
Brèves de l'industrie aérospatiale – 25 avril 2022

Industrie Aérospatiale

Field Aerospace (22 avril)

Field Aerospace will supply a de Havilland Canada Dash 8-300 to the British Antarctic Survey (BAS) to replace its current DHC-7. Subcontractors include De Havilland Canada, which will provide the base aircraft, and Collins Aerospace, which will supply a cargo bay door for installation. The aircraft will be fitted with a reconfigurable interior, an alternate medical transport configuration, long-range fuel tanks and an extensive flightdeck upgrade.

Collins Aerospace (21 avril)

Collins Aerospace investit 18 millions de dollars dans un programme de R&D en France pour remplacer la puissance hydraulique des actionneurs de vol par une puissance électrique. Ce projet sera réalisé par les sites de Saint-Ouen-l'Aumône (Val-d'Oise) et de Saint-Marcel (Eure).

GE Aviation / BAE Systems (21 avril)

GE Aviation has selected BAE Systems to design, test and supply energy management components for its megawatt (MW) class hybrid electric propulsion system, currently in development. BAE Systems will provide the battery and related cabling used to store electricity that powers the GE Aviation motor/generator.

Boeing B787 (20 avril)

Boeing has advised key customers and parts suppliers that 787 Dreamliner deliveries will resume in the second half of 2022.

Skytrac /Troo Corporation (20 avril)

Skytrac has acquired Troo Corporation's aviation division headquartered in Ottawa. Its TrooTrax platform delivers web-based mapping, GIS and data management, and is designed specifically for the aviation industry with input from leading operators. TrooTrax services include real-time map-based predictive flight following, mission monitoring and location intelligence to operational control centers (OCCs) and flight departments.

Bombardier (19 avril)

Bombardier has designated its Wichita facility as its new U.S. Headquarters. Bombardier in Wichita includes Bombardier Defense as well as an expanding service centre that supports Bombardier's business jets. The site also continues to perform testing and certification of aircraft upgrades on all Bombardier aircraft programs.

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Lockheed Martin (19 avril)

Lockheed Martin Corporation reported first quarter 2022 net sales of \$15.0 billion, compared to \$16.3 billion in the first quarter of 2021. Cash from operations was \$1.4 billion compared to \$1.7 billion in the first quarter of 2021.

Embraer (19 avril)

Embraer delivered a total of 14 jets in the first quarter of 2022, of which six were commercial aircraft and eight were executive jets (six light and two large). As of March 31, its civil aircraft firm order backlog totaled USD 17.3 billion.

Backlog - Commercial Aviation (March 31, 2022)

Aircraft Type	Firm Orders	Deliveries	Firm Order Backlog
E170	191	191	-
E175	840	697	143
E190	568	565	3
E195	172	172	-
E190-E2	20	17	3
E195-E2	201	35	166
Total	1,992	1,677	315

Note: Deliveries and firm order backlog include orders for the Defense segment placed by State-run airlines (Satena and TAME).

Aviation Commerciale

S7 Airlines (21 avril)

The Russian carrier S7 Airlines has been temporarily suspended from the Oneworld global alliance which includes, among others, American Airlines, British Airways, China's Cathay Pacific, Spain's Iberia, Japan Airlines, Australia's Qantas and Qatar Airways.

Mexico's commercial aviation (18 avril)

Mexico currently has seven leading airlines. The three largest ones include two low-cost carriers, Volaris and VivaAerobus, as well as Mexico's sole full-service carrier Grupo Aeromexico. These three carried a total of 54 million passengers in 2021. Four smaller carriers, Aeromar, Magnicharters, Transportes Aéreos Regionales, and Aéreo Calafia carried 1.4 million passengers.

Aviation d'affaires

Jefferies / preowned business jets inventory (21 avril)

The number of preowned business jets for sale this month is down 54 percent from a year ago according to analyst Jefferies. Overall, 2.3 percent of the fleet is available for sale, while average pricing is up 16 percent year-over-year.

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Amber Aviation (19 avril)

Amber Aviation received its first batch of Gulfstream G450s through its partnership with NetJets, enabling the company, based in Shenzhen, China to offer private aviation services through its new sub-brand, AmberNet.

NetJets (18 avril)

NetJets has taken delivery of the 100th aircraft for its European fleet, a midsize Cessna Citation Latitude. Globally, NetJets has more than 800 business jets in its fleet. Its fleet investment plan calls for the addition of more than 130 business jets valued at €2.2 billion (\$2.36 billion) by the end of 2022.

Textron Pipistrel (18 avril)

Textron has closed its acquisition of Pipistrel. Pipistrel's Velis Electro is the world's first, and currently only, electric aircraft to have received full type certification from the European Union Aviation Safety Agency (EASA).

WingX Advance (14 avril)

The Russia-Ukraine war is dampening the record levels of business jet activity in Europe although activity is still 7 percent above April 2019 levels. In January, before the conflict, it was 14 percent above 2019 levels. Germany has seen the most impact from the conflict with activity declining 13 percent versus a year ago. North America is still experiencing record activity levels, up 25 percent from April 2019, and five times the April 2020 value.

Défense

AERALIS / Hamble Aerostructures (22 avril)

British aircraft developer AERALIS has partnered with Hamble Aerostructures, which will perform integrated design and manufacturing of the common core fuselage and canopy of its modular military jet aircraft.

Airbus C295 (21 avril)

The Republic of Angola has placed a firm order for three Airbus C295s; two aircraft will be equipped for maritime surveillance and one for transport missions.

Aero Vodochody (21 avril)

Aero Vodochody will supply 12 L-39NGs to the Hungarian Air Force, with the first aircraft expected to be delivered in 2024. This contract comes just six months after the Prague-based company was acquired by Hungarian company HSC Aerojet.

Israël (21 avril)

Israël a enregistré en 2021, par rapport à 2020, une hausse de 30% de ses exportations de systèmes d'armement. Sur deux ans, la hausse est de 55%. Le premier client à l'export est l'Europe (41% des ventes), suivie de l'Asie-Pacifique (34%), et de l'Amérique du Nord (12%).

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Leonardo (20 avril)

Leonardo has received a \$US 29 million contract from the U.S. Department of Defense for new AW119Kx aircraft in the framework of Foreign Military Sales (FMS) to Israel. The aircraft will be produced at Leonardo's facility in Philadelphia, Pennsylvania.

Netherlands MoD / FlightSafety International (20 avril)

The Netherlands MoD has awarded FlightSafety International a two-year contract (with two option years) worth €918,000 (\$997,000) to provide Gulfstream G650 maintenance training for Royal Netherlands Air Force (RNLAf) ground crew personnel. A single G650 is being procured in Q4 2022 to replace a Gulfstream IV military VIP aircraft in the RNLAf fleet.

Bombardier Defense (19 avril)

Bombardier Defense has received firm orders for modified versions of its Global 6000 aircraft, as part of a potential \$US 465 million order from the United States Air Force (USAF) in support of the Battlefield Airborne Communications Node (BACN) program.

Northrop Grumman (19 avril)

Northrop Grumman has suspended production of the Firebird optionally piloted MALE ISR aircraft after failing to obtain export orders for the platform.

Aerovironment (19 avril)

Aerovironment is donating more than 100 of their Quantix™ Recon unmanned aircraft systems (UAS) and related operational training services to Ukraine. This is independent of other AeroVironment systems already being provided to Ukraine by the U.S. government.

Bell (19 avril)

Bell has updated the design of its V-247 Vigilant, including scaling down the autonomous drone's size, to fit the requirements for the Marine Air-Ground Task Force Unmanned Aerial System Experimental program. This program is part of the Future Vertical Lift Maritime Strike initiative, and the goal is for the drone to function as a strike and surveillance aircraft.

DoD US (18 avril)

Boeing, L3 Harris Technologies, Raytheon Technologies, BAE Systems, Lockheed Martin, HII, General Dynamics and Northrop Grumman attended a meeting at the Pentagon to discuss ways of boosting production capacity for weapons and equipment that can be exported rapidly and deployed with minimal training.

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MRO

Morocco (21 avril)

Sabca and Sabena have signed a strategic partnership with Lockheed Martin to build a new military aircraft maintenance facility in Morocco to support various military aircraft used by the Royal Moroccan Air Force. Maintenance Aero Maroc will operate the 15,000 square meter (161,458 square-foot) facility.

FL Technics (18 avril)

FL Technics (Lithuania) has invested in a dedicated business line and a specialised shop in Germany for wheel and brake MRO. The facility has now started operations under the FL Technics name.

Global Aircraft MRO market / Industry Research (18 avril)

According to Industry Research, the global Aircraft MRO market is expected to reach \$US 146,100 million by the end of 2024, growing at a CAGR of 3.7% between 2019 and 2024. The largest geographic markets are North America, Europe and China, Singapore and Korea. North America accounted for the highest market share (41%) in 2017, followed by Europe.

Drones - Advanced Air Mobility

L&T Technology Services / Jaunt Air Mobility (22 avril)

L&T Technology Services Limited has received a multi-year \$100 million contract from Jaunt Air Mobility (Jaunt). As part of the contract, LTTS will open an engineering and R&D center in the Province of Québec to provide engineering services for the Jaunt Journey eVTOL air taxi.

Thales / Eve (20 avril)

Eve UAM and Thales have teamed up to support the development of Eve's eVTOL aircraft in Brazil. The strategic partnership includes a series of joint studies during 2022 on the technical, economic and market feasibility of a 100% electrically powered aircraft.

Hexcel / Archer Aviation (20 avril)

Hexcel plans to supply lightweight carbon fibre and highly toughened resin systems for composite parts for Archer Aviation's eVTOL Urban Air Mobility (UAM) aircraft.

AirMatrix (19 avril)

AirMatrix will accelerate research and development efforts for its platform to develop communications standards for commercial drone operations. As part of The City of Calgary's Living Labs program, participating drone pilots will begin utilizing the AirMatrix software platform inside an allocated zone within city boundaries to begin logistics and public services operations testing. AirMatrix is receiving conditional funding from the National Research Council of Canada Industrial Research Assistance Program (NRC IRAP) in support of the project.

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Spatial

Rocket Lab (20 avril)

Rocket Lab plans to use a Sikorsky S-92 helicopter to recover the first stage of a reusable satellite launch vehicle in midair. Rocket Lab has fitted the highly modified helicopter with auxiliary fuel tanks and plans to capture the parachuted launch stage with a line hook at a location approximately 150 miles from its launch site on New Zealand's Mahia Peninsula.

United Launch Alliance (ULA) / L3Harris Technologies (18 avril)

United Launch Alliance (ULA) has contracted L3Harris Technologies to provide avionics and communication equipment to support Amazon's Project Kuiper launches for a five-year period. L3Harris will provide communication transmitters, range safety receivers, power distribution and control, data acquisition, flight computers and inertial measurement units.

Innovation

Metallic advances for Aeronautics (22 avril)

Le projet Metallic advances for Aeronautics (MAMA) par l'Institut de Recherche Technologique Saint-Exupéry (Toulouse), Airbus, et Aubert & Duval, prévoit de réduire les coûts de fabrication des pièces de structure primaire aéronautiques en alliage de titane, en proposant de nouvelles conditions de forgeage et matriçage en les associant à de la fabrication additive par dépôt de poudres et de fils métalliques.

Piasecki Aircraft Corp. (PIAC) / edm aerotec (19 avril)

Piasecki Aircraft Corp. (PIAC) and edm aerotec have signed an agreement to develop the world's first hydrogen-powered helicopter. Piasecki would be performing the world's first human-carrying flight tests aboard edm aerotec's CoAX-2D helicopter. The hydrogen-powered CoAX-2D would use an 80-kW HyPoint high-temperature proton-exchange membrane (HTPEM) fuel cell.

Airborne International (19 avril)

Airborne International, headquartered in The Hague, a specialist in advanced composite products, has received 16 million euros (\$17.4 million) from the European Investment Bank (EIB), to support R&D to develop automated and digital manufacturing of composites and development of advanced products for new space and big science applications.

GE Aviation (19 avril)

GE Aviation has partnered with Tamil Nadu Industrial Development Corporation (TIDCO), the industrial development agency of the government of Tamil Nadu, to establish a centre of excellence (CoE) to create an ecosystem of advanced R&D in additive technologies.

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