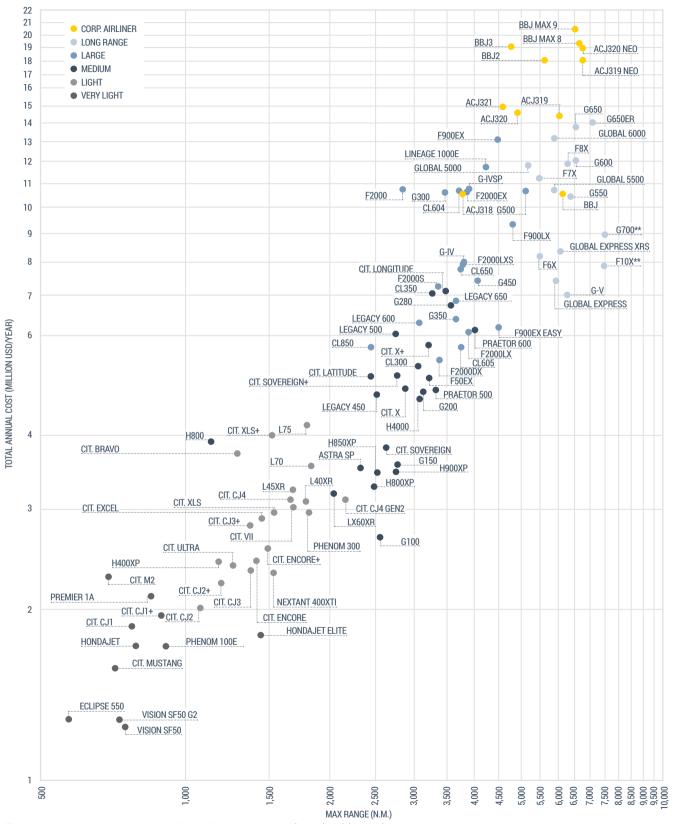
- 1. The percentage of aircraft for sale relative to its fleet size.
- 2. The number of aircraft sold relative to the average number for sale.
- 3. The average days for sale relative to the overall market average.
- 4. The momentum of the marketplace (represented by the trend towards supply and demand market equilibrium portrayed earlier).



# MARKET SUMMARY

BUSINESS JETS 2022 Q1

# AIRCRAFT POSITIONING AIRCRAFT ACQUISITION VS. MAX RANGE



<sup>\*</sup>Total yearly cost estimated using includes Conklin & de Decker industrial cost figures (2021) for aircraft acquisition cost on 10 years, plus yearly operating cost. \*\*Under development, preliminary data provided by OEM.

('xx) - Year aircraft model ceased production.

Source: Conklin & de Decker

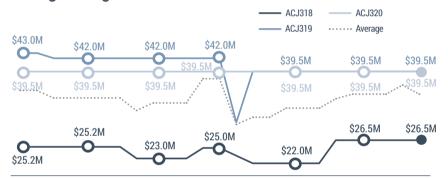
# MARKET SUMMARY PER MODEL

# **INVENTORY LEVEL, PRICE TREND & TRANSACTIONS**

## **ACJ318, ACJ319 & ACJ320**

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>ACJ318</b> 4,253 N.M. / 7,877 km Mach 0.82 19		<b>ACJ319</b> 6,000 N.M. / 11 Mach 0.82 19	6,000 N.M. / 11,112 km Mach 0.82		723 km
SUPPLY No. for Sale Avg Asking Price Avg Days on Market	Mar 2 (11.1%) 26.5M USD 180	Dec 2 (11.1%) 26.5M USD 573	3 (4.3%) 39.5M USD 215	Dec 3 (4.3%) 39.5M USD 572	Mar 1 (4.8%) 39.5M USD 1,206	Dec 1 (4.8%) 39.5M USD 1,296
TRANSACTION Past 12 Months Past 3 Months	Mar 0 0	Dec 0 0	Mar 2 0	Dec 2 0	Mar 0 0	Dec 0 0

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

#### ACJ318

- = Transaction Level (Past 12 Months)
- = Inventory Level
- Average Asking Price
- Average Days on Market

#### ACJ319

- = Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### **ACJ320**

- = Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- ♠ Average Days on Market



#### BBJ & BBJ2

#### **PERFORMANCE** BBJ BBJ2 Max Range 6,235 N.M. / 11,547 km 5,620 N.M. / 10,408 km Max Speed Mach 0.82 Mach 0.82 Typ. Passengers 19 19 **SUPPLY** Mar Dec Mar Dec No. for Sale 8 (6.1%) 9 (6.8%) 2 (9.1%) 2 (13.6%) Avg Asking Price 38.0M USD 15.5M USD 29.0M USD 29.0M USD Avg Days on Market 262 315 238 150 **TRANSACTION** Mar Dec Mar Dec Past 12 Months 8 4 1 0 Past 3 Months 4 3 1 0

#### **Average Asking Price**

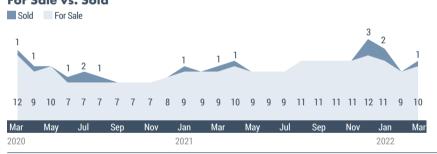


#### **Market Indicators (vs. Last Quarter)**

#### **BBJ**

- Transaction Level (Past 12 Months)
- Inventory Level
- **Average Asking Price**
- Average Days on Market

## For Sale vs. Sold



# BBJ2

- Transaction Level (Past 12 Months)
- Inventory Level
- = Average Asking Price
- Average Days on Market

Source: AMSTAT & ASG

#### **FEATURED AIRCRAFT**



# BBJ 787-8

# TOTAL HOURS: DELIVERY HOURS TOTAL CYCLES: DELIVERY CYCLES

- Interior completed 2019
- Brand new aircraft with delivery hours & cycles only
- One of the longest ranged business jet capable of flying 16 hours non-stop
- 39 Passenger vvip configuration, with 2,415 square feet (224 square meters) living space including: a master suite, vip lounge, dining lounge, business class, fwd & aft galley, crew rest area and a gym.
- · Aero H+ Satcom w/ Ku-Band high speed internet
- State-of-the-art avionics, including: new, latest generation FMC; SELCAL, ADS, FANS-1 & CPDLC; dual head-up displays; weather radar, TCAS & TAWS; approved for GLS II approaches

# **CHALLENGER 300 & 350**

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>CL300</b> 3,340 N.M. / 6,185 km Mach 0.82 19		<b>CL350</b> 3,421 N.M. / 6,335 kr Mach 0.82 19	m
SUPPLY	Mar	Dec	Mar	Dec
No. for Sale	10 (2.2%)	3 (0.7%)	1 (0.3%)	0 (0.0%)
Avg Asking Price	12.3M USD	9.8M USD	16.9M USD	0.0M USD
Avg Days on Market	168	429	5	0
TRANSACTION	Mar	Dec	Mar	Dec
Past 12 Months	41	37	17	16
Past 3 Months	4	9	1	7



#### **Market Indicators (vs. Last Quarter)**



- Transaction Level (Past 12 Months)
- 1 Inventory Level
- ♠ Average Asking Price
- Average Days on Market



#### **CL350**

- ↑ Transaction Level (Past 12 Months)
- 1 Inventory Level
- = Average Asking Price
- Average Days on Market



# **CHALLENGER 604, 605 & 650**

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>CL604</b> 4,027 N.M. / 7,4 Mach 0.82 9	458 km	<b>CL605</b> 4,123 N.M. / 7,6 Mach 0.82 9	335 km	<b>CL650</b> 4,123 N.M. / 7,6 Mach 0.82 10	335 km
SUPPLY	Mar	Dec	Mar	Dec	Mar	Dec
No. for Sale	9 (2.5%)	11 (3.1%)	5 (1.7%)	3 (1.0%)	1 (0.8%)	3 (2.6%)
Avg Asking Price	7.8M USD	5.3M USD	12.9M USD	7.5M USD	16.8M USD	18.0M USD
Avg Days on Market	148	286	83	171	23	85
TRANSACTION						
Deat 10 Menths	Mar	Dec	Mar	Dec	Mar	Dec
Past 12 Months	54	44	25	22	11	4
Past 3 Months	10	14	3	12	7	1

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

#### CL604

- ↑ Transaction Level (Past 12 Months)
- Inventory Level
- ♠ Average Asking Price
- Average Days on Market

#### CI 605

- ↑ Transaction Level (Past 12 Months)
- 1 Inventory Level
- Average Asking Price
- Average Days on Market

#### **CL650**

- ↑ Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market



# **CHALLENGER 850**

#### **Average Asking Price**



#### For Sale vs. Sold





#### Market Indicators (vs. Last Quarter)

↑ Transaction Level (Past 12 Months)

= Inventory Level

♠ Average Asking Price

Average Days on Market

### **PERFORMANCE**

Max Range Max Speed Typ. Passengers

6.750 N.M. / 12.501 km Mach 0.87

18

# SUPPLY

No. for Sale Avg Asking Price Avg Days on Market

Dec 6 (6.8%) 6 (6.7%) **5.7M USD** 4.8M USD 167 394

#### **TRANSACTION**

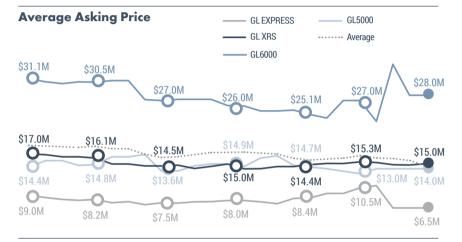
Past 12 Months Past 3 Months

12 11 1 6



# **GLOBAL EXPRESS, 5000, XRS & 6000**

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>GLOBAL 500</b> 0 5,350 N.M. / Mach 0.82	-	GLOBAL EXP 6,125 N.M. / Mach 0.82 13		GLOBAL XRS 6,226 N.M. / Mach 0.82 13		GLOBAL 6000 6,080 N.M. / Mach 0.82 13	-
SUPPLY No. for Sale Avg Asking Price Avg Days on Market	4 (1.79%) 14.0M USD 344	3 (1.3%) 14.0M USD 693	7 (6.4%) 6.5M USD 658	9 (9.9%) 11.0M USD 625	8 (4.9%) 15.0M USD 379	11 (6.8%) 15.2M USD 400	Mar 4 (1.2%) 28.0M USD 107	9 (2.8%) 22.9M USD 195
TRANSACTION  Past 12 Months  Past 3 Months	Mar 25 6	Dec 19 9	Mar 22 5	Dec 17 11	Mar 25 3	Dec 22 13	Mar 38 15	Dec 37 23



#### For Sale vs. Sold

Sold For Sale



#### Market Indicators (vs. Last Quarter)

#### **GLOBAL 5000**

- ↑ Transaction Level (Past 12 Months)
- 1 Inventory Level
- = Average Asking Price
- Average Days on Market

#### **GLOBAL EXPRESS**

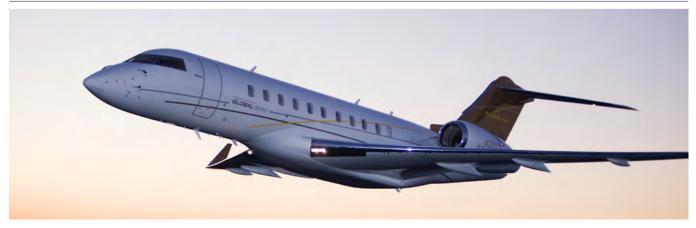
- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- ♠ Average Days on Market

#### **GLOBAL XRS**

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

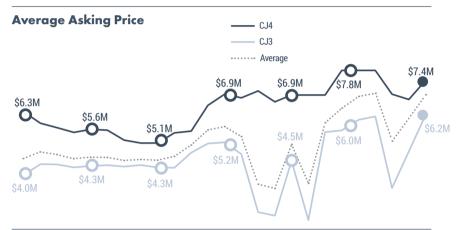
#### **GLOBAL 6000**

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market



# **CITATION CJ3 & CJ4**

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>Cit. CJ3</b> 1,891 N.M. / 3,502 km Mach 0.73 6		<b>Cit. CJ4</b> 1,991 N.M. / 3,687 km Mach 0.77 7	
SUPPLY  No. for Sale  Avg Asking Price  Avg Days on Market	Mar	Dec	Mar	Dec
	5 (0.8%)	8 (1.3%)	7 (2.2%)	8 (1.4%)
	6.2M USD	6.1M USD	7.4M USD	7.8M USD
	219	259	47	68
TRANSACTION  Past 12 Months  Past 3 Months	Mar	Dec	Mar	Dec
	80	68	39	37
	12	30	8	16



#### Market Indicators (vs. Last Quarter)



- Average Asking Price
- Average Days on Market



#### Cit. CJ4

- ↑ Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market



## **CITATION LATITUDE**

#### **Average Asking Price**

For Sale vs. Sold

Sold For Sale

2020



#### Market Indicators (vs. Last Quarter)

- ↑ Transaction Level (Past 12 Months)
- = Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers 2,870N.M. / 5,315 km Mach 0.80 9

SUPPLY
No. for Sale
Avg Asking Price
Avg Days on Market

Dec 1 (0.3%) 1 (0.4%) 11.5M USD 11.5M USD 51

# TRANSACTION Past 12 Months

Past 3 Months

Mar Dec 9 8 1 5

# **CITATION SOVEREIGN**

6 6 7 7 7 6 7 6

Nov

Jan

2021

Mar

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- ♣ Inventory Level
- Average Asking Price
- Average Days on Market

# **PFRFORMANCE** Max Range Max Speed Typ. Passengers

3,010N.M. / 5,574 km Mach 0.80 9

	SUPPLY
ı	No. for Sale
ı	Avg Asking Price Avg Days on Market
ı	Avg Days on Market

Mar	Dec
4(0.9%)	8 (4.5%)
8.0M USD	3.1M USD
186	176

# **TRANSACTION**

Past 12 Months Past 3 Months

Mar	Dec
39	34
5	17

# FALCON 900DX/EX/EX EASY/LX

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>F900DX</b> 4,100 N.M. / Mach 0.83 12	7,593 km	<b>F900EX</b> 4,500 N.M. / Mach 0.83	8,334 km	<b>F900EX EAS</b> 4,500 N.M. / Mach 0.83		<b>F900LX</b> 4,750 N.M. / Mach 0.83	8,800 km
SUPPLY No. for Sale Avg Asking Price Avg Days on Market	Mar 0 (0.0%) 0.0M USD 0	Dec 0 (0.0%) 0.0M USD 0	Mar 1 (0.8%) 10.5M USD 15	Dec 6 (5.1%) 10.5M USD 75	Mar 2 (1.7%) 14.9M USD 218	Dec 6 (5.0%) 14.9M USD 128	Mar 1 (1.2%) 19.4M USD 84	3 (3.7%) 19.4M USD 156
TRANSACTION  Past 12 Months  Past 3 Months	Mar 2 0	Dec 2 1	Mar 17 3	Dec 14 7	Mar 8 3	Dec 5 2	Mar <b>7</b> 1	Dec 6 2

F900DX

#### **Average Asking Price**



F900EX EASy

#### For Sale vs. Sold

Sold For Sale



#### Market Indicators (vs. Last Quarter)

#### **F900DX**

- = Transaction Level (Past 12 Months)
- = Inventory Level
- = Average Asking Price
- = Average Days on Market

#### **F900EX**

- Transaction Level (Past 12 Months)
- Inventory Level
- = Average Asking Price
- Average Days on Market

#### **F900EX EASy**

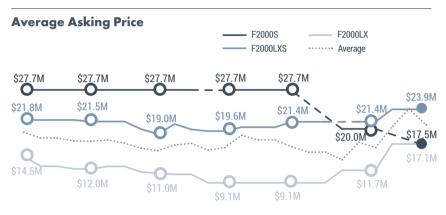
- Transaction Level (Past 12 Months)
- Inventory Level
- = Average Asking Price
- Average Days on Market

- Transaction Level (Past 12 Months)
- Inventory Level
- = Average Asking Price
- Average Days on Market



# FALCON 2000LX/LXS/S

PERFORMANCE Max Range Max Speed Typ. Passengers	<b>F2000LX</b>		<b>F2000LXS</b>		F2000S	
	4,000 N.M. / 7,408 km		4,000 N.M. / 7,408 km		3,350 N.M. / 6,208 km	
	Mach 0.83		Mach 0.83		Mach 0.83	
	10		10		10	
SUPPLY No. for Sale Avg Asking Price Avg Days on Market	Mar	Dec	Mar	Dec	Mar	Dec
	0 (0.0%)	2 (1.5%)	1 (0.9%)	1 (0.9%)	1 (2.1%)	1 (2.2%)
	17.1M USD	11.7M USD	23.9M USD	21.4M USD	17.5M USD	20.0M USD
	0	173	96	44	0	21
TRANSACTION Past 12 Months Past 3 Months	Mar	Dec	Mar	Dec	Mar	Dec
	10	8	13	10	1	0
	2	4	3	5	1	0



# For Sale vs. Sold Sold For Sale 15 16 16 17 15 15 15 20 16 15 13 8 13 11 10 10 6 Nov Jan 2020 2021

#### Market Indicators (vs. Last Quarter)

#### F2000LX

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### **F2000LXS**

- Transaction Level (Past 12 Months)
- = Inventory Level
- Average Asking Price
- Average Days on Market

#### F2000S

- = Transaction Level (Past 12 Months)
- = Inventory Level
- Average Asking Price
- Average Days on Market



# **FALCON 7X**

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed

Typ. Passengers

5.950 N.M. / 11.018 km Mach 0.90

12

Mar

24

5

**SUPPLY** 

No. for Sale Avg Asking Price Avg Days on Market Mar 1 (0.3%) 24.4M USD 21.5M USD

5 (1.7%)

Dec

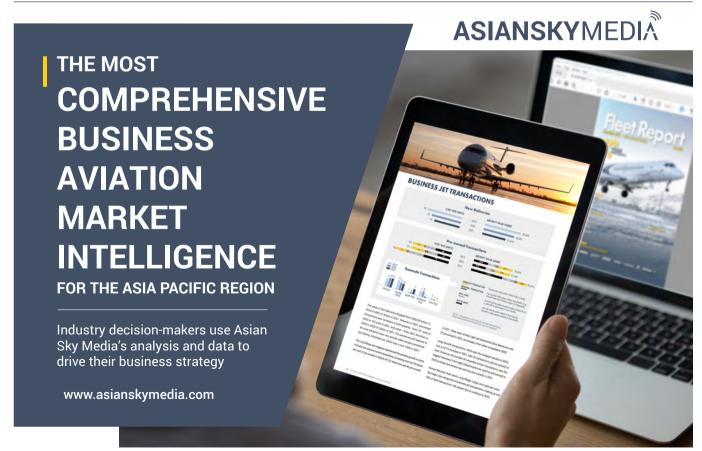
166

TRANSACTION

Past 12 Months Past 3 Months

Dec 19 12

Source: AMSTAT & ASG



Contact us at media@asianskygroup.com to learn about our marketing solutions

## PHENOM 300

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- Inventory Level
- ♠ Average Asking Price
- Average Days on Market

#### PERFORMANCE

Max Range
Max Speed
Typ. Passengers

1,242 N.M. / 2,300 km Mach 0.78

SUPPLY	
No. for Sale	
Avg Asking Price	
Avg Days on Market	

Mar	Dec
5 (0.8%)	7 (1.1%)
8.2M USD	6.8M USD
350	350

# TRANSACTION

Past 12 Months
Past 3 Months

Dec Mar 36 32 4 8

# **LEGACY 600/650**



#### For Sale vs. Sold





## Market Indicators (vs. Last Quarter)

	L600	L650
Transaction Level (Past 12 Months)	1	1
Inventory Level	1	1
Average Asking Price	1	=
Average Days on Market	1	1

PERFORMANCE	L600	L650	
Max Range	3,400 N.M.	3,640 N.M.	
	6,297 km	7,112 km	
Max Speed	Mach 0.80	Mach 0.80	
Typ. Passengers	13	13	
SUPPLY	Mar   Dec	Mar   Dec	
SUPPLY No. for Sale	Mar   Dec 2   5	Mar   Dec	
No. for Sale	2 5	2 3	

TRANSACTION

Past 12 Months Past 3 Months

Mar   Dec
8   6
2   3

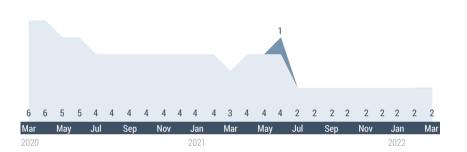
# LINEAGE 1000/E

#### **Average Asking Price**



#### For Sale vs. Sold

Sold For Sale



#### Market Indicators (vs. Last Quarter)

- = Transaction Level (Past 12 Months)
- = Inventory Level
- **1** Average Asking Price
- Average Days on Market

# PERFORMANCE

Max Range Max Speed Typ. Passengers 4,400 N.M. / 8,149 km Mach 0.82 19

SUPPLY
No. for Sale
Avg Asking Price
Avg Days on Market

Mar Dec 2 (6.7%) 2 (6.7%) 16.0M USD 14.9M USD 1,293 1,203

#### **TRANSACTION**

Past 12 Months
Past 3 Months

Mar Dec 1 1 0 0



# G200

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

Transaction Level (Past 12 Months)

Mar

- ♠ Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers

3.050 N.M. / 5.651 km Mach 0.81

SUPPLY No. for Sale Avg Asking Price Avg Days on Market

Dec 9 (3.8%) 7 (2.9%) 4.6M USD **3.7M USD** 229 520

## **TRANSACTION**

Past 12 Months Past 3 Months

Dec Mar 29 27 2 14

# G280

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers

3,600 N.M. / 6,667 km Mach 0.84 8

**SUPPLY** 

No. for Sale Avg Asking Price Avg Days on Market

Dec 2 (0.9%) 6 (2.7%) 18.5M USD 18.5M USD 124 164

**TRANSACTION** 

Past 12 Months Past 3 Months

Dec Mar 23 20 3 9

# G450

#### **Average Asking Price**



#### For Sale vs. Sold





#### Market Indicators (vs. Last Quarter)

Transaction Level (Past 12 Months)

M

- Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range
Max Speed
Tvp. Passengers

4,350 N.M. / 8,056 km Mach 0.85 13

SUPPLY
No. for Sale
Avg Asking Price
Avg Days on Market

Mar	Dec
6 (1.7%)	11 (3.1%)
13.0M USD	12.6M USD
259	520

# **TRANSACTION** Past 12 Months Past 3 Months

Mar Dec 38 33 5 14

# G550

#### **Average Asking Price**



#### For Sale vs. Sold

Sold For Sale



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers 6,750 N.M. / 12,501 km Mach 0.87

18

SUPPLY
No. for Sale
Avg Asking Price
Avg Davs on Market

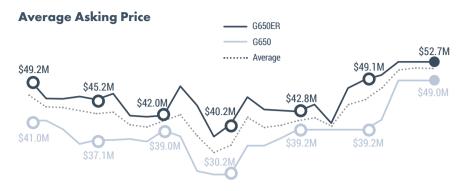
Dec Mar 7 (1.1%) 23 (3.8%) 28.0M USD 21.2M USD 133

# **TRANSACTION**

Past 12 Months Past 3 Months

Dec Mar 76 64 12 30

# G650 & G650 ER



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

	G650	G650ER
Transaction Level (Past 12 Months)	1	1
Inventory Level	1	1
Average Asking Price	1	1
Average Days on Market	1	1

**PERFORMANCE** G650 G650ER Max Range 7.000 N.M. 7.500 N.M. 12,964 km 13,890 km Max Speed Mach 0.90 Mach 0.90 Typ. Passengers 18 18

**SUPPLY** Mar | Dec Mar | Dec No. for Sale 412 7 | 5 Avg Asking Price 49.0M USD 52.7M USD 41.1M USD 50.1M USD Avg Days on Market 94 | 61 | 17 | 11

**TRANSACTION** Mar | Dec Mar | Dec Past 12 Months 7 | 6 17 | 11 Past 3 Months 1 | 2 6 | 4



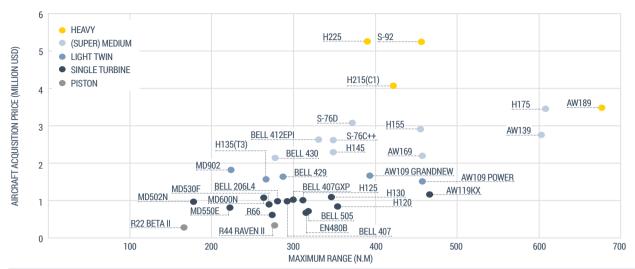


# MARKET SUMMARY

CIVIL HELICOPTERS
2022 Q1

# AIRCRAFT POSITIONING

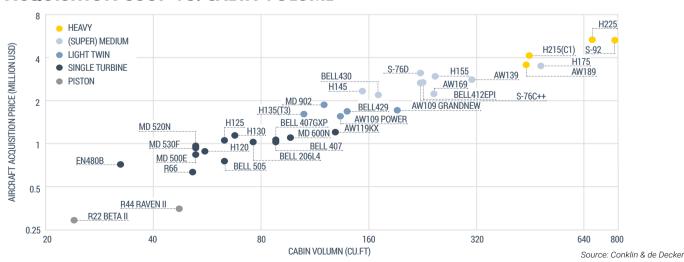
# **ACQUISITION COST VS. MAX RANGE**



#### **ACQUISITION COST VS. MAX TAKEOFF WEIGHT**



#### **ACQUISITION COST VS. CABIN VOLUME**



# **MARKET SUMMARY PER MODEL**

# **INVENTORY LEVEL, PRICE TREND & TRANSACTIONS**

# H125

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

- ↑ Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

## PERFORMANCE

Max Range
Max Speed
Typ. Passengers

340 N.M. / 630 km 140 Knots

SUPPLY
No. for Sale
Avg Asking Price
Avg Days on Market

Mar	Dec
19 (1.9%)	18 (1.9%)
2.5M USD	2.4M USD
279	339

# TRANSACTION

Past 12 Months
Daet 3 Months

Mar	Dec
43	35
8	16

### H130

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

Transaction Level (Past 12 Months)

1 Inventory Level

— Average Asking Price

Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers 333 N.M. / 606km 128 Knots

# SUPPLY

No. for Sale
Avg Asking Price
Avg Days on Market

Dec
4 (1.3%)
2.0M USD
325

#### **TRANSACTION**

Past	12	Months	
Pact	3 V	/onthe	

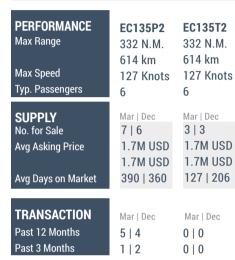
Mar	Dec
21	20
1	8

## EC135P2 & T2



#### Market Indicators (vs. Last Quarter)





#### For Sale vs. Sold





# EC145

#### **Average Asking Price**



# Market Indicators (vs. Last Quarter)

Transaction Level (Past 12 Months)

— Inventory Level

Average Asking Price

Average Days on Market

#### For Sale vs. Sold





#### **PERFORMANCE**

Max Range Max Speed

Typ. Passengers

461 N.M. / 855 km 131 Knots

## SUPPLY No. for Sale Avg Asking Price Avg Days on Market

Dec 9 (1.2%) 9 (1.2%) 3.1M USD **3.1M USD** 240 367

## **TRANSACTION** Past 12 Months Past 3 Months

Mar Dec 13 11 2 6

# H155 & EC155B

#### **Average Asking Price**



#### For Sale vs. Sold



#### Market Indicators (vs. Last Quarter)

H155	EC155B
Transaction Level (Past 12 Months)	=
Inventory Level	=
Average Asking Price	=
Average Days on Market	=

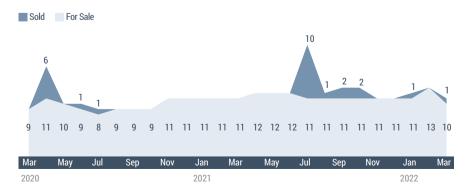
PERFORMANCE	H155	EC155B
Max Range	516 N.M.	516 N.M.
	955 km	955 km
Max Speed	150 Knots	135 Knots
Typ. Passengers	13	13
SUPPLY	Mar   Dec	Mar   Dec
No. for Sale	10   8	0   0
Avg Asking Price	3.6M USD	0.0M USD
	3.7M USD	0.0M USD
Avg Days on Market	805   931	0   0
TRANSACTION	Mar   Dec	Mar   Dec
Past 12 Months	14   10	2   2

## H225

#### **Average Asking Price**



#### For Sale vs. Sold



#### **Market Indicators (vs. Last Quarter)**

4 | 3

- ↑ Transaction Level (Past 12 Months)
- Inventory Level

Past 3 Months

- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers

452 N.M. / 837 km 142 Knots 19

0 | 0

# SUPPLY No. for Sale Avg Asking Price Avg Days onMarket

IVIGII	DCO	
10 (5.6%)	11 (6.1%)	
3.8M USD	3.9M USE	
626	752	

Dec

# **TRANSACTION**Past 12 Months

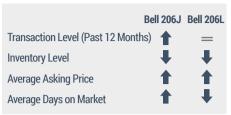
Past 3 Months

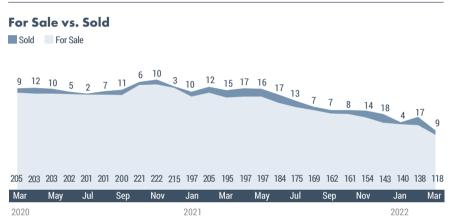
Mar	Dec
17	15
2	2

# **BELL 206 JETRANGER / LONGRANGER**



#### Market Indicators (vs. Last Quarter)





#### **PERFORMANCE** Bell 206J Bell 206L Max Range 374 N.M. 270 N.M. 693 km 500 km Max Speed 121 Knots 105 Knots Typ. Passengers 6 SUPPLY Mar | Dec Mar | Dec No. for Sale 78 | 96 40 | 47 Avg Asking Price 0.6M USD 0.9M USD 0.5M USD 0.8M USD Avg Days on Market 745 | 713 501 | 575 TRANSACTION

# Past 12 Months Past 3 Months

Mar | Dec Mar | Dec 137 | 107 10 | 10 30 | 40 0 | 0

# **BELL 407**

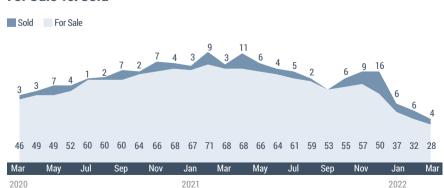
#### **Average Asking Price**



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### For Sale vs. Sold



# **PERFORMANCE**

Max Range Max Speed Typ. Passengers

323 N.M. / 598 km 132 Knots

SUPPLY	
No. for Sale	
Avg Asking Price	
Avg Days on Market	

28 (1.7%)	50 (3.0%)
2.2M USD	2.2M USD
436	483

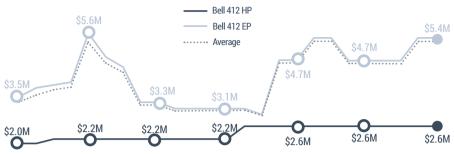
Dec

TRANSACTION		
Past 12 Months		
Past 3 Months		

Mar	Dec
75	59
16	31

# **BELL 412EP/412HP**

#### **Average Asking Price**



#### For Sale vs. Sold





# 2020 2021 2022

#### **Market Indicators (vs. Last Quarter)**



Max Range	356 N.M. /	349 N.M. /
	659 km	646 km
Max Speed	140 Knots	133 Knots
Typ. Passengers	9	14
	l	
CLIDDLY		
SUPPLY	Mar   Dec	Mar   Dec
<b>SUPPLY</b> No. for Sale	Mar   Dec 22   20	Mar   Dec 1   1
No. for Sale	22   20	1   1

TRANSACTION	1
Past 12 Months	
Past 3 Months	

PERFORMANCE

Mar | Dec | Mar | Dec | 15 | 16 | 2 | 2 | 1 | 6 | 0 | 0

Bell 412EP Bell 412HP

# **BELL 429**

#### **Average Asking Price**



#### For Sale vs. Sold



#### **Market Indicators (vs. Last Quarter)**

- ↑ Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers

368 N.M. / 681 km 130 Knots

SUPPLY	Mar	Dec
No. for Sale	3 (0.7%)	4 (1.0%)
Avg Asking Price	4.0M USD	4.2M USE
Avg Days on Market	457	734
TRANSACTION	Mar	Dec
Past 12 Months	13	10
Past 3 Months	3	5

## **AW109SP GRANDNEW**

#### **Average Asking Price**

For Sale vs. Sold

Sold For Sale



#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- ↑ Inventory Level
- Average Asking Price
- Average Days on Market

# **PERFORMANCE**

Max Range Max Speed Typ. Passengers

480 N.M. / 889 km 130 Knots

# SUPPLY

No. for Sale Avg Asking Price Avg Days on Market

Dec 9 (4.4%) 6 (2.9%) 4.6M USD **4.5M USD** 204 212

#### **TRANSACTION**

6 10 10 9

Mar

Jan

2022

Past 12 Months Past 3 Months

Dec Mar 13 11 2 6



AW139

Mar

# **Average Asking Price**



Mar May

Jul Sep Nov

12 15 17 17 16 18 19 22 22 19 15 16 14 13 15 14 10 8

Jan

2021

Sep Nov

#### Market Indicators (vs. Last Quarter)

- Transaction Level (Past 12 Months)
- Inventory Level
- Average Asking Price
- Average Days on Market

#### For Sale vs. Sold



#### **PERFORMANCE**

Max Range Max Speed Typ. Passengers 568 N.M. / 1,052 km 140 Knots 15

#### **SUPPLY**

No. for Sale Avg Asking Price Avg Days on Market Mar Dec 20 (2.0%) 30 (3.0%) **5.3M USD 5.1M USD** 503 453

# **TRANSACTION**

Past 12 Months Past 3 Months

Mar Dec 29 22 7 8

# S-76C+ / S-76C++

#### **Average Asking Price**



#### Market Indicators (vs. Last Quarter)



PERFORMANCE	S-76C+	S-76C++
Max Range	335 N.M. /	335 N.M. /
	620 km	620 km
Max Speed	155 Knots	155 Knots
Typ. Passengers	12	12
SUPPLY		
SOFFLI	Mar   Dec	Mar   Dec
No. for Sale	11   11	10   11
Avg Asking Price	1.9M USD	1.9M USD
	1.9M USD	2.5M USD
Avg Days on Market	1008   918	713   794
TRANSACTION	Mar   Dec	Mar   Dec
Past 12 Months	3   3	10   8
Past 3 Months	0   0	3   1

Source: AMSTAT & ASG

# For Sale vs. Sold

Sold For Sale



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