

## ***Brèves de l'industrie aérospatiale – 5 septembre 2022***

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### **Industrie Aérospatiale**

#### **Boeing (1 septembre)**

Boeing expects that the 737 MAX 7 will be certified by the end of the year and the larger MAX 10 in the first half of 2023.

#### **Airbus A220 (31 août)**

Jet Airways India Ltd. is in advanced talks to order around 50 Airbus A220 aircraft with deliveries starting in 2025.

#### **Saab (31 août)**

Saab has received an order from Boeing valued at USD 71.2 million to produce aft fuselages for the Boeing T-7 Red Hawk advanced trainer. It will be produced in Saab's new facility in West Lafayette, Indiana, and first deliveries are planned for 2023.

#### **Triumph / Diehl Aviation (31 août)**

Triumph Actuation Products and Services has been awarded a ten-year contract by Diehl Aviation to manufacture fluid flow controls used on aircraft such as the A320 and A330.

#### **Mecachrome / WeAre Group (31 août)**

Mecachrome et WeAre Group ont confirmé leur rapprochement et le nouvel ensemble, qui conserve le nom de Mecachrome, devient l'un des cinq plus grands fabricants de pièces pour l'aéronautique en Europe.

#### **Boeing / UPS (29 août)**

Boeing has received an order from UPS for eight more 767 Freighters. This will increase UPS's 767 Freighter fleet to 108 aircraft.

#### **Boeing (29 août)**

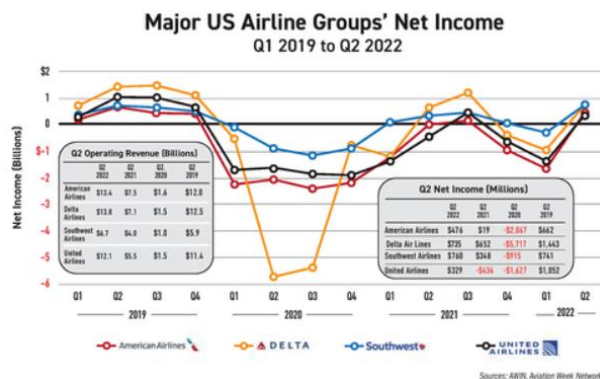
Boeing is investing \$5 million to support expansion of the Advanced Manufacturing Innovation Center in St. Louis (AMICSTL). The investment will help fund a state-of-the-art advanced manufacturing facility.

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

The Pratt & Whitney Canada PW127XT-M turboprop has received Transport Canada certification. The engine will power new-build ATR aircraft and Deutsche Aircraft's D328eco.

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## Aviation Commerciale



### **Cirium 2021 World Airline Passenger Rankings (1 septembre)**

American Airlines stays on top of the North American ranking again in 2021, followed by Delta Air Lines, United Airlines and Southwest Airlines, demonstrating the strength of the recovery that continues to take place in the US domestic market. Overall, airlines in North America showed 75% growth from the low point in 2020, although they still ended last year down by 40% from 2019 traffic levels, as measured in Revenue Passenger Kilometers/Miles (RPKs/RPMs).

### **Porter Airlines (1 septembre)**

FlightSafety International has completed the installation of an E195-E2 flight simulator at Porter Airlines' Toronto site. It will support Porter's pilot training as part of its order for up to 100 Embraer E195-E2 aircraft.

### **ITA Airways (31 août)**

Le ministère de l'Économie italien va négocier exclusivement avec le fonds d'investissement américain Certares, associé à Air France-KLM et Delta Air Lines, pour le rachat partiel de la compagnie nationale ITA Airways.

### **China Airlines (30 août)**

Taiwan's China Airlines has placed a firm order for sixteen Boeing 787-9s plus eight options, with first deliveries in 2025.

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**AerCap / Air Europa (29 août)**

AerCap has signed a long-term lease agreement with Air Europa for five Boeing 787-9s and ten Boeing 737-8 MAXs to be delivered in 2024 through 2026. Air Europa will become the first Spanish operator of the Boeing 737 MAX aircraft.

**IBA/CO2 (25 août)**

Selon le baromètre mensuel établi par le bureau d'études britannique IBA, les émissions du transport aérien ont atteint un nouveau plus bas historique en juillet, à 141,9 grammes de CO2 par passager et par mile, soit une réduction de 1,9% sur un an et de 5,9% depuis 2018.

**Aviation d'affaires****Rolls-Royce/ Dassault (2 septembre)**

Rolls-Royce broke ground on a new facility in Le Haillan near Bordeaux, France which will be finished in the first half of 2023. The site will support the Rolls-Royce Pearl 10X engine, which exclusively powers Dassault's new Falcon 10X.

**Vantage Market Research (2 septembre)**

Vantage Market Research's analysis of the global business jet market finds that the launch of new programs and technological advancements are projected to expand industry growth. It was valued USD 29.3 B in 2021 and is forecast to surpass USD 42.7 B by 2028, a CAGR of 6.3%.

**Luxaviation Group (1 septembre)**

Luxaviation Group has added a Bombardier Global 5000, a Cessna Citation CJ2, two new Cessna Citation CJ4 Gen2s and a Beechcraft King Air 260 to its global fleet.

**AllianceJet - Challenger 605 (1 septembre)**

European aircraft management group AllianceJet is adding a second Bombardier Challenger 605 to its fleet. By early 2023, the company expects to add more aircraft to a portfolio that already includes a Bombardier Global 6000 and Boeing 737.

**Défense****Pratt & Whitney (1 septembre)**

Pratt & Whitney has delivered the 1,000th F135 engine for the fifth-generation F-35 Lightning II fighter to the US Department of Defense. Pratt & Whitney produces the engines that power all three variants of the F-35 Lightning II aircraft.

**Israel/Boeing (1 septembre)**

Israel has signed a \$927 million purchase order for four Boeing KC-46A refueling tankers for its air force, with deliveries due to begin in 2025.

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**Sierra Nevada (1 septembre)**

Sierra Nevada is investing more than \$200 million to produce two prototypes of its RAPCON-X intelligence, surveillance, and reconnaissance (ISR) aircraft. The US Army is seeking a replacement for its aging fleet of Beechcraft RC-12 Guardrail signals intelligence aircraft.

**General Atomics / Taiwan (1 septembre)**

The Taiwanese Ministry of National Defense will acquire four General Atomics MQ-9B SeaGuardian UAVs.

**Arista Aviation Services / Portuguese Air Force (1 septembre)**

Arista Aviation Services, an MRO specializing in the Sikorsky UH-60 Black Hawk helicopter, has been awarded a contract to provide six firefighting-capable Black Hawks to the Portuguese Air Force (Força Aérea Portuguesa).

**Aerobotix / U.S. Air Force (31 août)**

Aerobotix has supported the 40th restoration of air inlet ducts for the F-22 Raptor aircraft, as part of a maintenance contract with the U.S. Air Force. Aerobotix has developed an automated painting system that restores the performance coatings on F-22 air inlets.

**Italy / Israel Aerospace Industries (IAI) (29 août)**

The Italian Government has purchased two special mission aircraft from IAI valued at more than 209 million Euros, to be equipped with "Elta" electronic defense systems.

## MRO

**Rolls-Royce / Air China (1 septembre)**

Rolls-Royce has partnered with Air China to build a new MRO facility in Beijing. The Beijing Aero Engine Services Company Limited (BAESL) will be capable of providing MRO services on three Rolls-Royce engines (Trent 700, Trent XWB-84, and Trent 1000) which power three Air China aircraft (A330, A350 and B787 Dreamliner).

**C&L Aerospace (31 août)**

C&L Aerospace is increasing its support to operators of ATR aircraft using the parts manufacturer approval (PMA) process. It has partnered with an unnamed manufacturer to become the exclusive distributor of a PMA part for the ATR's rear tail cone lens assembly.

**Helicopter Services (ROTAK) / Helitak Firefighting Equipment (Helitak) (31 août)**

ROTAK has partnered with Australian fire-fighting equipment designer Helitak, to develop a new mission modification for the Boeing CH-47D/234 Chinook to convert it into a next-generation, multi-purpose fire-fighting platform.

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#### **Saudi Rotorcraft Support Co. (30 août)**

SAMI Aerospace will acquire a 51% stake in Saudi Rotorcraft Support Co. and Boeing will retain its 49% stake.

#### **Lufthansa Technik / mas (29 août)**

Lufthansa Technik and Mexican cargo airline mas (formerly known as MasAir Cargo) have signed a comprehensive Total Component Support (TCS) contract covering the repair and overhaul of parts for mas' Airbus A330F fleet (up to eight aircraft over an eight-year period).

#### **Virgin Atlantic /Bii.aero (26 août)**

Virgin Atlantic has appointed Bii.aero to oversee the consignment and storage process of its large surplus inventory of B747-400, A340-600 and A330-200 assets. The airline no longer operates these aircraft types.

### **Drones – Advanced Air Mobility**

#### **Aselsan (1 septembre)**

Turkish defense giant Aselsan has exhibited technology incorporated into its Hummingbird flapping-wing nano UAV at the aviation and defense industry event, Teknofest. Aselsan has developed, designed and produced this flapping wing mechanism.

#### **VRCO / CITD (31 août)**

VRCO has appointed CITD as its sole design and engineering partner for VRCO's XP4 Electric Air Vehicle and XPC Cargo variant. It will provide manufacturing support, flight testing and regional representation for e-VTOL training.

#### **MintAir / Jaunt Air Mobility (29 août)**

MintAir will purchase up to 40 of Jaunt Air Mobility's eVTOL aircraft to bring air mobility services to the Korean market.

#### **Zeva Aero (29 août)**

Zeva Aero is working on a new prototype named Zeva's Z2, a zero-emissions, single-occupant eVTOL aircraft designed for a variety of applications. Zeva Aero will respond to the US Navy's RFQ for a very compact aerial vehicle that can perform ship-to-ship and ship-to-shore cargo flights.

#### **EvFly / Ascendance Flight Technologies (29 août)**

Singapore-based EvFly plans to use eVTOL and eCTOL aircraft to introduce advanced air mobility to Southeast Asia, the Middle East, and Africa. Its fleet will include Ascendance Flight Technologies' Atea hybrid eVTOL aircraft.

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### **Beta Technologies (26 août)**

A lithium-ion battery pack caught fire inside a Beta Technologies shipping container at the eVTOL developer's facilities near Burlington International Airport.

### **Ohio - National Advanced Air Mobility Center of Excellence (26 août)**

Ohio has broken ground on the National Advanced Air Mobility Center of Excellence. It will feature an office building to house administrative, laboratory, meeting and collaboration space, with an aircraft hangar space available for use by the U.S. Air Force and private industry. The center will support the expanding developmental activities of manufacturers and operators of eVTOL and UAS for advanced air mobility (AAM).

## **Spatial**

### **NASA / SpaceX (1 septembre)**

NASA has awarded a \$1.4 billion contract to SpaceX to transport astronauts to and from the International Space Station. This award is in addition to existing contracts and will bring the total number of missions awarded by NASA to 14, worth almost \$5 billion.

### **Collins Aerospace (31 août)**

Collins Aerospace's Mission Systems has inaugurated a new, 120,000 ft<sup>2</sup> facility located at the Spaceport in Houston, TX to support the development and testing of several key space systems. Some 10,000ft<sup>2</sup> of the facility will be dedicated to Houston's first-ever spaceflight incubator, where startups, universities and industry professionals will collaborate to solve complex space technology challenges.

### **Astra Space (29 août)**

Astra Space has been selected by Airbus OneWeb Satellites, ("AOS") to supply the Astra Spacecraft Engine™ for integration into the portfolio of Arrow commercial small satellites manufactured by AOS.

### **Dawn Aerospace (27 août)**

With recent grants from government agencies, Dawn Aerospace is refining its nitrous-based satellite propulsion technology to bolster the performance of its green bi-propellant satellite thrusters. The company has 30 thrusters in orbit and another 36 have been delivered to customers for integration with satellites awaiting launch.

## Innovation

### **GKN Aerospace** (1 septembre)

GKN Aerospace has successfully designed, developed and delivered a new Turbine Exhaust Module to MTU in Germany as part of the EU-funded Clean Sky-2 EMVAL demonstrator programme.

### **Hermeus / Velo3D** (30 août)

Hermeus will use a Velo3D Sapphire and a large-format Sapphire XC additive manufacturing systems that are designed for high-volume production using Inconel 718. They will manufacture parts for Hermeus' Chimera engine and Quarterhorse aircraft.

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