

## ***Brèves de l'industrie aérospatiale – 29 août 2022***

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### **Industrie Aérospatiale**

#### **Pratt & Whitney Canada (26 août)**

Pratt & Whitney Canada has achieved Transport Canada certification for the latest XT-M variant of its PW127 engine. The PW127XT-M promises a 3% fuel-burn saving over the current M-model engine, plus increased time-on-wing and lower maintenance costs. It will become standard equipment on new ATR 42- and 72-600 aircraft from the final quarter of 2022 and available as a retrofit for in-service -500s and -600s.

#### **Saab / ThyssenKrupp Aerospace (26 août)**

ThyssenKrupp Aerospace and Saab will prolong their partnership. ThyssenKrupp Aerospace will become the materials supplier for Saab's subcontractors worldwide. It will be responsible for Saab's warehousing and quality inspection activities.

#### **Safran / Hyundai Motor Group (25 août)**

Hyundai Motor Group et Safran ont signé un protocole d'accord visant à identifier les opportunités possibles qu'offre le secteur de la mobilité aérienne avancée (AAM) et d'explorer une potentielle coopération dans différents domaines, portant notamment sur les systèmes de propulsion électrique, l'avionique, les commandes de vol et les intérieurs de cabine.

#### **COMAC (25 août)**

The COMAC C919 has completed all test flights required to obtain its airworthiness certificate from the Civil Aviation Administration of China (CAAC). COMAC has received more than 800 orders/commitments for the C919.

#### **Reliable Robotics (25 août)**

Reliable Robotics has received acceptance from the Federal Aviation Administration (FAA) for the certification basis associated with the autonomous aircraft navigation system it is developing and has already demonstrated on the Cessna 208 Caravan.

#### **CAE (24 août)**

AirAsia India and CAE will collaborate to integrate the CAE Rise™ Training System into the airline's simulator training program. AirAsia India is the first airline in India to adopt a data-driven training program using CAE Rise™.

## Aviation Commerciale

### **Qantas** (25 août)

Qantas is seeking replacement aircraft for its 28 Airbus A330s, (18 A330-200s and 10 A330-300s). It will also accelerate the reactivation of the A380 fleet and now plans to have all ten in service before the end of next year. Qantas currently operates five A380s.

### **Virgin Australia** (24 août)

Virgin Australia will add four Boeing 737 MAX 8 aircraft to its fleet with delivery starting in the second half of 2023.

### **British Airways/ London-Heathrow Airport** (23 août)

British Airways will cancel about 10,000 short-haul routes scheduled between the end of October 2022 and March 2023 to and from London-Heathrow Airport.

### **Air Canada** (23 août)

Air Canada is expanding its cargo fleet, with plans to operate 12 dedicated cargo aircraft by the end of 2024. It currently operates four Boeing 767-300Fs and will add seven more B767Fs by the end of 2023 and three more in 2024.

### **ExpressJet** (23 août)

U.S. regional airline ExpressJet has declared bankruptcy, a day after ceasing operations out of its sole base at Reno-Tahoe International Airport. ExpressJet operated as a United Express affiliate until United Airlines ended its code-share contract in 2020.

### **Jetlines** (22 août)

Jetlines' inaugural flight out of its hub at Toronto Pearson International Airport is scheduled for August 29 and will fly to Winnipeg and Moncton.

## Aviation d'affaires

### **Airbus Corporate Jets** (25 août)

Airbus Corporate Jets released an analysis of industry data finding that 14,632 private jets are based in the U.S., with heavy/long-range aircraft accounting for the largest share. Light jets follow at 36.5 percent, then midsize at 20.5 percent, and very light jets at 5.5 percent. The country accounts for 62.5 percent of the world's business jet fleet and 37.5 percent of those aircraft are heavy or long-range aircraft.

*N.B : La langue utilisée reflète le contenu original de la source citée et n'a pas été traduite afin de ne pas altérer le sens du contenu partagé.*

### General Aviation Manufacturers Association (GAMA) (24 août)

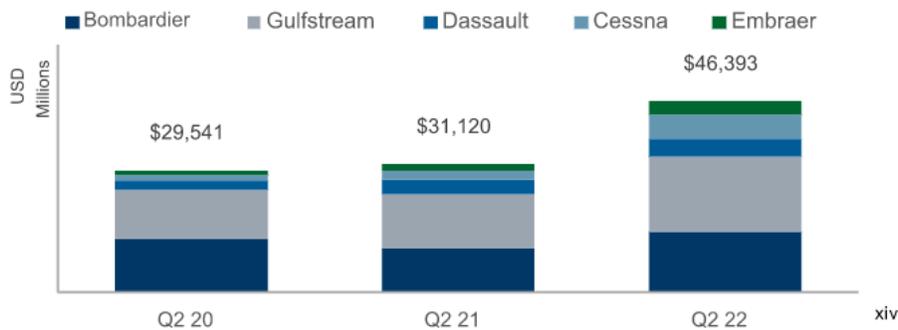
Aircraft shipments through the second quarter of 2022, when compared to the same period in 2021, saw piston airplanes increase 9.4% with 638 units, turboprops increase 11.8% with 247 units, and business jets increase 9.5% with 289 units. The value of airplane deliveries in the second quarter was \$9.1 billion, an increase of 5.2%.

Six Month Aircraft Shipment and Billing

<b>Aircraft Type</b>	<b>2021</b>	<b>2022</b>	<b>% Change</b>
Piston Airplanes	583	638	9.4%
Turboprops	221	247	11.8%
Business Jets	264	289	9.5%
Total Airplanes	1,068	1,174	9.9%
Total Airplane Billings	\$8.6B	\$9.1B	5.2%
Piston Helicopters	83	87	4.8%
Turbine Helicopters	259	257	-0.8%
Total Helicopters	342	344	0.6%
Total Helicopter Billings	\$1.4B	\$1.3B	-5.6%

### GlobalJet Capital (24 août)

Q2 Backlog at Major Business Jet OEMs



Business jet manufacturers continued to report strong results in Q2 2022. Business jet transactions were up by 14 percent by value in the first half compared with the same period in 2021. Orders have remained high, resulting in an industry-wide book-to-bill ratio of 1.8 to 1. Backlogs increased to \$46.4 billion, a 49.1 percent increase from a year earlier and lead times are now extending well into 2024 for most manufacturers.

## Défense

### **Boeing MH-139 (24 août)**

Boeing has delivered the first four MH-139 Grey Wolf nuclear security and VIP transport helicopters to the US Air Force. The MH-139 is a heavily modified Leonardo AW139 civil airframe.

### **U.S. Air Force/ Next Generation Adaptive Propulsion program (20 août)**

The U.S. Air Force awarded contracts worth up to \$4.9 billion to General Electric, Pratt & Whitney, Boeing, Lockheed Martin and Northrop Grumman to carry out the prototype phase of the Next Generation Adaptive Propulsion program.

### **Airbus Defence & Space (19 août)**

Zephyr, a solar-powered, long-endurance unmanned air vehicle (UAV) developed by Airbus Defence & Space and the US Army, came down unexpectedly on 19 August after 64 days of continuous stratospheric flight.

## MRO

### **National Institute for Aviation Research (24 août)**

Wichita State University's National Institute for Aviation Research (NIAR) Werx and Erickson Precision Ventures have announced a collaborative passenger-to-freighter (P2F) conversion of an Airbus A321.

### **Pilot John International (24 août)**

Pilot John International, formerly Carolina GSE, has completed an expansion of its aircraft equipment distribution and service center in New Bern, NC, to respond to the rising demand for its ground support equipment.

### **Precision Aviation Group (23 août)**

Precision Aviation Group (PAG) plans to acquire PTB Group. The acquisition will increase Atlanta-based PAG's repair stations to 20 and expand its engine services division by adding Pratt & Whitney PT6 and Honeywell TPE331 turboprop engines to its portfolio.

## Drones – Advanced Air Mobility

### **Natilus / P&W Canada (24 août)**

Natilus has selected Pratt & Whitney Canada to supply the engines for the Natilus N3.8T, an autonomous aircraft for air freight transport which is scheduled to fly in 2024.

### **Eve (23 août)**

Eve plans to perform an urban air mobility (UAM) simulation in Chicago to test the basis on which eVTOL aircraft could operate air taxi services in crowded cities. It will involve helicopters operated by its prospective customer Blade Air Mobility.

### **AeroVironment (22 août)**

AeroVironment has received a contract for Increment 1 of the army's Future Tactical Unmanned Aircraft System (FTUAS) programme. It covers the purchase, testing and delivery of an AeroVironment Jump 20 medium UAS (MUAS) with associated services, training and support.

### **Lynn Fire Department / DJI (22 août)**

Massachusetts' Lynn Fire Department has acquired a new DJI Matrice 30T thermal drone system to be used to aid in searches for missing persons and surveying fires.

## Spatial

### **NASA (24 août)**

NASA has selected Astrobotic Technology, Honeybee Robotics and Lockheed Martin to further advance work on deployable solar array systems that will help power the agency's human and robotic exploration of the Moon under the Artemis program.

### **Goodyear / Lockheed Martin (22 août)**

Goodyear will join Lockheed Martin in its development of a lunar mobility vehicle, with Goodyear focussing on the vehicle's tires. The new partnership intends to be the first to establish extended-use commercial vehicle operations on the Moon.

### **National Air and Space Intelligence Center (21 août)**

The U.S. Air Force has selected Altamira Technologies, Epsilon Systems Solutions, Modern Technology Solutions, Radiance Technologies and Xandar for a \$4.8 billion multi-award contract to provide research, development and software services over 10 years in support of the National Air and Space Intelligence Center.

## Innovation

### **GKN Aerospace / Hydrogen (25 août)**

Fabrum and Filton Systems Engineering (FSE) will help GKN Aerospace develop “end-to-end” hydrogen fuel system technology. This collaboration leverages FSE’s aerospace-related expertise in fuel systems and design of fuel, air, hydraulic, inerting and engine systems, and Fabrum’s cryogenic and fuel tank storage technology, and expertise in hydrogen fuel systems.

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