

Brèves de l'industrie aérospatiale – 6 juin 2022

Industrie Aérospatiale

Airbus (3 juin)

Airbus delivered between 45 and 47 aircraft in May, down 6% from the same month last year, according to industry sources and tracking data.

Novae (2 juin)

Novae (ingénierie de fabrication, support opérationnel et la maintenance, formations techniques) entend élargir son offre et poursuivre son développement international. Avec près de 300 salariés et un chiffre d'affaires de 30 M€, Novae a des clients tels que Safran, Dassault Aviation, Airbus et est présente au Maroc, en Inde, à Abou Dhabi et à Singapour.

Safran Landing Systems Canada (1 juin)

Safran Landing Systems Canada à Toronto a remporté un contrat auprès de Lockheed Martin pour assurer la conception, le développement et les essais de qualification d'une structure de train d'atterrissage pour un nouvel avion.

CAE fourth quarter fiscal 2022 (1 juin)

CAE fourth quarter fiscal 2022 revenue was \$955.0 million, compared with \$894.3 million last year. Annual fiscal 2022 revenue was \$3.4 billion, compared to \$3.0 billion last year. Revenue was 23% higher this year, excluding \$230.6 million last year from the ventilator contract.

Rolls-Royce (31 mai)

Rolls-Royce's Pearl 10X has surpassed 1,000 test hours as it prepares for service entry on Dassault's Falcon 10X.

TransDigm Group / Dart Aerospace (31 mai)

TransDigm Group has completed its \$360 million acquisition of aftermarket components manufacturer Dart Aerospace from Greenbriar Equity Group and First Aviation Services.

Embraer (30 mai)

Embraer prévoit pour 2022 des revenus qui devraient atteindre entre 4,5 et 5 milliards de dollars. Embraer a déjà reçu des commandes pour 5 milliards de dollars.

UK ADS (30 mai)

Global airliner orders for April have seen a continuation of the strong order books seen at the start of the year and a continuation of recovery in market demand and confidence.

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A total of 138 single-aisle and six wide-body aircraft were ordered, the highest April for new orders since 2018. Aircraft manufacturers delivered a total of 83 aircraft, 13 wide-body and 70 single-aisle, an improvement of 34% on April 2021. Compared to orders, deliveries are below pre-pandemic trends but in line with the ADS forecast of 2022 global deliveries reaching 997 aircraft. UK aerospace manufacturing output remains significantly weaker than February 2020, with output reduced by 40.5%.

Chart: Global Orders and Delivery of Aircraft in April by Year



AVIC /Airbus Helicopters (28 mai)

The AC352 medium twin-engine multi-purpose civil helicopter jointly developed by AVIC and Airbus Helicopters has completed its function and reliability flight test phase. The new helicopter has now begun the process of obtaining certification.

Aviation Commerciale

Atlas Air- B747-8 F (3 juin)

Atlas Air has taken delivery of one of its last four Boeing 747-8 freighters. The final three aircraft will be delivered by the end of 2022. Atlas Air is currently the largest Boeing 747 operator, with 47 747 freighters in its fleet.

Flair Airlines (1 juin)

Flair Airlines has received regulatory approval to continue operating in Canada. The airline flies three 737 NGs and 11 737 MAX aircraft and seeks to double its fleet by the end of next year.

Norwegian Air (30 mai)

Norwegian Air has ordered 50 Boeing 737 MAX and secured the option to purchase a further 30 aircraft. They will be delivered between 2025 and 2028.

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Civil Aviation Administration of China (CAAC) (30 mai)

The CAAC has reportedly banned Airbus and Boeing aircraft operated by Russian airlines from entering Chinese airspace. Several Russian airlines received and later published memos citing the ban. The Russian airlines that operate domestically made aircraft, such as the Tu-204 and the Il-76, continue flying to China.

airBaltic (29 mai)

Latvian flag-carrier airBaltic has taken delivery of its 36th Airbus A220-300 aircraft; the fourth of eight planned A220-300 aircraft deliveries in 2022. By 2024, the airline expects to have a total of 50 A220-300s and is currently the world's largest operator of the Airbus A220-300.

Breeze (28 mai)

Breeze has operated its first-ever flight using its new Airbus A220 aircraft. With 80 A220 on order and options for 40 more, the A220 will be Breeze's transcontinental workhorse.

Aviation d'affaires

YTD March change in Business Aviation Departures (Jan-Mar 2022 vs Jan-Mar 2019) **WINGX**



Gulfstream (3 juin)

Gulfstream will add more than 200 positions and a new paint hangar at its facility in Appleton, Wisconsin. This investment of more than US\$55m is a continuation of expansion across the company, including new facilities in Fort Worth, Texas, and Mesa, Arizona, and an expansion of its Customer Support call centre in Farnborough, UK.

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Flexjet (2 mai)

Flexjet is launching a private helicopter division that will integrate Sikorsky S-76 operator Associated Aircraft Group (AAG), which was acquired last year by OneSky Flight, a sister unit of Directional Aviation. Service will begin with 12 helicopters in the Flexjet livery and interior.

EASA (31 mai)

EASA has undertaken two rulemaking actions to develop environmental safeguards for the new generation of supersonic business jets and airliners (SSTs) that are expected to become operational in the late 2020s.

Dassault Aviation Falcon 10X (30 mai)

La production des pièces du Falcon 10X est en cours, l'assemblage final du premier avion devant commencer l'année prochaine. La production et l'assemblage du biréacteur s'accélèrent sur les sites d'Europe et d'Amérique du Nord, notamment sur le nouveau site de fabrication intelligente Factory 4.0 de Seclin. La certification et l'entrée en service sont prévues pour la fin 2025. Un nouveau hall de production à Biarritz est consacré à l'aile de l'avion, entièrement en composite.

Défense

Canada / Boeing Team Poseidon (2 juin)

Boeing and Team Poseidon comprised of CAE, GE Aviation Canada, IMP Aerospace & Defence, KF Aerospace, Honeywell Aerospace Canada and Raytheon Canada, announced their intention to collaborate to position the P-8A Poseidon to replace the CP-140 Aurora. Boeing's proposal would involve the participation of more than 600 Canadian suppliers.

Germany / Chinook helicopters (1 juin)

The German Bundeswehr plans to acquire 45 to 60 Chinook CH-47F helicopters for some four billion euros (\$4.29 billion), to be delivered between 2023 and 2029.

SAAB (1 juin)

Saab has received an order from the Swedish Defence Materiel Administration, FMV, to perform studies on future combat air capabilities.

Government of Canada /Bell Textron (31 mai)

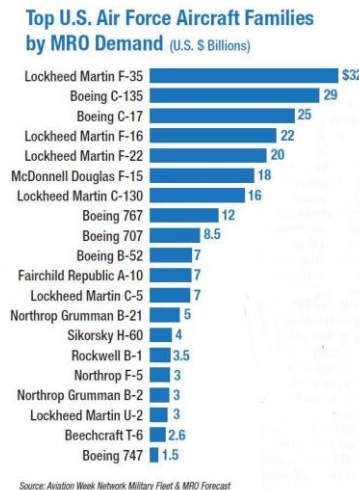
The Government of Canada has awarded a contract worth nearly \$800 million to Bell Textron Canada Limited (BTCL) to extend the life of the RCAF fleet of 85 CH-146 Griffon helicopters until at least the mid-2030s. BTCL will perform modifications on the first nine helicopters, and will then sub-contract suppliers to install modifications on the remaining 76. BTCL established Team Griffon for this project, which includes CMC Electronics and Pratt & Whitney Canada.

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Turkey TF-X / Rolls-Royce (31 mai)

Turkey's procurement organisation has issued to Rolls-Royce a request for proposals for co-production of an engine for the country's indigenous fighter aircraft, the TF-X.

MRO



Cadorath (3 juin)

Cadorath, headquartered in Winnipeg, has completed a new repair design in partnership with Roll-Royce for the M250 Series IV engine. The new repair will fabricate and replace the air tube flanges on the Series IV Outer Combustion Case (OCC). There are approximately 5,000 Series IV turbine engines in service today that will benefit from the new repair.

Groupe Blueberry- Orizio (2 juin)

Le groupe Blueberry (SABCA, Sabena Aerospace) vient de changer de nom suite à l'acquisition de deux filiales de Lufthansa Technik. Dénommé Orizio, ce groupe cherche à diversifier son offre un maximum et comprend notamment de la R&D, de la maintenance d'appareils ou encore du recyclage de pièces aéronautiques. Désormais, toutes les activités de maintenance et ingénierie sont regroupées au sein de Sabena Aerospace, qui devient Sabena Engineering.

Täby Air Maintenance (27 mai)

Täby Air Maintenance has delivered its 30th Saab 340 cargo conversion. The Saab 340B was converted on behalf of Latvia-based RAF-Avia. The backlog for 350 kits as well as full conversions stretches into 2023.

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Drones – Advanced Air Mobility

Honeywell (1 juin)

Honeywell has tested a one-megawatt generator designed specifically for hybrid electric aircraft. The generator weighs 280 pounds and has an efficiency rating of about 97 percent. its small size represents a major technological advance in hybrid aircraft development.

Vertiko Mobility /Jaunt (1 juin)

Vertiko Mobility and Jaunt have signed a letter of intent to deploy at least 70 of Jaunt Air Mobility's Journey eVTOL aircraft to launch air taxi services across Quebec in 2026. Contract signature is expected during the second quarter of 2025, with the four-passenger vehicle expected to complete type certification that year.

Safran Electrical & Power (1 juin)

Safran Electrical & Power et TCab Tech, leader d'eVTOL en Chine, signent un accord pour équiper l'eVTOL 100% électrique E20 avec des moteurs électriques intelligents ENGINEUS.

Embraer Eve/ Porsche (1 juin)

Embraer's Eve has engaged Porsche Consulting to help define the supply chain, manufacturing and logistics strategy for its electric vertical takeoff and landing vehicle.

Lilium (31 mai)

Lilium will be using Zenlabs' battery cell technology to power its Lilium Jet eVTOL aircraft. As an investor in Zenlabs since 2021, Lilium has exclusive rights to use the battery cell technology in commercial regional eVTOL applications.

Lilium (27 mai)

Lilium has selected Aernnova for the design and manufacture of the Lilium Jet's propulsion mounting system or "flap", which produces lift by interacting with airflow from the engine.

Spatial

Sierra Space / Spirit AeroSystems (31 mai)

Spirit AeroSystems will assist Sierra Space in the development and production of Shooting Star, the cargo module attached to the aft end of the Dream Chaser lifting body vehicle. That module will support future cargo missions to the International Space Station.

Astrocast /Hiber (31 mai)

Smallsat operator Astrocast will buy Dutch connectivity solutions provider Hiber, which would give it spectrum in the Americas to enable its growing constellation for connecting Internet of Things (IoT) devices to operate globally.

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Thales Alenia Space /Omnispace (27 mai)

Thales Alenia Space et Omnispace ont mis en orbite le satellite Omnispace Spark-2, qui marque la fin de la phase initiale de développement et de livraison du premier réseau mondial de satellites de communication 5G.

Innovation

Purdue University /Rolls-Royce (3 juin)

Purdue University and Rolls-Royce have signed a research and testing agreement that will bring \$75 million in funding over 10 years to the West Lafayette, Indiana campus. It will fund testing and research in the areas of gas turbine, electrical and digital technologies.

Thales Canada-Synergy (1 juin)

Thales in Canada is building innovation infrastructure to support the potential of Canadian small and medium-size businesses (SMBs) to bring advanced military technologies to market. Named Synergy, it is a collaborative program. To date, two Canadian SMBs are participating in the inaugural Synergy program: TerraSense Analytics Inc. and Pegasus Imagery Ltd.

France Toulouse / Techno campus hydrogène (1 juin)

La Région Occitanie annonce un plan de 100 M€ en faveur de l'avion décarboné qui comprendra 35 M€ destinés à construire, en métropole toulousaine, un techno campus hydrogène à l'horizon 2024, une plateforme technologique de 10 000 m² réunissant de grands industriels comme Airbus, Safran, ATR et Liebherr Aerospace, aux côtés des chercheurs du CNRS, de l'Onera, ou l'Institut polytechnique. L'objectif sera le développement d'une motorisation à hydrogène pour l'aviation mais aussi pour les transports lourds comme les bus ou le ferroviaire.

3D EOS / Hyperganic (31 mai)

3D EOS a un partenariat avec la startup Hyperganic qui a développé un logiciel d'ingénierie algorithmique basé sur l'intelligence artificielle, « Hyperganic Core ». L'objectif est d'intégrer cette plateforme aux solutions d'impression 3D d'EOS, afin de permettre la conception de pièces complexes et optimisées pour les procédés de fabrication additive. L'une des premières réalisations issues de cette collaboration est un moteur de fusée aerospike.

Embraer (30 mai)

Embraer and two of its partners, the Technological Institute of Aeronautics (ITA) and the Sao Paulo Research Foundation (FAPESP) have announced a \$10 millions (R\$48 million) joint investment in an Engineering Research Center (ERC) based in Brazil. The center will explore the future of air mobility over the next five years. The research will focus on three main aspects - low carbon aviation, autonomous systems and advanced manufacturing.

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