

Brèves de l'industrie aérospatiale – 26 septembre 2022

Industrie Aérospatiale

Groupe Gorgé (30 septembre)

Le Groupe Gorgé a fait l'acquisition de iXblue qui se joint à ECA Group pour créer un regroupement industriel européen de haute technologie dans les domaines de la robotique, du maritime, de la navigation, de l'aérospatial et de la photonique.

Boeing /WestJet Airlines (29 septembre)

WestJet Airlines will buy 42 B737-10 with options for an additional 22 aircraft.

Thales /AI Redefined (AIR) (29 septembre)

Thales has invested in the Canadian startup AIR, which has created a new AI training capability where humans and machines learn continuously from each other to address sophisticated challenges in real time. AIR took part in the inaugural cohort of Thales' AI@Centech startup acceleration program in 2019.

Embraer (29 septembre)

SalamAir (Oman) has signed an MOU with Embraer to purchase 12 E195-E2 aircraft, making it the first Middle Eastern customer for the Embraer E-jets.

China -COMAC C919 (29 septembre)

China held a ceremony to certify its COMAC C919 aircraft. The C919 is unlikely to enter commercial service with its first customer, China Eastern Airlines, until 2023.

Flitetec (29 septembre)

Flitetec has acquired SC Screenprint to allow in-house screen printing on polycarbonates, plastics, cloth, vinyl, decal transfers and metallic parts, as well as supporting the manufacture of products such as meal tray tables, seat backs, overhead bins and cabin dividers.

Boeing (28 septembre)

Boeing and China Airlines (Taiwan) have finalized a firm order for 16 B787-9 with options for eight additional aircraft.

COMAC's deliveries (28 septembre)

Operator	2017	2018	2019	2020	2021	2022
Chengdu Airlines	2	3	8	6	5	1
China Southern Airlines				3	4	4
Air China				2	4	2
Genghis Khan Airlines			3	2		
Jiangxi Air				3	2	
OTT Airlines				2	2	
China Express Airlines				2	1	
China Flight General Aviation Company			1			
COMAC	1					
Total	3	3	12	20	18	7

COMAC stated that it plans a production rate of 30 ARJ21s per year. The following table lists deliveries through August 2022.

Chinese airlines are almost certainly going to favour the ARJ because protecting a domestic OEM is a state priority. Embraer has expressed confidence because they expect Chinese demand to be greater than COMAC's production plan.

Boom Supersonic (28 septembre)

Boom Supersonic has selected Advanced Integration Technology as the tooling and automation provider and integrator for the Overture final assembly line in Greensboro, North Carolina.

Safran (27 septembre)

Safran opened a new electrical engineering centre of excellence in Créteil, France, that will house functions concentrated on electric and hybrid propulsion, power electronics, electrical distribution, and electrical conversion.

MarketsandMarkets -/Avionics Market (26 septembre)

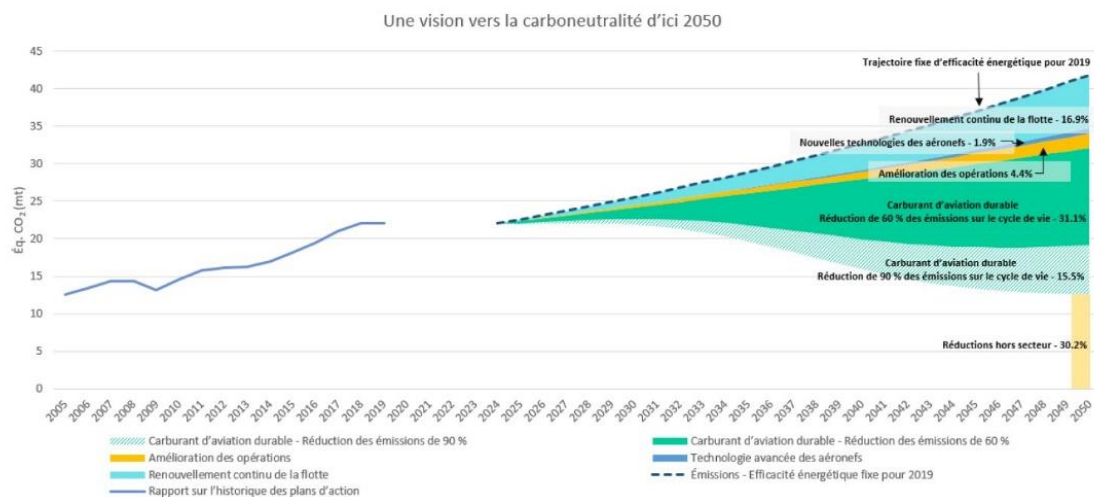
The size of the avionics market is projected to grow from USD 46.7 Billion in 2022 to USD 66.3 Billion by 2027, at a CAGR of 7.3%. The growth of avionics sales is driven by the rising demand for aircraft modernization to improve operating safety and fuel economy.

Aviation Commerciale

Canada's Aviation Climate Action Plan (27 septembre)

The Minister of Transport announced the release of Canada's Aviation Climate Action Plan (2022-2030). It presents a vision of net zero emissions by 2050 for the Canadian aviation sector, sets a goal of 10% for the use of SAF by 2030 and includes actions to improve efficiency and reduce pollution from aviation activities.

Graphique 2. Prévisions des émissions des aéronefs canadiens en 2050 – Une vision vers la carboneutralité d'ici 2050



EasyJet (26 septembre)

EasyJet will upgrade its A320 Family fleet with Airbus' Descent Profile Optimisation (DPO) and Continuous Descent Approach (CDA) aimed at cutting costs on jet fuel and reducing noise impact on the ground. The software will be installed as part of a Flight Management System (FMS) upgrade by the end of 2023.

Aviation d'affaires

ResearchAndMarkets -Business Jets Global Market Report 2022 (29 septembre)

The global business jet market is expected to grow from \$19.96 billion in 2021 to \$26.38 billion in 2026 at a compound annual growth rate (CAGR) of 5.85%.

Bombardier (28 septembre)

Bombardier has announced the grand opening of its new Melbourne Service Centre at Essendon Fields Airport in Melbourne, Australia.

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Eviation (27 septembre)

Eviation has achieved the first flight of its all-electric Alice aircraft, which it is developing for both commuter airline and private aviation applications.

Pilatus Aircraft (23 septembre)

Pilatus Aircraft is acquiring aircraft sales and maintenance provider Skytech. Founded in 1976, Skytech has two bases in Baltimore, Maryland and Rock Hill, South Carolina and has acted as a Pilatus-authorized sales and service center since 1993.

MarketsandMarkets Research (23 septembre)

The world helicopter market is forecast to grow from \$30.6 billion in 2022 to \$41.2 billion by 2027 which translates into a compounded annual growth rate (CAGR) of 6.1 percent.

Jeffries Equity Research (23 septembre)

The inventory of preowned business jets is down 27 percent from a year ago, with just 2.7 percent of the in-service fleet on the market. Large-cabin jets led the decline in availability, down 34 percent since last September, followed by midsize jets (down 27 percent), and light jets (down 24 percent).

Défense

Bell Textron (29 septembre)

Bell Textron Inc. has sold two SUBARU Bell 412EPX helicopters to the Republic of Croatia's Ministry of Interior. The expected delivery date of the aircraft is October 2023.

France - Dassault Rafale (28 septembre)

Le ministère des Armées commandera 42 Rafale supplémentaires en 2023.

Corée du Sud (28 septembre)

Le Stockholm International Peace Research Institute (SIPRI) indique que la Corée du Sud est le 8ème plus gros exportateur d'armes au monde, alors qu'elle n'occupait que le 31ème rang mondial en 2000. Les cinq premiers exportateurs sont, dans l'ordre, les Etats-Unis, la Russie, la France, la Chine et l'Allemagne.

MRO

ZeroAvia (29 septembre)

ZeroAvia has entered into a Joint Development Agreement with Textron Aviation to support ZeroAvia's development of hydrogen-electric, zero-emission powertrains and to obtain a STC to retrofit the Cessna Grand Caravan (208B) aircraft with the ZA600 zero-emission powertrain/.

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AAR- Airinmar (29 septembre)

AAR subsidiary Airinmar signed a services agreement with Cebu Pacific to provide a full suite of support services covering both aircraft warranty management and value engineering.

Spirit AeroSystems (27 septembre)

Spirit AeroSystems has signed a Memorandum of Understanding (MOU) with Malaysia Airlines Berhad (MAB) to develop maintenance, repair and overhaul (MRO) services for the B737 NG aircraft. Spirit and MAB will establish repair services for nacelle and flight control surfaces to support the fleets of MAB and other operators before the end of 2022.

Safran Nacelles (25 septembre)

Spring Airlines has signed a three-year contract with Safran Nacelles for the support of the nacelles of CFM International LEAP-1A engines powering its Airbus A320neo fleet. The work will be performed at Safran Nacelles' new repair station in Suzhou, China.

SR Technics/ PT Garuda (25 septembre)

SR Technics has signed a multi-year support contract with PT Garuda Indonesia for the CFM56-7B engines powering its B737 NG fleet.

Toki Air (23 septembre)

Toki Air, the fourth ATR operator in Japan, has signed a Global Maintenance Agreement for its two leased ATR 72-600. The airline is expected to commence operations in 2023.

Drones – Advanced Air Mobility

Heart Aerospace / MSB (29 septembre)

MSB a signé un accord avec Heart Aerospace pour concevoir et développer près de 60 composants structurels de la cabine du futur avion à propulsion électrique ES-30. L'achèvement de la première phase du projet est prévu pour le dernier trimestre de 2023.

Lilium Jet (29 septembre)

European charter operator GlobeAir will purchase 12 Lilium Jet six-passenger eVTOLs. GlobeAir plans to operate the Lilium Jets for customers in the French Riviera and Italy.

Electra.aero /MintAir (27 septembre)

MintAir, a startup that plans to become an AAM operator in South Korea, has signed a letter of intent with Electra.aero to acquire 50 eSTOL aircraft for passenger and cargo regional air mobility services.

Vertical Aerospace (26 septembre)

Vertical Aerospace has performed a short tethered first flight of its VX4, initiating the test campaign for the eVTOL aircraft. Conducted inside a hangar at Kemble airfield in Gloucestershire southwest England, the flight lasted a little over 10min, reaching a height of about 1m.

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Spatial

Connektica (30 septembre)

La startup canadienne Connektica ouvre une filiale à Toulouse. Créée en 2019 à Montréal, Connektica a développé une plateforme d'essais et de gestion de la chaîne d'approvisionnement conçue pour répondre aux exigences des intégrateurs de satellite et des fabricants de composants.

Canada - 60 ans - Alouette 1 (29 septembre)

Après le Spoutnik soviétique (1957), l'Explorer américain (1958), l'Ariel britannique (avril 1962), le Canada devient le 29 septembre 1962 la quatrième nation à disposer d'un satellite artificiel nommé Alouette. Si le Canada devient le quatrième pays à disposer de son propre satellite, il est le troisième à concevoir et fabriquer lui-même son propre satellite après les Soviétiques et les Américains.

NASA DART (26 septembre)

After a 10-month journey, NASA's Double Asteroid Redirection Test (DART), the world's first planetary defense technology demonstration, has successfully impacted its asteroid target in a first attempt to displace an asteroid in space. NASA's claims that DART has demonstrated a viable mitigation technique for protecting the planet from an Earth-bound asteroid or comet, if one were discovered.

Innovation

Blainjett Aviation (28 septembre)

Blainjett Aviation has announced that initial testing of its hemi-rotor aerodynamic concept has confirmed its potential to deliver faster, more efficient performance in VTOL aircraft. Subscale tests demonstrated the novel configuration's net positive lift and low drag through the ascent/hover, cruise and descent/hover phases of flight.
