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VOLUME 5 - ISSUE 23 - YEAR 2024

# AVIATION TURKEY

CITATION LONGITUDE  
OFFERS  
**THE QUIETEST  
CABIN**  
IN THE SUPER-MIDSIZE SEGMENT

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**BRING  
TOGETHER**  
BUSINESS AVIATION'S MOST  
IMPORTANT LEADERS

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# AVIATION TURKEY

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Sürelî

# content



“Citation Longitude Offers the Quietest Cabin in the Super-midsize Segment”

EBACE2024 Will Bring Together Business Aviation's Most Important Leaders



Fulya Hargrave,  
Aircraft Sales  
Manager, Jetex



# nts



## 24

FALCON 6X  
First  
Appearance  
Since  
Receiving  
FAA &  
EASA  
Certification  
at EBACE  
2024

## 34

ACH160 &  
ACH175 on  
Display at  
EBACE2024



## 28

Leonardo  
Helicopters  
is the World  
Leader in  
the Twin-  
Engine V.I.P  
Helicopter  
Market

## 32

Daher's  
TBM 960  
Turboprop-  
Powered  
Aircraft to  
Display at  
EBACE' 24



## 38

NetJets  
Has Been  
Revealed as  
the Previously  
Confidential  
Buyer of 12  
Bombardier  
Challenger  
3500 Aircraft  
With 232  
Options



## 39

Gulfstream  
G650 and  
G650ER  
Surpass 1  
Million Flight  
Hours



# General Aviation Thrives Amidst Challenges: GAMA's 2023 Report

The General Aviation Manufacturers Association (GAMA) recently unveiled its highly anticipated 2023 General Aviation Aircraft Shipments and Billings Report. The report presents a compelling narrative of resilience and growth within the general aviation sector, despite facing formidable challenges.

**Steady Growth:** In comparison to 2022, all segments of aircraft experienced increases in shipments. Preliminary aircraft deliveries reached a total value of \$27.8 billion, marking a notable 3.6% uptick.

For the first time in over a decade, the general aviation manufacturing industry has eclipsed 4,000 aircraft delivered. This achievement underscores the industry's vitality and enduring importance to communities worldwide.

Robust and expanding order backlogs were reported across all aircraft segments, signaling sustained demand for general and business aviation. This underscores the industry's resilience and continued relevance in the global market.

Despite the positive momentum, the industry faces significant headwinds. Ongoing supply chain disruptions, workforce shortages, regulatory uncertainties, and efforts aimed at curtailing aviation activity pose formidable challenges.

**Call to Action:** Pete Bunce, President and CEO of GAMA, emphasized the critical need for supportive regulatory frameworks and legislative measures to fuel industry innovation and growth. Bunce highlighted the imperative for



the U.S. Congress to pass long-term FAA reauthorization, fiscal year 2024 appropriations for the FAA, and tax measures promoting research and development.

Piston airplane deliveries surged by 118%, with 1,682 units,

while turboprop and business jet deliveries increased by 9.6% and 2.5%, respectively. The total value of airplane deliveries reached \$23.4 billion, reflecting a commendable 2.2% increase.

Piston helicopter deliveries witnessed a



significant uptick of 7.7%, totaling 209 units, while preliminary civil-commercial turbine helicopter deliveries increased by 10.4%, with 753 units. The preliminary value of helicopter deliveries soared to \$4.4 billion, marking an impressive 11.2% increase.

Despite prevailing challenges, the general aviation industry remains steadfast in its commitment to innovation, safety, and sustainability. The industry's trajectory in 2024 and beyond holds immense promise, contingent upon proactive collaboration

between political entities, regulatory bodies, and industry stakeholders.

In conclusion, GAMA's 2023 report paints a compelling picture of resilience, growth, and opportunity within the general aviation sector. While challenges persist, the industry's

unwavering spirit and commitment to excellence position it for continued success in the dynamic global landscape.

Enjoy the issue ... [▶](#)

**Ayşe Akalin**  
Editor in Chief



by Ayşe Akalin

# “Citation Longitude Offers the Quietest Cabin in the Super- midsize Segment,”

I had a unique flight experience with Citation Longitude from Rome to Istanbul. Citation Longitude offers the quietest cabin in the super-midsize segment. The aircraft was conducting a demonstration tour for its clients across Europe, the Middle East, and Africa. Following its stop in Istanbul, its upcoming destinations were Moldova and Athens.





CITATION  
LONGITUDE



Ayşe Akalın, Editor in Chief of Aviation Turkey and Alexey Sigalov, Sales Director at Textron Aviation, on board of Citation Longitude flight from Rome to Istanbul

The Cessna Citation Longitude aircraft is the flagship of the Citation fleet. Masterful craftsmanship exudes luxury throughout the cabin. Intuitive technology mobilizes productivity. In the super-midsize class, Citation Longitude gives you more range, greater payload or higher cruise speed at a lower direct operating cost. Simply put: this aircraft delivers the reliability and efficiency you need to maximize the value of every mission.

### The Most Comfortable Cabin in its Class

Engineered to give you the quietest, most comfortable cabin in its class. The spacious cabin and double-club seating afford up to 20 percent more legroom than

the competition. Designed and built in-house, the seats recline to lay fully flat and are crafted for smooth mobility as you work or relax in flight. It provides a spacious, flat-floor, six-foot stand-up cabin with best-in-class legroom for ultimate comfort.

The Citation Longitude jet's stand-up cabin is customizable to meet your business and travel requirements. With the quietest interior and the most legroom in its class, plus fully berthable seating and a flat-aisle design, you'll find the peace to focus your mind and the space to stretch your thinking. And with room to accommodate up to 12 passengers, you and your executive team have the freedom to work and

collaborate just as you would in the boardroom.

### Creating the World's Quietest Super-Midsize Cabin

A quiet aircraft creates a more comfortable cabin environment that makes it easier to rest and remain productive during a flight. Even low and mid frequency noise levels — often sourced from wind and whirling engines — can contribute to passenger and pilot fatigue and affect cabin comfort and in-flight productivity.

Textron developed exclusive soundproofing techniques to design the world's quietest super-midsize cabin. Leveraging methods used to optimize cabin sound levels

in other Citation aircraft, the Textron Aviation acoustics team worked directly with design engineers to ensure every aspect of the Citation Longitude® jet resulted in a quiet interior.

Through aerodynamic engineering and one-of-a-kind research and development, the team developed new sound proofing methods to create the world's quietest super-midsize cabin.

“Often, aircraft are designed to be quiet mainly during long range cruise,” said Gonzalo Mendoza, Textron Aviation's chief acoustics engineer. “The Longitude is very quiet there, but it's also quiet during climb, high speed flight and descent. It was made to be quiet from

the outset, not modified to be quieter after it was designed.”

Throughout the Longitude development program, the cabin acoustics team measured sound from other super-midsize and large-cabin business aircraft using the same process. And while certain materials can affect cabin sound levels — everything from glassware, woodwork and fabrics plays a role in cabin noise levels — all aircraft were tested in comparable conditions, Mendoza said.

With sound levels averaging 67 decibels, the Longitude cabin is among the quietest you'll find. The quiet interior also complements other comfort features of the aircraft, from extra legroom and fully flat-laying seats, to lighting and interior design.

“The goal was to make the Longitude cabin feel like your office or a conference room, not just an aircraft.” Mendoza said. “Sound plays a major role in creating that type of environment.”

## Rested and Ready to Go

Arrive refreshed, thanks to a low cabin altitude that does not exceed 4,950 ft at 41,000 ft cruise altitude. The best-in-class wet galley with large potable water tank enhances cabin service with plenty of room for food preparation.

The large, walk-in baggage compartment has a storage capability of up to 1,000 lb. and is accessible throughout the entire flight.

From a wireless cabin management system that puts you in control of the cabin, to fully integrated auto throttles in the cockpit, the Citation Longitude jet brings the latest technology to the super-midsize segment.

## GARMIN G5000 Flight Deck

Pilots have complete touchscreen control of navigation and communication systems with the next evolution of the GARMIN G5000 flight deck.

Built for maximum efficiency, the Citation Longitude jet features fully integrated auto throttles and LINXUS software, the industry's most advanced on-board diagnostic system. With optional head-up display and enhanced vision capability, the Citation Longitude jet facilitates eyes-up flying. The spacious cockpit incorporates easier access and an ergonomic design that fully focuses on crew comfort and efficiency. The working with the Central Diagnostics Maintenance System (CDMS) LinxUs and LinxUs Air, both function as a fault-isolation system that monitors the aircraft 100 percent of the time. In the event of an on-board issue, actionable answers are provided in real time, resulting in faster turnaround to get the aircraft back in the air. LinxUs –





The G5000 integrated flight deck for the Citation Excel/XLS features three landscape-oriented flight displays with split-screen capability, allowing pilots to simultaneously view maps, charts, checklists, TAWS, TCAS, flight plan information, weather and more

reports issues upon landing with a Wi-Fi connection. LinxUs Air – reports issues in flight via satellite.

## Textron Aviation Leads Industry Deliveries Across Multiple Segments

According to the annual shipments and billings report published by the General Aviation Manufacturers Association (GAMA), Textron Aviation continues to lead the industry in multiple segments. According to the General Aviation Manufacturers Association's (GAMA) year-end report for 2023, Textron Aviation completed the delivery of 618 aircraft units, amounting to a cumulative value of \$3,615,598,500.

Textron celebrates leading industry delivery achievements in the following categories for 2023: Total jets, Midsize jets, Light-entry jets, Business and utility turboprops and Light single-engine pistons

In the global market, 24 Citation Longitude aircraft were delivered in the calendar year 2023. Over 100 Longitude aircraft are currently operational across seven nations, with one such aircraft deployed in Turkey. Turkey hosts over 70 Textron Aviation aircrafts, notably comprising more than 60 business jets.

## Textron Aviation to Showcase its 5 Aircrafts at Ebace 2024

Textron Aviation will participate to the European Business Aviation Convention and Exhibition

(EBACE) as the industry leader with more than 1,700 Cessna and Beechcraft turbine aircraft based in Europe and more than 250,000 aircraft delivered worldwide.

The company will feature five aircraft at the static display; The flagship Cessna Citation Longitude jet, The best-selling mid-size business jet – the Citation Latitude, the enhanced Citation CJ4 Gen2 and M2 Gen2 and the iconic turboprop, the Beechcraft King Air 360. The company will also highlight aftermarket products, services and modifications at its booth.



Textron Aviation is committed to environmental sustainability and natural resource conservation and supports the Business Aviation Commitment on Climate Change. The company is making robust investments in its products and facilities to be designed or operated more sustainably, including:

*- Proudly renewing its commitment to sustainability by signing the EBACE Green Pledge*

*- Utilizing local customer aircraft for exhibition or flying all company-owned turbine aircraft from the United States on Sustainable Aviation Fuel for trade shows*

*- Operating company-owned demonstration fleet on a new ProAdvantage program, Sustainable Advantage, to offset carbon dioxide emissions from operating aircraft*

Founded in 1962, EMAIR Aviation is the authorized sales representative and authorized service facility for Textron Aviation's Cessna and Beechcraft family of business jets and general aviation aircraft in Turkey. The company celebrates its 56th year of partnership with Textron Aviation this year.

For more information about EMAIR Aviation and its extensive range of services, including aircraft sales, maintenance, and repair, visit their website at [www.emair.com.tr](http://www.emair.com.tr)

Honeywell's business is aligned with three powerful megatrends – automation, the future of aviation and energy transition – underpinned by our Honeywell Accelerator operating system and Honeywell Connected Enterprise integrated software platform.



Products and services from Honeywell Aerospace Technologies are found on virtually every commercial aircraft. We build aircraft engines, cockpit and cabin electronics, wireless connectivity systems, mechanical components. Our hardware and software solutions help create more fuel-efficient aircraft, more direct and on-time flights and safer skies.

## SAFER, MORE FUEL-EFFICIENT FLYING AND INNOVATIONS FOR THE FUTURE OF AVIATION

### BUSINESS PORTFOLIO

- Electronic Solutions
- Engines and Power Systems
- Advanced Electromechanical Solutions
- Services and Connectivity
- Unmanned Aerial Systems / Urban Air Mobility

### TECHNOLOGIES

- Air and Thermal Management
- Aircraft Connectivity Systems and Integrated Services
- Autonomous Flight, Detect-and-Avoid Systems
- Federal Solutions Management and Operation
- Hybrid-Electric Systems
- Integrated Avionics and Flight Management Systems
- Life Support Systems and Air Travel Hygiene
- Flight Efficiency and Maintenance Optimization
- Manned/Unmanned and Satellite Applications/Space
- Electromechanical Solutions
- Navigation, Safety, and Surveillance Solutions
- Propulsion and Power Systems
- Runway and Flight Safety Technology
- Wheels and Braking Systems
- Aerospace Sustainability Solutions



# Fulya Hargrave, Aircraft Sales Manager, Jetex

" The demand for private jet services in Turkey has increased after the pandemic "

**✈️ Aviation Turkey:** With a widespread global presence, how do you assess Jetex operations across different regions?

**Fulya Hargrave:** Jetex is a truly global private aviation brand and we are also pleased to be known as the world's favourite private aviation brand. This is the reputation we gained from our customers, which we dearly value and respect. Our operations span across all continents and we are pleased to support clients anywhere in the world.

**✈️ Aviation Turkey:** How does Jetex adapt its services to meet the unique needs and regulations of each country or region it operates in?

**Fulya Hargrave:** Jetex is truly a global brand and adapts its operations to every region and country in which it operates. Cultural awareness is a core value essential to all of our operations.

**✈️ Aviation Turkey:** Are there any plans for further expansion into new geographic markets or regions?

**Fulya Hargrave:** Jetex is already present in many countries, across all continents, and we look forward to delivering our award-

winning brand experience to more locations.

**✈️ Aviation Turkey:** Can you please share insights into Jetex's current Fixed Base Operator (FBO) capabilities and recent developments?

**Fulya Hargrave:** Jetex has redefined the concept of private terminals (FBOs) – today they are luxurious spaces designed with every convenience in mind for global travellers. From Paris to Marrakech, Dubai and Singapore, Jetex private terminals are the epitome of luxury, convenience and comfort for every private jet traveller.

**✈️ Aviation Turkey:** Are there any plans for future growth or development of your FBO network?

**Fulya Hargrave:** Absolutely. We look forward to growing our private jet terminal network to more than 50 locations globally, in key international gateways.

**✈️ Aviation Turkey:** What distinguishes Jetex's Jet Fuel and Sustainable Aviation Fuel (SAF) services? Are there any upcoming operational innovations and investments in your jet fuel and SAF offerings?

**Fulya Hargrave:** Jetex offers sustainable aviation fuel (SAF) at selected airports around the world. Bringing SAF to the United Arab Emirates was a milestone achievement, and we were pleased that we can offer this type of aircraft fuel to our customers in Dubai in partnership with Shell Aviation. It is even more important in light of 2023 being announced as the Year of Sustainability in the UAE as it cements our ambition to reduce carbon emissions. As a safe and fully certified drop-in fuel compatible with existing aircraft fleet and airport infrastructure, SAF can be blended with conventional jet fuel at a ratio of up to 50%, creating an aviation fuel that is significantly lower in lifecycle carbon emissions. In its neat form, SAF can reduce lifecycle emissions by up to 80% compared to conventional jet fuel.

Our newest SAF destination is Geneva and I am confident that Jetex customers will be delighted by the opportunity to fly with a severely reduced carbon footprint.

**✈️ Aviation Turkey:** Aircraft sales are a cornerstone of your services. How does Jetex assist clients in the acquisition or sale of aircraft, from consultation to final transaction?

## INTERVIEW



**Fulya Hargrave:** Jetex Aircraft Sales have a trusted global network and a world-class in-house team to source the best aircraft according to client requirements, including access to aircraft that are not openly listed on the

market. Today we have the widest global reach for aircraft listed on and off the market.

**✈️ Aviation Turkey:** Can you highlight any notable trends or shifts in the aircraft sales market that Jetex has observed recently?

**Fulya Hargrave:** In the realm of luxury travel, private jets epitomize exclusivity, comfort, and efficiency.

Today, more clients are looking for private aircraft which complement their lifestyle and corporate requirements.

The cost of a private jet varies widely from USD 2 million to USD 100 million, depending on the client's requirements. The main upfront cost drivers are the model of aircraft selected and whether the aircraft is new or pre-owned.





permits, clearances, slot coordination and dispatch services. Our ground support services include aircraft handling, catering and fuel supply for business jet flights as well as airline and military operations.

**Aviation Turkey:** How do you perceive the business jet market in Turkey, and where does Jetex stand in terms of aircraft sales within the country?

**Fulya Hargrave:** The business aviation market

is very active in Turkey, despite the global economical challenges and decline in business jet sales during the first quarter of 2024. Turkey remains strong in the market and the number of business jets

**Aviation Turkey:** What specific services does Jetex offer in Turkey, and how does the company engage with the local aviation community?

**Fulya Hargrave:** Jetex has established a very strong business partnership with the local Turkish Aviation community and our Global Services are extended to all of our Turkish customers. We provide flight support services such as flight plan filing,





is continually increasing, continuous airline growth notwithstanding.

**Aviation Turkey:** How do you assess the current demand for private aircraft in the Turkish market?

**Fulya Hargrave:** The demand for private jet services in Turkey has increased after the pandemic, resulting in a fourfold increase of private and business jet operations since 2021. There are more charter customers and, more significantly, many first time aircraft owners.

**Aviation Turkey:** What factors influence the buying decisions of customers in Turkey when it comes to private aircraft?

**Fulya Hargrave:** For business customers, there are several key factors driving the decision to operate private aircraft. First and foremost, private aircraft provide significant time savings compared to airline travel and a much more hassle-free experience. Airline flights include up to three hours passing through endless airport security, passport, waiting and boarding procedures with hundreds of other passengers. A premium cabin trip saves no time, it simply provides a better

seat and meal experience. Additionally, airline flights operate only on scheduled departure/destination pairings so the itinerary required to operate between business-specific locations may include several flight connections, making the entire trip tedious and time-consuming. Private jet travel eliminates all of these inconveniences. Passengers show up to luxurious, exclusive Jetex terminals at the time of their choosing, get whisked immediately through security and are airborne within 15 minutes of arrival. Destinations need not be international hubs for airlines, instead anywhere worldwide with an airport becomes directly accessible, thereby saving hours or even days to business travellers.

**Aviation Turkey:** How does Jetex position itself to meet the needs and preferences of clients interested in purchasing aircraft in Turkey?

**Fulya Hargrave:** Jetex has its aircraft sales division with very experienced teams strategically located. We have the expertise and the tools necessary to satisfy clients' needs, with our professionals based in Istanbul catering to Turkish and European

clients in the region. There is an entire process to be followed when purchasing or selling a jet. It takes time and in-depth knowledge of market products and client requirements. Jetex offers clients transparency during this entire process, thereby establishing trust and long-term relationships with its clients.

**✈️ Aviation Turkey:** Are there any investment plans for Turkey in Jetex's future strategy?

**Fulya Hargrave:** Jetex looks forward to expanding its presence in Turkey and we welcome the opportunity to showcase our complete suite of Jetex private terminals and services to this key international market.

**✈️ Aviation Turkey:** Could you please inform us about private jet charter services in Turkey and worldwide?

**Fulya Hargrave:** Jetex also has a private charter department. We serve the clients' needs both with our own fleet and with our partners' worldwide. We have a dedicated team to find the best aircraft option according to the clients' requests. With our strategically placed FBOs and global partners, our end goal is always to provide the best experience in Turkey and worldwide 🌍





## EBACE2024 Will Bring Together Business Aviation's Most Important Leaders

As the premier event for the European business aviation community and bringing together business leaders, government officials, manufacturers, flight department personnel and all manner of people involved in nearly every aspect of business aviation the 2024 European Business Aviation Convention & Exhibition (EBACE2024) will take place during May 28-30, in Geneva, Switzerland at the Palexpo and Geneva Airport.

Within the scope of EBACE2024, which offers an unequalled opportunity to see the newest business aircraft, state-of-the-art avionics, engines, advanced technologies, products and services, around 30 of the world's most cutting edge business aircraft on the market, ranging from large intercontinental business jets, to smaller turbine-powered aircraft, as well as several piston engine aircraft will be displayed at Geneva International Airport. The EBACE Aircraft Display at Geneva International Airport, adjacent to EBACE host facility Palexpo, will include the latest offerings from

renowned European manufacturers such as Airbus, Dassault Aviation, Daher and Pilatus, as well as global aircraft manufacturers including Boeing Business Jets, Embraer, Gulfstream, Honda Aircraft Company and Textron Aviation. Visitors can expect to see aircraft with longer ranges, greater fuel efficiency, and advanced avionics systems designed to improve safety, comfort, and productivity.

The event is jointly hosted each year by the European Business Aviation Association (EBAA), the leading association for business aviation in Europe, and the National Business

Aviation Association (NBAA), the leading voice for the business aviation industry in the United States. More than 300 exhibiting companies and about 30 business aircraft will be on display at the airport in Geneva.

Included among the dozens of aircraft on display at Geneva Airport will be Piper Aircraft's M700 Fury turboprop single (making its EBACE debut), the Airbus ACJ TwoTwenty business jet a newly certified Gulfstream G700 (operated by Qatar Executive) and five aircraft from Textron Aviation, including the flagship Cessna Citation Longitude



Jet and the Beechcraft King Air 360.

The Dassault Falcon 6X is making its first EBACE appearance since receiving Federal Aviation Administration and European Union Aviation Safety Agency certification.

For the first time ever, the outdoor aircraft display will feature an AAM aircraft, with VoltAero's Cassio hybrid-electric aircraft making its EBACE debut.

Also inside, the show floor will feature the Airbus Helicopters ACH160, billed by its manufacturer as the "quintessential ultimate helicopter."



Phenom 100EX

## ... Embraer Executive Jets at EBACE 2024

As a global company with more than 54 years in aerospace, Embraer delivers the ultimate experience in business aviation through aircraft that feature unmatched performance, disruptive technology, and superior comfort. Its portfolio consists of the Phenom 100EX, which offers unmatched cabin comfort, the highest levels of operational versatility and enhanced pilot-centric avionics; the Phenom 300E, which is the best-selling light jet for the past 12 consecutive years; and the Praetor 500 and the Praetor 600, the most disruptive and technologically advanced midsize and super-midsize business jets, respectively.

Embraer will debut the Phenom 300E and Praetor 600 business jets at the European Business Aviation Conference and Exhibition (EBACE2024) in Geneva, Switzerland at

the Palexpo and Geneva Airport from May 28 to May 30, 2024 to thousands of aircraft buyers, sellers and government officials.

## Phenom 300E

Launched by Embraer in 2018 the Phenom 300E is an upgraded version of the Brazilian manufacturer's vastly popular Phenom 300. With a freshly designed interior and an upgraded avionics suite, the Phenom 300E is a revitalized version of the original model, while keeping all the performance specifications the same. The Phenom 300E is powered by Pratt & Whitney 355E1 engines. With 3,478 pounds of thrust each, these engines allow the aircraft to achieve speeds of over 500 miles per hour, ensuring any trip is relatively quick.

The Phenom 300E is the fastest and longest-ranged single-pilot jet, with a high-speed cruise of 464 knots and a non-stop range of 2,010

nautical miles (3,724 km) with NBAA IFR reserves. With superb runway and climb performance in its class, the Phenom 300E costs less to operate and maintain than its peers. The aircraft is capable of flying at 45,000 feet (13,716 meters) with a pair of Pratt & Whitney Canada PW535E1 engines. The Phenom 300E offers a spacious cabin with the Embraer DNA Design and its baggage compartment is among the largest in its category. The largest windows in the class deliver abundant natural lighting in the cabin as well as in the private lavatory. The comfort of the seats, with recline and full movement capability, is enhanced by the best pressurization among light jets (6,600 ft. maximum cabin altitude). The Phenom 300E features distinct temperature zones for pilots and passengers, a wardrobe and refreshment center, voice and data communications options, and an entertainment system.



Phenom 300 series has maintained its status as the world's best-selling light jet for 12 consecutive years, while also attaining the best-selling twinjet for the fourth year running, according to data released by the General Aviation Manufacturers Association (GAMA). To achieve this distinction, the company delivered 63 Phenom 300 series aircraft throughout 2023. Demonstrating Embraer's commitment to innovation and excellence, the Phenom 300 series is the most successful business jet of the past decade, having accrued more than 730 deliveries worldwide and operating in 40 countries. With over 2 million flight hours logged, the Phenom 300 recently became the most-flown aircraft in the United States, with more than 360,000 flights in a 12-month period.

## Praetor 600

Billed by its manufacturer as the "world's most disruptive and technologically advanced super-midsize business jet" the Praetor 600 elevates the super-midsize segment to new heights via impressive standards of speed, range, and accommodations that raise the bar well beyond the reach of would-be competitors. Industry-leading technology works in harmony with thoughtful cabin design to present one of the smoothest, blissfully

The cabin of the Phenom 300E measures just under 5 feet tall, with the width ticking in just over 5 feet wide. This allows plenty of comfort for passengers. With a length of over 17 feet long, the cabin provides plenty of room for passengers to roam. The cockpit is fitted with the high-performing Garmin G3000 Prodigy Touch suite. Previous models of the Phenom 300 are outfitted with the G1000 suite, but Embraer decided to upgrade when the Phenom 300E was introduced. The Prodigy Touch suite offers the first-ever runway overrun awareness and alert system. With the Phenom 300E being single-pilot rated, this advanced system adds another layer of safety to the aircraft.

By constantly improving on the best. It's in this spirit that the Phenom

300E received further enhancements, becoming the most successful business jet of the past decade, the best-selling light jet for 11 years running, and the fastest and longest-ranged single-pilot jet in production. Unmatched technology. Superior performance. Uncompromised comfort. As the fastest and longest-ranged single-pilot business jet in production the Phenom 300E is capable of speeds up to Mach 0.80 and features a quieter cabin than ever before. The aircraft demonstrates unmatched performance throughout the area with technologies such as Synthetic Vision System (SVS) to provide enhanced situational awareness and runway overrun awareness and alerting system (ROAAS)- the first technology of its kind to be developed

and certified in business aviation. With its next-generation avionics, generous cabin space, revolutionary interior, industry-exclusive upper technology panel and the best-in-class cabin altitude that made it so popular, plus enhancements that reduce cabin noise, the most popular light jet sets the standard for all others. Most recently, Embraer announced a new auto-throttle feature that will be available for the Phenom 300E. The optional feature is set to enhance the already single-pilot-friendly cockpit, which includes the highly advanced Prodigy Touch based on Garmin G3000, further enhancing the aircraft's operational capabilities.

On February 21, 2024, Embraer announced that its industry-leading

quiet in-flight environments available.

Modeled on the Legacy 500 and first announced at NBAA in October 2018, the Praetor 600 was certified on April 18, 2019 with Brazil's Civil Aviation Authority (ANAC) and on May 20, 2019 with EASA and FAA. The deliveries of Praetor 600 super-midsize business jet was started in June 2019. Embraer claims the Praetor 600 is the world's most disruptive and technologically advanced super-midsize business jet. It is also one of the farthest-flying Super Midsize Jets, able to fly about 4,018 nm (7,441 km) non-stop at long-range cruise speed. It has a maximum endurance of nearly 9 hours, allowing nonstop flights between London and New York, London and Dubai, São Paulo and Miami, and Dubai and Hong Kong. The aircraft's performance capabilities, including its Maximum Operating Speed of Mach 0.83 (466 knots / 863 km/h), shortens travel time to the destination.

As the significantly upgraded version of the Legacy 500, the Praetor 600 is equipped with full Fly-by-Wire controls (has two flight envelopes, normal and limit) that reduce pilot workload and provide a safer and smoother flight experience with active turbulence reduction capability. The Praetor 600's advanced safety features and redundant systems provide added reliability during critical inspection missions. The head-up display (HUD), high-end communication systems, and an advanced flight control system, ensure the highest level of precision during inspection missions.

In addition to the Praetor 600's longer range, Embraer also brings to business aviation the world's first



synthetic vision guidance system (SVGS) approach capability onboard the Praetor 600. The SVGS approach capability, available in the U.S. only where satellite-based augmentation system capability is available, allows for autopilot-flown ILS approaches to 150 feet height above touchdown, with visibility as low as 1,300 feet RVR. The optional E2VS enhanced-vision system and HGS-3500 compact head-up display (HUD) by Rockwell Collins aren't required for SVGS approaches.

The Praetor 600, renowned for its exceptional performance and versatility, amazes passengers with its inviting cabin with a 1.83 m ceiling, flat floor, and fully equipped galley, convenient restroom with wardrobe and cabin

luggage storage. With seats that transform to four flat beds, the Praetor 600 is the ideal airplane for long flights, while it can also easily land on runways as short as 3,000 feet. With class-leading takeoff and landing distances, operators will have access to runways that other midsize aircraft cannot navigate.

This state-of-the-art Praetor 600 aircraft also offers an extremely smooth flight experience with active turbulence-reduction and best-in-class cabin altitude. Embraer is the only

manufacturer to offer this technology in the super-midsize class. Thanks to this technology while the Praetor 600's full fly-by-wire with side-stick controls reduces pilot workload and provides a safer, smoother flight experience, its best-in-class cabin altitude will allow passengers to feel like they are at 5,800 feet while flying at 45,000 feet. During the flight, the ultra-quiet cabin is perfect for conversation, resting, or working.

Praetor 600 is certified to accommodate 12 passengers. With

four variable cabin configurations, the Praetor is most suitable for up to eight passengers but can accommodate as many as 12 when fitted with a belted lavatory seat.

The High-tech Praetor 600 is a fully-connected sky-high office with Viasat Ka-band Wi-Fi and Gogo AVANCE L5 onboard. The aircraft also offers an at-home experience in the skies with Touchscreen cabin controls and a Honeywell Ovation™ Select Cabin Management Suite featuring full 1080p HD video streaming and immersive audio for entertainment. A touchscreen overhead panel puts flight status information, ambient lighting and access to cabin controls directly at passengers' fingertips 🌐



PRAETOR 600



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# FALCON 6X

## *First Appearance Since Receiving FAA & EASA Certification at EBACE 2024*

The Dassault Falcon 6X is making its first EBACE appearance since receiving Federal Aviation Administration and European Union Aviation Safety Agency certification at EBACE 2024.

Dassault Aviation has officially Launched the Falcon 6X in February 2018, the successor to the company's ill-fated 5X project, which was officially cancelled in December, 2017 due to persistent problems with the aircraft's Safran Silvercrest engines. The Falcon 6X will instead use

Pratt & Whitney Canada PW812D series engines, each capable of producing between 13,000 – 14,000lb of thrust.

The extra-tall, extra-wide, 5,500-nautical-mile Falcon 6X successfully completed its maiden flight on March 10, 2021. The certification involved a more than two-year-long test campaign during which 1,500 flight hours were logged worldwide and used three Falcon 6X test aircraft. Type certification was granted last August 22nd by both EASA and the FAA. Since

August, the aircraft has been undergoing post-certification upgrades that EASA required as part of that process.

The Falcon 6X is powered by new-generation Pratt & Whitney PW812D engines, which in addition to outstanding flight safety and performance will provide double digit improvements in fuel efficiency and carbon emissions. In August 2022, the aircraft's 13,500-pound-thrust Pratt & Whitney 812D engine received EASA certification and following, the FAA has

certified the PW812D turbofan engine that will power Dassault's Falcon 6X, Pratt & Whitney Canada (P&WC) on 2nd December 2022. The most advanced of the PW-800 series improves fuel efficiency and emissions by double digits versus comparable powerplants and reduces scheduled maintenance by 40 percent. The PW812D engine has shown exceptional performance during program development with more than 6,100 hours of engine testing, including 1,150+ hours of flight testing

and 20,000 hours on the engine core during the test campaign. The engine is also SAF compatible up to 50 percent and has routinely flown on SAF mixtures during the Falcon 6X flight test program.

The engine delivers double-digit improvement in fuel efficiency, setting a new "green" engine standard for emissions with the advanced TALON™ X combustor, and its low-noise design and low-vibration levels will contribute to reducing cabin noise for a more comfortable passenger experience. The PW812D's advanced common core technology, employed in 16 different PurePower engine applications, has amassed more than 585,000 in-service hours. From a maintenance perspective, the PW800 engine family sets the industry standard, with 40% less scheduled maintenance than other engines in its class.

### **Land at Challenging Airports Thanks to Non-Standard Steep Approaches up to 6 degrees**

It has the widest purpose-built business jet cabin at 2.58 m (102 in). Its 70.7 m<sup>2</sup> (761 sq ft) wing allows a 35,135 kg (77,459 lb) maximum weight with 13,460 lbf (59.9 kN) engines, for a 5,500 nmi (10,186 km) range at Mach 0.80 or 5,100 nm (9,445 km) at Mach .85. With an intercontinental range of 5,500 nm (10,186 km), the aircraft will fly nonstop in whisper-quiet comfort from London to Hong Kong or Los Angeles to Moscow.

With extendable leading-edge slats and trailing-edge flaps on the wings, approach speed can be as low as 109 KIAS (202 km/h) with 8 passengers, 3 crew,

SL, NBAA IFR reserves, even on non-standard steep approaches up to 6 degrees. Land at London City, Lugano, Saint-Tropez, Aspen and other challenging airports.

Thanks to much more fuel capacity, The Falcon 6X is able to make a short hop to an interim airport, pick up passenger and then continue on to an overseas destination without having to refuel. This feature provides more flexibility with economic efficiency to the operators.

### **Revolutionary Situational Awareness**

The FalconEye combined vision system (CVS) – which most Falcon 8X customers selected – will be standard on the 6X. FalconEye is the first Head-Up Display (HUD) to blend synthetic, database-driven terrain imaging and actual

thermal and lowlight camera images into a single view, providing an unprecedented level of situational awareness to flight crews in challenging weather conditions and all phases of flight. The EFVS (Enhanced Flight Vision System) function provides operational credits for bad weather approaches with 100 ft minimums, with plans to achieve full EFVS-to-land capability in near zero/zero conditions. Dual HUD is optional on the 6X.

The 30x40 degree field of view is one of the widest angles on any HUD, ensuring full viewing coverage with 1280x1024-pixel resolution. FalconEye features a fourth-generation multi-sensor camera whose six sensors present top quality images in both the visible and infrared spectrums. Dassault's revolutionary FalconEye combined vision system will be standard on the 6X,



## Cabin Space & Amenities

The Falcon 6X will set a new standard for widebody comfort, with the tallest and widest cabin in business aviation. Measuring six feet, six inches in height and eight feet, six inches in width, the 6X will be the first ultra-widebody purpose-built business jet in the industry.

providing enhanced safety and situational awareness on approaches in darkness or poor weather. These images are combined with three dedicated worldwide synthetic vision databases that map terrain, obstacles, navigation, and airport and runway data. FalconEye was developed in partnership with Elbit Systems.

The Falcon 6X will also be the first Falcon equipped with the FalconScan advanced diagnostics

system, which monitors and reports on 100,000 maintenance parameters.

The improved cockpit avionics package includes the latest generation of the EASy system – EASy IV, powered by Honeywell's Primus Epic platform. EASy IV has more processing power, improving the graphics, color and crispness of displays. It includes new capabilities such as RNP instrument approaches, the ability to display traffic in the air and on the ground, airport moving

maps for easier taxiing, optional SiriusXM weather and a Runway Overrun Awareness and Alerting System (ROAAS). EASy IV includes an improved controller/pilot data link communication (CPDLC) system and RDR 7000 IntuVue 3D color weather radar that provides predictive lightning and hail detection as well as 60 nm range Doppler turbulence detection. Hazardous weather and the vertical definition of thunderstorms can be seen at distances up to 320 nm.

**Up to 16 Passengers;** Take a large team – there's room enough to accommodate 12-16 passengers – with individual seating in three separate lounge areas. The extra width also means a 5-inch wider aisle compared to previous Falcons, for more elbow room and easier movement between cabin sections.

**Multiple Configurations;** Options include an extended entryway and galley, a crew rest area, and a spacious rear stateroom, affording greater privacy when desired, especially on



long overnight flights. A new option since 2022 is the Falcon Privacy Suite with an electrically controlled lie-flat seat. One or more can be installed in the 6X cabin.

**Large Windows... and a Skylight;** The Falcon 6X's extra-large windows (30 of them) both brighten the cabin naturally and provide unprecedented views, with a total of nearly 5,000 square inches and the highest percentage of window area in its class. Plus, it features an industry-first skylight that provides additional natural light in the normally dim galley area.

**Quiet and Refreshing;** Like the Falcon 8X, the 6X will be the quietest cabin in the sky with interior sound levels below 50 dB. Cabin air is refreshed continuously and processed through hospital-grade HEPA filters to provide added protection against airborne pathogens. "Cabin altitude" pressurization is maintained at a very comfortable 3,900 feet (1,189 m), when cruising at 41,000 feet (12,497 m). Passengers not only travel in the most comfortable conditions they arrive at their destination refreshed and ready for the day.

**Connectivity with Style;** The 6X cabin comes with high-speed connectivity system solution ensuring seamless in-flight communications and high-speed access to Internet. Connectivity service options include Ka-Band network that allows even faster and more consistent data speed. The cabin also comes equipped with new in-flight entertainment and communications network technology designed to distribute crisp, high-definition audio and video content throughout the cabin. Dassault's Innovative Cabin System (ICS) provides easy fingertip control of cabin environment (temperature, shades, light) plus entertainment on touch panels and personal devices. Passengers can stream audio by Bluetooth from their personal devices to earbuds or cabin speakers.

FALCON 6X entered service in December 2023 🌐





## Leonardo Helicopters is the World Leader in the Twin-Engine V.I.P Helicopter Market

The 2024 edition of Europe's major executive air transport exhibition EBACE (European Business Aviation Convention and Exhibition) will provide Leonardo a first chance to update the market what's next in its VIP/corporate transport helicopter capability offer under the new Agusta VIP (Stand U58) brand. To reinforce its leading position in the world's VIP/corporate helicopter market Leonardo has launched its Agusta luxury sub-brand in late 2021 following a similar move by rival Airbus in 2017, when that company announced Airbus Corporate Helicopters (ACH). The Agusta VIP brand represents Leonardo's

philosophy and distinctive values in terms of design, technology, and services in the executive transport rotorcraft market. Leveraging the heritage of an iconic name embedded in the helicopter industry community and a symbol of commitment to stay at the forefront of innovation, Agusta is a unique combination of best in class performance, comfort, and refined Italian style.

As of February 2024, Leonardo Helicopters has delivered approximately 1.200 helicopters to around 290 commercial and military users worldwide. Leonardo Helicopters delivered a total of 149 helicopters in 2022, and 185 helicopters

in 2023, in 2024 both the number of new orders and the number of helicopters expected to be delivered are anticipated to be higher compared to 2023. With a global fleet of more than 900 helicopters, carrying out a range of passenger missions, including private and corporate transport, charter, scheduled services and VIP/government transport, Leonardo Helicopters is the global leader in this sector. With a 45% share over the last ten years, Leonardo is the world leader in the twin-engine VIP/corporate helicopter market including private, charter and VVIP/ Government transport services, thanks to the

most modern and largest product range.

Leonardo is also leveraging the Agusta brand for today's and future VIP market initiatives. This brand exemplifies the unique combination of best in class performance, latest technology, comfort and Italian style widely recognised in the market for Leonardo's VIP-configured helicopters, delivering a unique service and flight experience. To evolve its Agusta luxury sub-brand Leonardo plans to offer dedicated helicopter service centers in the coming years. The first likely will be in Europe.

At EBACE 2024 Leonardo will present an exclusive update of



As Aviation Turkey team, we made a demo flight with AW 189 during the Leonardo Helicopter facility tour in Italy

on the Agusta brand exclusives initiatives, with a particular focus on the AGUSTA FOR YOU service and maintenance package dedicated to private operators. The AGUSTA FOR YOU service and maintenance package for private operators is conceived as integral part of the Leonardo VIP offer and it has been already selected by several customers around the world providing turnkey solution in terms of a complete coverage. Developed specifically to meet the needs of corporate rotorcraft operators, it is intended to increase aircraft availability and reduce inventory costs, while optimizing expenses by covering both scheduled and unscheduled maintenance of airframe, avionics components and other items. The

AGUSTA FOR YOU plan is available to all the Leonardo helicopters, and it offers on demand possibilities of annual interiors refurbishment, coverage of entertainment system (parts and troubleshooting), coverage of engines in the case of unscheduled events (with performance guaranteed) and engine loan service. For those customers who decide to maintain their

helicopter at Leonardo facilities, the AGUSTA FOR YOU service plan also provides premium services such as: facilitation in the rental of a “replacement” helicopter on maintenance; fuel arrangements; cabin cleaning service; direct ramp access, when hangars are in a commercial airfield. By 2025, with the aim of extending the possibility

to access the AGUSTA FOR YOU services through the entire Leonardo global service network, selected Leonardo helicopters Part145 maintenance centers will be renewed with Agusta-branded areas, bringing premium services closer to VIP clients in the main geographical areas such as Europe, the Americas, South Africa, and Australia.





Agusta Interior Moods are not predefined VIP cabins but a series of broad design palettes inspired by three of the most striking cities in the world – Firenze, or Florence, London and New York – designed as a way to promote and present to its customers how to create their perfect habitat. The Agusta Interior Moods, initially crated for the AW169, AW139 and AW189 Helicopter types, but will be available across the Leonardo Helicopters’ range, including on the AW609 civil tiltrotor, for which the Company is hoping to complete all activities required for certification of its long-awaited AW609 Tiltrotor by early 2025. This interior concepts feature stylish and specific colors, materials, seat configurations and on-board options. They are designed to allow customers to select and create a perfect environment, mirroring their own distinctive desires, while meeting their own needs. Florence symbolizes the Renaissance and features the sense of warmth, harmony and pureness with a cool classical elegance; London highlight the contrast of old-world refinement and modern style inherent in the UK capital; New York, meanwhile, conveys the cosmopolitan and constantly changing nature of the Big Apple.

Belonging to the AWFAMILY of products, the AW189 (8.3/8.6 tons) represents the industry benchmark for luxury transportation, with lavish interior designs in which comfort, style and attention to detail deliver an unforgettable flight experience. With the largest passenger cabin in its class, it can accommodate up to 14 passengers in a spacious and relaxing environment. The class-leading speed and low internal vibration and noise provide exceptional passenger comfort. The AW189K with the new Safran Aneto-1K engines, extends AW189 market footprint toward Hot and High environments, ensuring excellent payload retention without affecting platform’s proven reliability to satisfy

Leonardo VIP helicopters feature the best Italian craftsmanship, advanced technologies, tailor-made design, cutting-edge solutions and the highest possible levels of comfort. Under the Agusta brand there are exclusive options and services dedicated

to VIP/corporate helicopter operators, which include for example some “inspirational” interior concepts – called Agusta Interior Moods, a new integrated maintenance service plan, and a dedicated Agusta section in the Leonardo Customer Portal.



customers' requirements in different geographical areas.

The AW189 Helicopter, which shares a common airframe and, to some extent, shared components with the AW149, was configured to meet civil/commercial market needs and made its maiden flight on December 21, 2011. As of January 2024, more than 140 firm orders have been received for the AW189 Helicopter, excluding options, with 90 of these already delivered to users in 10 countries worldwide. According to Leonardo Helicopters data, as of January 2024, there are 46 AW189 helicopters operating in the parapublic market, accumulating over 52,000 flight hours in total with these helicopters.

The AW189 (8.3/8.6 tons) combines superior payload and range with advanced technologies to successfully operate a wide range of missions. The AW189 is the benchmark for long-range operations and can operate in all-weather conditions, day and night, delivering high speed and superior performance also in hover and Cat. A. The helicopter features all the equipment and avionics needed to successfully carry out offshore missions and a spacious cabin to ensure a comfortable journey for passengers.

Unique features of the AW189 Helicopter include the main gearbox (transmission)'s capability to run without oil for 50 minutes, a built-in Auxiliary Power Unit (APU), optional automatic data transmission via satellite, 4G cell/Wi-Fi, and more than 200 available kits. Mostly preferred by the offshore Energy Services and SAR operations, the AW189 is powered by a pair of 2,000shp class

General Electric CT7-2E1 Turboshaft Engines and 1 x Safran e-APU (60kW). Powered by a pair of Safran Aneto-1K Turboshaft Engines, each generating 2,500shp, and a Safran e-APU (60kW), the AW189K version is usually preferred for Executive & Private Transport services. In March 2013 Leonardo Helicopters demonstrated to the EASA a 50-minute dry run capability for the

AW189 main gearbox. The AW189 is the first helicopter ever to enter service with such a capability, which is 20-minutes more than any other currently certified helicopter. The need for dry run capability is vital for all helicopter operators but particularly for those operating in harsh environments such as the offshore sector where immediate landing is not always an option 🚁





## Daher's TBM 960 Turboprop-Powered Aircraft to Display at EBACE' 24

The TBM 960 manufactured by Daher is a single engine turboprop aircraft capable of carrying up to 5 passengers and 1 pilot in its pressurized cabin. With a PT6E-66XT producing 850 shp upfront. The TBM 960 has a 4 passenger full fuel NBAA IFR range of 1,730 nm and a max cruise speed of 326 knots. The TBM 960 was debuted in commercially on April 5, 2022, at the Sun 'n Fun Aerospace Expo, replacing the TBM 940 as the "high-end version of" the airplane.

TBM 960 certified to be equipped with the PT6E-66XT. The new PT6E-66XT turboprop engine – purpose-built by Pratt & Whitney Canada for this aircraft, and Hartzell Propeller's five-blade composite propeller with the Raptor™ lightweight hub. Both the engine and propeller system are linked

to the TBM 960's dual-channel digital Engine and Propeller Electronic Control System (EPECS).

With EPECS, the PT6E-66XT engine's startup is fully automated after a single-switch activation. The cockpit's power lever becomes an e-throttle, using a single forward position from takeoff to landing – with the EPECS optimizing powerplant performance throughout the flight envelope while reducing pilot workload by integrating all functions and protecting the engine's life. Analysis of engine parameters is driven by 100-plus smart data inputs.

The Hartzell propeller is fully integrated into the aircraft's propulsion system. It is specifically designed to reduce overall weight and improve the TBM 960's

takeoff distance, climb and cruise speed. Turning at 1,925 rpm during maximum power output, the propeller contributes to limiting noise and vibration. Its sound level during takeoff is just 76.4 decibels, meeting the most stringent international noise standards.

The flight deck has the latest Garmin G3000 integrated flight deck, and retains Daher's "co-pilot" features, including an icing protection system, flight envelope monitoring through the Electronic Stability and Protection (ESP) system, and the Under-Speed Protection (USP) protection during the Emergency Descent Mode (EDM) function, as well as retaining the HomeSafe™ emergency autoland system which automatically activates after 30 minutes if there is no pilot interaction with

the aircraft's systems. HomeSafe™ brings the airplane to a runway touchdown if the pilot becomes incapacitated.

In retaining the performance of Daher's TBM 900-series aircraft, the TBM 960's digital control enables the pilot to fly with more precise settings. At Daher's recommended cruise setting of 308 kts., the fuel consumption is only 57 U.S. gallons per hour – providing a 10% improvement in fuel economy versus maximum cruise speed.

TBM 960 is also equipped with the GWX™ 8000 – an advanced Doppler radar with automatic threat analysis. This all-digital weather radar uses StormOptix™ analysis to automatically adjust antenna sweep patterns to accurately profile weather

cells. GWX™ 8000 doppler radar features include lightning and hail prediction, turbulence detection, zero blind range for close-in returns, and ground clutter suppression. The aircraft also is the first to utilize Garmin's next-generation data transmitter for automatic database upload and interconnection with mobil device.

TBM 960's exterior is a highly visible new feature: the LED nose gear landing light. This high-intensity LED light, with a maximum of 136,295 candela (candlepower), is 2.5 times brighter than previous-generation taxi lights and is particularly useful when taxiing on a dark airfield. Another new functionality for the TBM 960 is the graphical weight and balance presentation on the cockpit's multifunction display. Additionally, the aircraft's taxi phase is improved with 3D SafeTaxi – which provides a three-dimensional depiction of the airport environment to assist the pilot in ground maneuvers and airport identification, along with a runway occupancy awareness function.

Alert messages aimed at increasing the pilot's awareness include the "Yaw Damper" engagement and "Check Gear" notification, as well as "Propeller Abort" if the propeller is not in the correct configuration. Also, stabilized approach



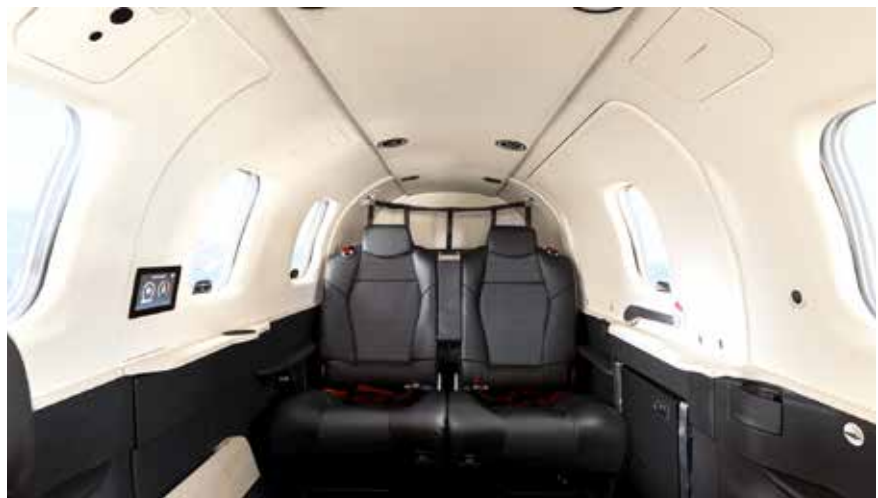
monitoring is strengthened by visual effects on the primary flight display.

Daher's use of digital power for the TBM 960 extends into the aircraft's Prestige cabin, featuring an all-new environmental control system produced by Enviro Systems Inc. Other enhancements

include LED ambience strip lighting integrated into both sides of the overhead ceiling panel, and electronically-dimmable windows – all controlled by a Passenger Comfort Display (PCD). Other enhancements in the cabin's style and comfort are ergonomically enhanced seats, USB-A

and USB-C power plugs, along with individual cupholders and headset hangers for each occupant.

TBM 960 can accommodate a maximum of 507 lb. of luggage "in storage areas," a limitation that is reduced to 330 lb. when equipped with six seats ➡





# ACH160 & ACH175 on Display at EBACE2024

Some of the world's most advanced, efficient and cutting-edge business aircraft, along with the Airbus Airbus Helicopters ACH160 and ACH175 will be on display at the 2024 edition of European Business Aviation Convention & Exhibition (EBACE2024), taking place 28-30 May at Palexpo and Geneva Airport (GVA) in Geneva, Switzerland.

According to the EBACE website, the Airbus Corporate Helicopters' ACH175 will be displayed at Geneva International Airport, whereas the

show floor will feature the ACH160 Helicopter, which is, billed by its manufacturer as the "quintessential ultimate helicopter."

During recent years Airbus Helicopters has announcement of several new orders for the H160 Helicopter and the continued evolution of its high-end, bespoke brand, Airbus Corporate Helicopters (ACH), which it launched in 2017 at EBACE2017. Build on Airbus Helicopters' leadership in the Private and Business Aviation

market, the ACH is offering a unique level of quality finish, craftsmanship and bespoke service matching the most demanding requirements.

The ACH provides an exclusive platform from which customers can benefit from best in class products, tailored completion and service. Mirroring the successful sister brand Airbus Corporate Jets (ACJ), ACH will provide current and future customers an end-to-end exclusive ownership experience ranging from advice helping customers

to choose the right aircraft and design a bespoke style. ACH's offering, supported by a bespoke service to help tailor the most demanding customer requirements, comes in three different product lines:

- **ACH Line:** Based on Airbus Corporate Helicopters' in-house style concept, this interior cabin line is the perfect response for those looking for a light and efficient design. Clean lines and spare style.
- **ACH Exclusive:** This interior line responds



In 2023, Airbus Helicopters logged 410 gross orders, highlighting a steady market recovery with a strong performance this year for the light twin and medium twin helicopters. Orders came from 179 customers in 47 countries. Airbus Helicopters delivered 346 helicopters in 2023, resulting in a preliminary 54% share of the civil and parapublic market.

To be displayed at EBACE 2024 the ACH160 is the premium version of the new H160 Helicopter, a medium-twin

helicopter received EASA certification on July 1, 2020. Airbus already has received several large fleet orders for the H160. In April 2023, the Company signed a contract with China's GDAT, one of China's most prominent helicopter lessors and operators, for 50 H160 Helicopters. Valued at more than \$700 Million this contract is the largest single order for the H160 on the civil and parapublic market since the helicopter was unveiled in 2015. Airbus Helicopters secured orders for 26 H160s in

2023, and delivered 20, including the first delivery of an ACH160 Exclusive. In March 2023, Airbus Corporate Helicopters (ACH), delivered the first ACH160 Exclusive Helicopter to a private customer in France. For executive and VIP ACH160 customers, Airbus has designed a variety of configurations. During 2023, ACH, secured orders for the ACH160 Helicopter from Saudi Arabia's The Helicopter Company (THC), Air Corporate in Italy, and two customers in India. As of April, 2024

to those looking for a truly exclusive environment with the highest standards of refinement, luxury and comfort.

• **ACH Editions:** A portfolio of Airbus Corporate Helicopters special collaborations and partnerships with luxury brands and designers, ranging from Hermes to Mercedes Benz and including designs by world-renown designer Peder EIDSGAARD.

All helicopter types manufactured by Airbus Helicopter could be ordered in an ACH configuration with type designations: ACH130, ACH135, ACH145, ACH160 and ACH175.



Ayşe Akalın- Editor in Chief of Aviation Turkey Magazine is seen in front of ACH 160 before the demo flight



there are 28 H160s in the service around the world, with configurations now developed for every operating sector targeted by the OEM. The type has recorded over 4,000 flight hours across its global fleet. Earlier this year, Airbus confirmed a backlog of over 110 orders for the type. The Company's focus is now on reducing the lead time for

deliveries. In this context, Airbus Helicopters is targeting a production rate of 40 H160s per year by 2026. This would represent a doubling of output compared with 2023.

Orders for the H160M — the military version of the type — represent 30 of the aircraft in the backlog, and Airbus is continuing

development work on the “M” program. According to Jérôme RONSSIN, Head of Airbus' Light Helicopter Program, 2023 saw Airbus' largest number of light helicopter deliveries in the past 10 years. On May 25, 2023, the concluding day of EBACE2023, leading Italian business aviation operator Air Corporate placed a firm order for 43 helicopters including 40

single-engine helicopters (H125/H130) which, depending on its decision at a later date, could be outfitted as VIP ACH125/ACH130s and three ACH160 Helicopters (VIP/business configuration of the H160) from Airbus Corporate Helicopters in Line configuration with the Lounge package to add to two ACH160s already on order.

The multirole, 12-passenger (four to eight in executive configuration) H160 features multiple innovations that Airbus has brought to market in recent years. These include a canted fenestron to improve performance and stability with larger payloads, Blue Edge main rotor blades that should cut noise by up to 50% and the new Helionix avionics with safety features that include accrued pilot assistance and flight envelope protection. The aircraft is powered by a pair of 1,300-shp Safran Arrano 1A Turboshaft Engines that incorporate variable inlet guide vanes to cut fuel consumption by 15%. According to Airbus, the intermediate-twin helicopter features 20 percent more cabin volume per passenger and 35 percent larger windows than legacy helicopters in its class. It makes extensive use of carbon-fiber composites in the fuselage and main rotor blades that enhance



corrosion resistance, especially in maritime operations. The H160 has an estimated maximum cruise speed of 150 knots, a 20,000ft service ceiling, and a 475nm range (no reserve, standard tanks). In April 2024, Airbus Helicopters has announced a reduction in the official empty weight of its new medium H160 as well as reduced fuel consumption figures, which together will provide operators with an increase of 60nm (110 kilometers) of range or 100kg (220 pounds) of additional payload.

Meanwhile, Airbus is looking to diversify the market for its H175 super-medium-twin in part by seeking framework agreements with operators covering both firm orders and options. The ACH is now experiencing stronger demand for the H175, than the 14 helicopters booked in 2023 might indicate. As of February 2024 there are 56 H175s in service. In 2023 this fleet logged 40,800 flight hours, taking the total above 210,000 hours, with the fleet leader accounting for 9,500 of these hours. To cope with booming offshore demand Airbus Helicopters has already started preparations to raise its production rate of the H175 to 15-20 units per year and is now targeting to quadrupled its output by 2026.



Primarily designed to support the oil and gas industry in the super medium class (7 tons) the H175 was jointly developed by Airbus Helicopters and Chinese AVIC (Aviation Industry Corporation). Launched in 2008, the H175 completed its first flight on December 17, 2009, prior to entering service in December 2014 with Belgian operator NHV for offshore oil & gas operations in the north-sea. The H175 is powered by two FADEC controlled Pratt &

Whitney Canada PT6C-67E Turboshaft Engines where the Chinese built helicopters are powered by a Joint Safran/AVIC co-developed Ardenid 3C/WZ16 engines. The H175 flight deck features the Helionix avionics suite with a total of four 10-inch multifunctional displays. The highly customized avionics largely benefit from Airbus Helicopter in-house avionics expertise. The H175 cabin is designed to accommodate up to 18 passengers in an oil and gas typical application.

This large cabin can be configured with 6 to 12 VIP seats on a corporate layout configuration. The interior of the H175 is one of the most luxurious, spacious, and exclusive offerings, providing a jet-like experience and outstanding comfort in a business helicopter. Thanks to a wide spectrum of noise & vibration damping technologies, the H175 is able to offer very low vibration and sound levels even at high cruise speeds, contributing to the smooth flight experience 🌐



# NetJets Has Been Revealed as the Previously Confidential Buyer of 12 Bombardier Challenger 3500 Aircraft With 23 Option



Bombardier's long-time valued client NetJets was unveiled as the previously confidential buyer of 12 Challenger 3500 aircraft. The firm transaction initially announced in December 2023 was valued at US\$326.4 million based on list prices at the time of signing, but the landmark deal could be more than US\$6 billion if all optional 232 Challenger 3500 jets are exercised over time.

With this order, NetJets adds to the finest fleet in private aviation with the latest addition to the Challenger family – the most delivered super midsize platform – and continues to further elevate its customers' travels thanks to the Challenger 3500 aircraft's outstanding attributes. Deliveries for

aircraft included in the firm order are set to begin in the second half of 2025.

"The Challenger 3500 jet continues to impress with its ultimate combination of refined cabin experience, proven reliability, and top performance, perfectly aligning with the needs of NetJets' discerning client base," said Éric Martel, President & CEO of Bombardier. "We couldn't be prouder to see the Challenger 3500 business jet join the NetJets' fleet as we write the next chapter of our long-term collaboration."

Built on the iconic super midsize platform, the Challenger 3500 jet continues to push the industry forward, setting the course for what private jet travel should be. The aircraft offers an unmatched in-flight experience that exceeds the expectations of

the most discerning travelers. It has a flawless design that provides an unparalleled cabin experience and elevates passengers' comfort with Bombardier's revolutionary Nuage seats and cutting-edge cabin technology. The cabin experience is also enhanced by several industry-first features including voice-control, unmatched 4K entertainment, first in-class wireless chargers and true bring-your-own device cabin philosophy, making it the smartest aircraft in its class.

The Challenger aircraft family is also well known for its industry-leading reliability and safety. With more than 900 business jets of the Challenger 300 series in service worldwide, the Challenger 3500 builds on the excellent track record of the Challenger family and boasts an impressive

dispatch reliability of more than 99.8%. It also offers an impressive range of 3,400 nautical miles and, outstanding runway performance, and steep-approach capabilities. It provides customers with the ultimate package, including access to the most remote locations, while delivering Bombardier's signature smooth ride from takeoff to landing.

In terms of sustainability, the Challenger 3500 aircraft is in a class by itself. It is the first business jet in the super-midsize segment to have an Environmental Product Declaration published, documenting the aircraft's environmental footprint over its lifecycle. This impressive business jet provides customers with the ultimate combination of sustainability, performance, and reliability that they can count on 365 days a year.



# Gulfstream G650 and G650ER Surpass 1 Million Flight Hours

Gulfstream Aerospace Corp. announced the award-winning Gulfstream G650, and G650ER surpassed 1 million flight hours. With more than 560 aircraft in service worldwide, the high-performing fleet continues to deliver on its reputation as one of the most iconic aircraft programs in business aviation.

When the G650 entered service in 2012, followed by the G650ER in 2014, the aircraft redefined business aviation. The G650 earned the 2014 Robert J. Collier Trophy for its performance, safety, and efficiency innovations and continues to set industry standards. In 2022, the aircraft completed a flight using 100% sustainable aviation fuel (SAF), a business-jet industry original equipment manufacturer first.

“We could not be more pleased that the G650 program — synonymous with business aviation excellence — has been serving our customers



for over a decade,” said Mark Burns, president of Gulfstream. “This milestone is a true testament to our precision manufacturing, state-of-the-art design, world-class Gulfstream Customer Support, and commitment to continuously improve our customers’ operating experience.”

Together, the G650 and G650ER have achieved more than 125 city-pair speed records, and the G650ER holds the record for the farthest fastest business jet flight in history.

Both aircraft feature a flexible, award-winning interior that provides the Gulfstream Cabin Experience with 100% fresh air, an ultralow cabin altitude, and abundant natural light from 16 Gulfstream Panoramic Oval Windows for up to 19 passengers.

Just last year, Gulfstream and Honeywell released the Primus Epic Block 3 avionics upgrade for the G650 and G650ER, providing even more tools to help pilots make informed safety decisions during all phases

of flight. The enhancements include multiple new and improved features that build upon existing Gulfstream PlaneView II flight deck visual, communication, alerting, and navigation systems.

The G650 can fly up to 7,000 nautical miles/12,964 kilometers at Mach 0.85 and 6,000 nm/11,112 km at its high-speed cruise of Mach 0.90. The G650ER can fly up to 7,500 nm/13,890 km at Mach 0.85 and 6,400 nm/11,853 km at Mach 0.90. Both aircraft have a near-supersonic maximum operating speed of Mach 0.925, a maximum cruise altitude of 51,000 feet/15,545 meters and have earned Federal Aviation Administration (FAA) and European Union Aviation Safety Agency (EASA) validation for steep-approach landing operations [e](#)





## Tech Entrepreneur to Embark on Epic Expedition with ACH125

Australian tech entrepreneur John-Paul Thorbjornsen (JP) has ordered an ACH125 helicopter for an expedition traversing seven continents in 300 flight hours.

“My passion for flying started when I took my first lesson at 16, and I’ve never looked back. The ACH130 Aston Martin Edition brought me on a cross-globe journey where I experienced different cultures, made new friends, and created many beautiful memories with my family and friends. With this new ACH125, I’m looking forward to exploring the world in a different way,” said JP.

“I did a lot of research for my next helicopter purchase and am impressed by the power and agility the ACH125 offers. I’m

convinced that it’s the perfect aircraft to carry out this exploration.”

Calling it “an expedition like no other”, the adventurous executive unveiled his flight plan at the Singapore Airshow. Starting from his hometown in Darwin, JP will circumnavigate the globe in a convoy of two helicopters together with one other pilot, involving his ACH130 Aston Martin Edition helicopter and the newly purchased ACH125.



The convoy will first fly 11,000 nm to the North Pole, followed by another 12,000 nm to the South Pole, with the last leg of 7,000 nm across to Dubai. JP expects the helicopter convoy to be airborne for six months and will span 50 countries, passing the equator three times.

“We are so happy that JP has selected the ACH125 for such an important mission. It offers the exact performance and flexibility that is required

for this undertaking, and we can’t wait to follow this journey soon,” said Frederic Lemos, Head of Airbus Corporate Helicopters. The ACH125 is a single-engine helicopter known for its performance, versatility, and low maintenance, while excelling in high-and-hot and extreme environments. It is a member of Airbus’ Ecureuil family, which has accumulated 38 million flight hours worldwide. With built-in maneuverability, excellent visibility, and low vibration levels in the cabin, the ACH125 has earned its reputation as a true multi-mission workhorse.

The Ecureuil has several altitude records to its credit. The most notable is the world record for highest take-off and landing of a helicopter on Mount Everest at an altitude of 8,848 m, an amazing record which still stands today.



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# VOO Showcases Innovation and Growth at EBACE 2024

VOO returns to the upcoming European Business Aviation Convention & Exhibition (EBACE 2024), taking place May 28–30 at the Palexpo and Geneva International Airport, Switzerland. This year, VOO adopts a strategic approach, fostering connections and showcasing its solutions at the EBACE venue, offering attendees a personalized experience. Following the official conclusion of EBACE's second day, on May 28th, an exclusive networking party organized by ArcosJet and Lilium, and co-sponsored by VOO, will take place.

EBACE 24 promises to be a dynamic platform for experiencing, shaping, and enhancing the future of

business aviation. The event features a comprehensive program schedule exploring the industry's latest trends, sustainability best practices and the transformative potential of Advanced Air Mobility (AAM). Attendees can expect a dynamic exhibit hall showcasing the latest advancements in avionics and business aircraft, alongside a dedicated AAM pavilion featuring innovative companies.

The event sets the stage with a compelling opening keynote featuring esteemed leaders like Dr. Bertrand Piccard, initiator and chairman of the

Solar Impulse Foundation. Joining him will be Delphine Bachmann, State Councilor in charge of the Economy and Labor for Geneva, and John Santurbano, Director of the Maastricht Upper Area Control Centre at EUROCONTROL.

VOO co-sponsors the exclusive 'Epic Night' party on May 28th at 6 p.m., hosted by Arcosjet and Lilium at Geneva's Pavillon Gallatin. The invitation-only event presents a valuable opportunity for industry leaders to connect and celebrate advancements in business aviation and is expected to attract more than three hundred guests.

"EBACE is a pivotal event for driving innovation in business aviation, and VOO is excited to participate once again. By strategically positioning our team throughout the venue, we want to foster accessibility for charter brokers and aircraft operators, and other potential and existing customers and partners, enabling dynamic, personalized conversations that showcase our continuously evolving platform for business aviation professionals. We are also proud to co-sponsor the 'Epic Night' after-show party, an exquisite gathering that promises exceptional networking and valuable industry connection building." – Robert Plhak, CEO at VOO flights.



# RTX's Collins Aerospace Introduces Venue Smart Monitor

Collins Aerospace, business, unveiled its Venue™ smart monitor at the Aircraft Electronics Association Convention & Trade Show's new product introduction showcase in Dallas, Texas.

The new smart monitor can function as a standalone in-flight entertainment (IFE) solution or fully within the Venue cabin management system (CMS). Embedded smart technology and a robust processing platform simplifies future software updates and enables seamless integration of Collins' suite of IFE products, including Airshow moving maps and Stage on demand entertainment.

The smart monitor enables installation flexibility, giving customers options to upgrade their CMS and IFE solutions in a cost-effective, phased approach.

"The Venue smart monitor provides operators and their passengers with a single access point to completely control cabin functionality, individual comfort and entertainment options," said Marc Ayala, senior director of sales, Business & Regional Aviation for Collins Aerospace. "The smart monitor enables



simple software updates, third party add-ons and the flexibility for owners to incrementally grow their IFE and CMS capabilities at a pace that fits their individual needs."

Five different monitor sizes and 4K ultra high-definition options provide pristine resolution and viewing enjoyment to

fit a variety of cabin configurations and aircraft of all sizes. The intuitive graphical user interface offers a consistent user experience across touchscreen monitors, mobile applications and cabin touch panels.

The all-inclusive smart monitor also reduces

redundancies, replacing legacy Airshow moving maps bulkhead displays and consolidating hardware on board the aircraft. This technology and hardware integration optimizes power usage and reduces overall carry weight, which in turn decreases fuel burn and associated carbon emissions.



# Azzera, Inc. selected by Pratt & Whitney Canada for Carbon Offset Solutions

Azzera, Inc. is thrilled to announce it has been selected by Pratt & Whitney, an RTX business, to provide carbon credits for Pratt & Whitney Canada's Carbon Offset Service. With this arrangement, Azzera will supply a portfolio of high-quality carbon credits rated through Azzera's Impact Score, ensuring transparency and integrity. This announcement marks another significant step towards impactful action in aviation.

The engine manufacturer's Canada's Carbon Offset Service is available to all Pratt & Whitney Canada-powered aircraft including business jets, helicopters, and regional and general aviation aircraft as a flexible add-on to its Eagle Service™ Plan or Fleet Management™ Program engine maintenance agreements. It offers customers a straightforward way to offset their carbon footprint caused by their use of aircraft in a transparent and cost-effective manner, helping support their sustainability objectives.

"Our collaboration with Pratt & Whitney Canada underscores our shared commitment to driving



sustainability in the aviation sector," says Puja Mahajan, CEO and Co-Founder of Azzera. "The Azzera Impact Score ensures that the carbon credits provided are both high-quality and have verified and significant environmental impact. Working with customers such as Pratt & Whitney Canada, we are making it easier for aircraft operators to not only offset their emissions but also to understand and quantify the positive environmental impact of their contributions."

Azzera plays an important role in Pratt & Whitney Canada's Carbon Offset

Service. The Azzera Impact Score, a distinctive feature of Azzera's services, serves as a reliable quality assurance measure for carbon credit projects. It addresses concerns in the voluntary carbon markets regarding the validity and impact of carbon credits, offering a tangible and auditable metric that mitigates the risk of greenwashing. By evaluating each project's crucial financial and technical achievements, the Azzera Impact Score guarantees impactful environmental action and provides meaningful comparisons vital to public interest.

"We are committed to providing our customers a seamless way of offsetting aviation carbon emissions," said Irene Makris, vice president, Customer Service, Pratt & Whitney Canada. "Through our arrangement with Azzera, we provide our customers with a means to compensate for their aviation emissions and help them ensure the quality of their sustainability investment. We are focusing exclusively on CORSIA-eligible credits, adding an additional layer of due diligence to our Carbon Offset Service."

# BE AERO's Integrated Aircraft Renovation: From Pre-Purchase Inspections to Tailor-Made Charter Services

BE AERO offers turnkey solutions in business jet maintenance, operation and

charter services with a dynamic and competent staff in its 8.000sqm hangar facilities located at Istanbul Ataturk Airport, Turkiye. Turkiye's flag carrier company in business jet maintenance offers expert and meticulous services with a huge experience based on many years.

BE-AERO comprises of a team of highly skilled engineers dedicated for

providing heavy and line maintenance to Airbus 320 Family (ACJ), Boeing

737NG's (BBJ), Challenger CL601/ 604/ 605/ 650, CL850/ CRJ200,

CL300/ 350/ 3500, Global Series (5000,6000), Hawker 700/ 750/ 750XP/ 800/ 800XP/ 850XP/ 900XP, Learjet 60, Cessna 510, Embraer

EMB-135/145, Legacy 600/650, Battery & Avionics shops, NDT Shop, Interior

Refurbishment including major modifications, Connectivity solutions for high

speed internet, spare part solutions/sales with its huge stock of excess

materials including -impossible to locate-component stocks.

BE AEROS's segregated Paint Hangar completes its nose to tail business jet service plan. BE AERO is able to perform the highest levels of pre-buy inspections, full interior refurbishment and complete aircraft painting for the renovation of the used aircraft in one facility, at one stop. BE AERO also offers aircraft sales, CAMO and AOC services since many years and takes pride in ensuring its fleet of aircraft operate at optimum levels of efficiency and safety with an enhanced

flight experience for its customers and offers charter services allowing a comfortable flight for its clients with their choice of aircraft without any time limitations. Expectations are met with an approach of unlimited services. BE AERO is committed to delivering a high-quality and reliable service to its customers in order to maintain its position as a trusted and reliable partner

700/750/750XP/800/800XP/850XP/900XP, Learjet 60, Cessna 510, Embraer

EMB-135/145, Legacy 600/650, Battery & Avionics shops, NDT Shop, Interior

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## Innovation, Sustainability and Safety will be the Focus of VoltAero and SKY2SHARE

France's VoltAero and the Swiss-based SKY2SHARE business-to-business air transport operator are joining forces at next week's EBACE convention to highlight their vision for sustainable regional mobility – combining VoltAero's electric-hybrid Cassio aircraft with SKY2SHARE's solution for private business flights that will be truly sustainable.

VoltAero is welcoming the SKY2SHARE executive team on its exhibit stand (#F25) from May 28 to 30 during EBACE 2024 (the European Business Aviation Convention & Exhibition) in Geneva's Palexpo convention center. Also present at EBACE in the static exhibit area will be VoltAero's Cassio S testbed aircraft, which has validated the company's parallel electric-hybrid

propulsion system during more than 220 flights, covering more than 10,000 km.

As a VoltAero strategic partner, SKY2SHARE has ordered Cassio airplanes for integration into its fleet, supported by a sales structure, after-sales MRO (maintenance, repair and overhaul) service, and backed by a dedicated training center – all managed on behalf of private owners, either independently or in co-ownership.

Utilizing the Cassio aircraft with VoltAero's innovative parallel electric-hybrid propulsion system, SKY2SHARE will apply its own optimized operating while also removing residual emissions from the atmosphere through CO2 removal by Direct Air Capture.

“SKY2SHARE's disruptive model will demonstrate that private business aviation can be socially and environmentally sustainable with better financial performance,” explained Selim Franko, the CEO of SKY2SHARE. “Benefitting from Cassio's ‘clean sheet’ design, we will have an airplane that delivers an order of magnitude higher performance and provides significantly lower operational costs.”

Jean Botti, VoltAero's CEO & Chief Technology Officer, added: “As a future Cassio operator, SKY2SHARE is to serve as a business multiplier that offers much lower environmental impact than regular commercial flights with less costs and more productivity.”

SKY2SHARE's pre-order with VoltAero begins with

the five-seat Cassio 330 configuration, and retains the forward flexibility to incorporate the six-seat Cassio 480 and 12-seat Cassio 600 versions.

VoltAero's patented Cassio parallel electric-hybrid propulsion concept is unique, with the aircraft using an electric motor in its aft fuselage-mounted propulsion unit for all-electric power during taxi, takeoff, primary flight (if the distance traveled is less than 150 km.), and landing. The hybrid feature – with the internal combustion engine integrated in the powertrain – comes into play as a range extender, recharging the batteries while in flight. Additionally, this hybrid element serves as a backup in the event of a problem with the electric propulsion, ensuring true fail-safe functionality.



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