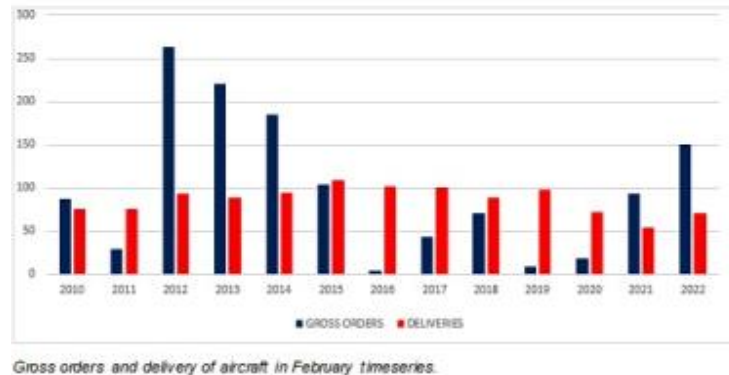


Brèves de l'industrie aérospatiale – 11 avril 2022

ADS (28 mars)

February orders for Airbus and Boeing aircraft totalled 135 single-aisles and 15 wide-bodies, the highest since 2014. The backlog remained above 13,000 for the third consecutive month.



Industrie Aérospatiale

Safran Electrical & Power /Aura Aero (8 avril)

Safran Electrical & Power et Aura Aero signe un accord de collaboration portant sur l'architecture et la propulsion électrique de deux aéronaves : l'avion de formation Integral E et l'avion régional ERA (Electric Regional Aircraft).

Liebherr-Aerospace et Hindustan Aeronautics Limited (HAL) (7 avril)

Liebherr-Aerospace et Hindustan Aeronautics Limited (HAL) ont signé un MOU pour des coopérations pour les avions et hélicoptères de HAL en matière de trains d'atterrissage, de systèmes commandes de vol, de systèmes d'air et de transmission de puissance.

Boeing (6 avril)

Boeing plans to deliver the first 777X freighter to launch customer Qatar Airways in 2027. Qatar Airways has ordered up to 50 Boeing 777-8 freighters (34 firms +16 Options).

Liebherr (5 avril)

Le chiffre d'affaires de la division Aerospace & Transportation Systems du Groupe a dépassé le milliard d'euros, en croissance de 6,7% par rapport à 2020. Liebherr a investi 559 M€ dans la recherche et le développement en 2021.

Crouzet (5 avril)

Tikehau Ace Capital, Bpifrance et Société Générale Capital Partenaires négocient pour l'achat de Crouzet (CA 160 M€), lui permettant ainsi d'accélérer son développement à l'international.

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CFM International (5 avril)

CFM International fournira Air France-KLM avec des moteurs LEAP-1A pour équiper sa future flotte d'Airbus A320neo et A321neo (100 fermes et 60 options).

Airbus (4 avril)

Airbus may further delay its production rate increase plans for the A350 after sanctions on Russia and a legal fight with Qatar Airways weakened the delivery outlook. The current goal to move from five to six aircraft per month starting in early 2023 may now slide to the end of 2023.

Sikorsky / Collins Aerospace (1 avril)

Sikorsky has selected the Perigon flight control computer built by Collins Aerospace for the Sikorsky-Boeing Defiant X helicopter. The companies are jointly developing the rotorcraft for the US Army Future Long Range Assault Aircraft (FLRAA) competition.

Leonardo (1 avril)

Leonardo has confirmed sales of 23 helicopters (15 AW139, three AW169s, three AW109, one AW119Kx and one AW189) valued at 256 million EUR to be delivered in 2022 and 2023.

Parker-Hannifin (1 avril)

Parker-Hannifin is set to gain EU antitrust clearance for its 6.3 billion pound (\$8.3 billion) bid for Britain's Meggitt after offering to sell a U.S. factory to address competition concerns.

Aviation Commerciale

Airbus (8 avril)

Airbus delivered 63 planes in March, bringing the first-quarter total to 142 or 47 per month. Deliveries were dominated by A320neo-family narrowbodies, mostly to low-cost carriers, plus nine A330 and A350 wide-bodies and five A220s. Airbus is targeting at least 720 total deliveries in 2022, or an average of 60 planes a month.

Lynx Air (7 avril)

Lynx Air made its inaugural flight, marking its entry into Canada's growing ultra-low-cost carrier market. It currently operates three Boeing 737 MAX 8 aircraft and has firm orders and lease agreements for 46 Boeing 737 MAX aircraft to be delivered over the next seven years.

USA sanctions/Aeroflot, Azur Air and UTair (7 avril)

The United States is taking enforcement action aimed at preventing Russian airlines Aeroflot, Azur Air and UTair from continuing to operate, both domestically and internationally. U.S. export controls also apply to parts needed to maintain these aircraft.

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IATA (7 avril)

En 2021, 57 nouvelles compagnies aériennes ont été créées (dont 12 pour le cargo) pour rappel en 2019, 42 nouvelles compagnies (dont 8 pour le cargo) et 29 en 2020. En ce qui concerne le cargo, avant la crise, le prix moyen du fret aérien représentait 12,5 fois celui du fret maritime et en septembre 2021, le transport aérien ne représentait plus que 3 fois celui du maritime.

Thales (7 avril)

Thales va créer la première station radar de contrôle du trafic aérien au monde entièrement alimentée par l'énergie solaire au Chili pour la Dirección General de Aeronáutica Civil (DGAC).

Air Lease Corp. / Boeing 737 MAX (4 avril)

Air Lease Corp. confirmed its order for 32 Boeing 737 MAX aircraft which will bring its MAX backlog to 130.

Buffalo Airways (4 avril)

Buffalo Airways (Yellowknife, NT) has purchased a Boeing 737-300SF to meet increased customer demand for next-day freight delivery.

TAG Airlines (31 mars)

Transportes Aéreos Guatemaltecos (TAG Airlines) entered into lease agreements with Willis Lease Finance Corporation for four ATR 72-500 aircraft, powered by Pratt & Whitney Canada PW127M engines. TAG has been launching new routes across Central America.

Air Canada (30 mars)

Air Canada plans are for 2022 capacity, measured by available seat miles, to be up about 150 per cent compared with 2021 but still only 75 per cent of where it was in 2019.

Cirium /Russie (29 mars)

Cirium data suggests that as of March 29, of the 515 aircraft owned or managed by Western lessors that were placed with Russian carriers before the war in Ukraine, 79 have been repossessed or were outside of Russia at the start of the conflict.

Aviation d'affaires

Exclusive Jets / Textron Aviation (6 avril)

Exclusive Jets, operating as flyExclusive has purchased 30 Textron Aviation Cessna Citation CJ3+ light twinjets. Delivery of the first five aircraft is expected in 2023.

Textron Aviation (4 avril)

Textron Aviation has received FAA type certification for its Cessna Citation M2 Gen2 business jet, and delivered the first aircraft to a customer.

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PrivatFly (4 avril)

Sales of jet card provider PrivateFly increased 258 percent year-over-year in the first quarter. PrivateFly offers fixed hourly rates and guaranteed flights within Europe.

Titan Aviation Fuels (4 avril)

Titan Aviation Fuels acquired Geneva-based aviation fuel reseller Akryl. Titan, which supports more than 550 U.S. FBOs in its network, will extend its aviation fuel supply footprint and contract fuel program for U.S. and Canadian customers to Europe, Africa and the Middle East.

Défense

Leonardo Helicopters (8 avril)

Leonardo Helicopters is delivering phase three of the Wildcat Integrated Support and Training (WIST) contract for the 60 Wildcat helicopters in service with the British Army and Royal Navy.

HAL (7 avril)

Hindustan Aeronautics Limited (HAL) has signed an M.O.U. with Israel Aerospace Industries (IAI) for the conversion of Boeing 767 passenger aircraft into multi-mission military tanker transports.

General Electric (6 avril)

In November, General Electric expects to deliver Improved Turbine Engine Program (ITEP) engines, developed for the US Army's Future Attack Reconnaissance Aircraft (FARA), to the two competitors Bell and Sikorsky. Their prototypes are scheduled to fly in 2023.

Sikorsky-Boeing / Team DEFIANT (4 avril)

Sikorsky-Boeing announced six new members of Team DEFIANT (ATI Forged Products, Collins Aerospace, Elbit Systems of America, Parker Aerospace, Magnaghi Aeronautica, Marotta Controls). DEFIANT X is competing for the US Army Future Long-Range Assault Aircraft (FLRAA) program.

Teal Drones (4 avril)

Puerto Rico-based Teal Drones, a subsidiary of Red Cat Holdings, has received an order from an unnamed European NATO member state to supply 15 Golden Eagle short-range micro-UAVs including spare parts and training for onward transfer to Ukraine.

Elbit Systems UK (1 avril)

The UK MOD has selected Elbit Systems UK to deliver surveillance drones for the British Army. It will provide five swarms of six vertical take-off and landing unmanned aerial systems under the army's Robotics and Autonomous Systems project.

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MRO

N3 Engine Overhaul Services (8 avril)

N3 Engine Overhaul Services (JV of Lufthansa Technik and Rolls-Royce) is celebrating its 15th anniversary. It has overhauled 1,360 engines from over 50 international airlines in that time.

Thomas Global Systems (6 avril)

Thomas Global Systems has confirmed SkyWest Airlines as the launch customer of the TFD-4000 liquid crystal display (LCD) upgrade for the Bombardier CRJ's Pro Line 4 flight deck.

Volare Aviation (4 avril)

Volare Aviation has opened a helicopter MRO facility at London Oxford Airport for Leonardo, Airbus and Sikorsky models. It has the capacity for up to 12 twin-engine executive helicopters.

Airbus-Chine (2 avril)

Airbus ouvrira fin 2023 un centre dédié à la maintenance et au recyclage des avions à Chengdu. Le site de 690 000 m² aura une capacité de stockage de 125 avions.

GE Aviation (1 avril)

GE Aviation's Singapore facility has become the first MRO facility worldwide approved to use metal additive manufacturing for commercial jet engine component repairs.

Drones - Advanced Air Mobility

Destinus (8 avril)

Destinus, installée en Suisse, en Allemagne, en Espagne et en France, développe un drone cargo hypersonique, Hyperplane, propulsé à l'hydrogène et capable d'atteindre Mach 15.

Dufour Aerospace (7 avril)

Swiss-based Dufour Aerospace will establish an engineering site in Montreal. Dufour has not yet chosen a manufacturing site.

Blueberry Aviation / Dufour Aerospace (4 avril)

Blueberry Aviation will acquire 100 Aero2 and 100 Aero3 products from Dufour Aerospace and will provide marketing advisory and placement support.

Lilium (4 avril)

Lilium has delayed the projected timeline to achieve type certification of its seven-seat eVTOL Lilium Jet to 2025. It will begin construction of a first production-conforming aircraft to be used in the EASA type certification process in 2023.

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Wing (4 avril)

Walgreens has teamed with Alphabet-owned drone delivery company Wing to start a delivery test in select neighborhoods in the North Texas towns of Frisco and Little Elm.

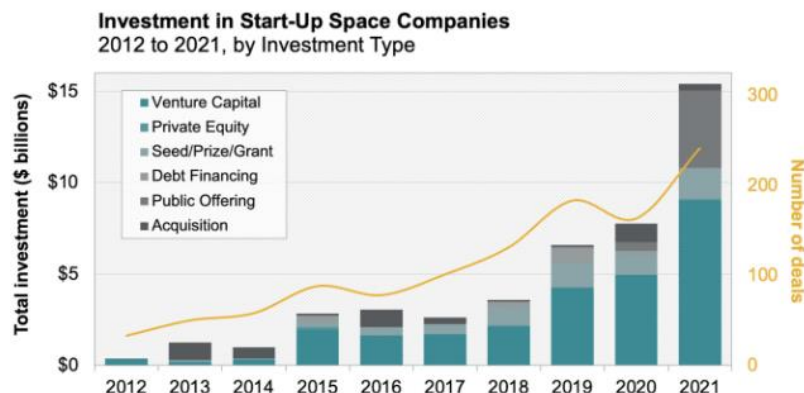
Spatial

3 mai webinaire « Space Collaboration between the EU and Canada » - EUCCAN

La Chambre de commerce de l'Union européenne au Canada (EUCCAN) organise un webinaire sur le domaine spatial. Aerospace Industries Association of Canada (AIAC), Airbus et Thales seront présents.

Investments in Startup Space companies

Startup space companies raised \$15.4 billion in financing in 2021, double the amount raised in 2020. 2021 also set a record for the number of space startup investments made, with 241 transactions completed, up 48% from 2020. The average deal size climbed 35% to \$64 million.



Avio (8 avril)

The European Commission and the European Space Agency have chosen the new European launcher Vega C, developed by Avio, to launch, in the first half of 2023, the Sentinel 1C satellite. It will support Earth Observation (EO) applications using synthetic aperture radar technology.

Amazon (5 avril)

In the largest commercial launch deal to-date, Amazon is purchasing up to 83 launches from Arianespace (Ariane 6), Blue Origin (New Glenn) and United Launch Alliance (Vulcan Centaur) for most of the 3,236-satellites required for its Project Kuiper broadband mega-constellation.

Thales Alenia Space/ Microsoft (5 avril)

Thales Alenia Space collaborera avec Microsoft pour explorer le développement de nouvelles capacités dans les systèmes embarqués de traitement informatique SEC (Space Edge Computing), les outils d'observation géospatiale basés sur l'intelligence artificielle (DeeperVision) et le segment sol numérique.

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Innovation

Infosys / Rolls-Royce (8 avril)

Infosys and Rolls-Royce have officially launched their joint Aerospace Engineering and Digital Innovation Centre in India. It will provide research and development (R&D) services integrated with advanced digital capabilities.

Brevets (5 avril)

Les États-Unis, le Japon, la Chine, l'Allemagne et la France sont les cinq premiers pays pour le dépôt de brevets selon l'Office européen des brevets. La Chine est en forte croissance avec une augmentation de 24% de demandes de brevets particulièrement dans le numérique, la communication numérique, l'intelligence artificielle et l'intelligence des objets.

NRC (4 avril)

The National Research Council of Canada (NRC) has flown a Cessna 337 Skymaster with a fully electric propulsion system that includes an electric motor, battery and supporting systems. The Hybrid Electric Aircraft Testbed (HEAT) project is part of the Low Emission Aviation Program of NRC's Aerospace Research Centre.
