

Brèves de l'industrie aérospatiale – 27 juin 2022

Industrie Aérospatiale

Boeing

For the year-to-date (end May 2022), Boeing received 236 orders and 65 cancellations, bringing its net orders to 171 units valued at \$13.6 billion. In comparison Boeing booked 380 orders and 283 cancellations in the same period of 2020, for net orders of 97 units valued at \$9.6 billion.



Boeing Commercial Airplane orders May 2022 (The Aerospace Forum)

Lockheed Martin - CloudNC (22 juin)

Lockheed Martin, Autodesk and British Patient Capital have joined Series B round funding for CloudNC, a UK company developing software that enables autonomous precision manufacturing. It will use the funds to further develop its software as a service (SaaS) offering and roll out at-scale through integrations with CAD/CAM packages such as Autodesk's platforms.

Aubert & Duval (21 juin)

Airbus, Safran et Tikehau ACE Capital ont définitivement acquis Aubert & Duval, un fournisseur stratégique en métaux et alliages (superalliages, titane et aluminium) pour Airbus, Safran, Dassault Aviation, Nexter et Naval Group. L'entreprise possède également une activité de recyclage de titane avec EcoTitanium.

Safran Nacelles Morocco (21 juin)

Safran Nacelles Morocco agrandi son site de production de nacelles des Gulfstream G700/G800 de près de 6 000 m2 et aux 850 employés s'ajouteront 100 personnes d'ici la fin 2022.

Pratt & Whitney Canada / Deutsche Aircraft (20 juin)

Deutsche Aircraft has selected the Pratt & Whitney PW127XT-S engine to power the D328eco regional turboprop, its updated version of the Dornier 328.

Figeac-Aéro/Latécoère (20 juin)

Figeac-Aéro a cédé sa filiale mexicaine, Hermosillo, à Latécoère, site qui réalise déjà plus de la moitié de son chiffre d'affaires avec Latécoère pour la fourniture de pièces élémentaires et de sous-ensembles pour les portes du Boeing 787.

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Rolls-Royce (20 juin)

Rolls-Royce Holdings is offering £2,000 in cash as well as a 4% pay rise to 11,000 shop floor workers in its UK manufacturing plants in response to the increase in cost of living.

STELIA Aerospace/AERQ (19 juin)

STELIA Aerospace and AERQ are proposing an integration of AERQ's OLED based Cabin Digital Signage displays on STELIA Aerospace products. The integration of a 32" UHD OLED Welcome Board is available for the A320neo family and will soon be for the A321XLR.

Aviation Commerciale

Embraer Commercial Aircraft Orders, Deliveries and Backlog*

Aircraft Type	Firm Orders	Deliveries	Firm Order Backlog
170	191	191	—
175	840	697	143
190	568	565	3
195	172	172	—
190-E2	20	17	3
195-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.

*As of March 31, 2022

Source: Embraer

Nav Canada (22 juin)

NAV CANADA has announced a 12-month evaluation of iTEC with NATS, Avinor and Indra. iTEC will support the largest network of Air Traffic Control Centers in Europe, managing two thirds of Europe's air traffic and enabling significant savings in flight time, fuel and operating costs.

Norwegian Air Shuttle ASA ("Norwegian") (22 juin)

Restructured low-cost carrier Norwegian has confirmed its order for 50 Boeing 737 Max 8, which are due to join the fleet between 2025 and 2028.

EasyJet (21 juin)

EasyJet convertit 56 options A320neo en achats fermes avec des livraisons entre 2026 et 2029. EasyJet convertit également 18 Airbus A320neo programmés entre 2024 et 2027 en A321neo.

Association Internationale du Transport Aérien (IATA) (21 juin)

L'IATA considère que la rentabilité au niveau du secteur en 2023 est possible, alors que les compagnies en Amérique du Nord devraient dégager un bénéfice de 8,8 Md\$ dès 2022. Dès cette année, l'IATA prévoit un redressement, avec des pertes réduites à 9,7 Md\$, contre 137,7 Md\$ en 2020 et 42,1 Md\$ en 2021.

Turkish Airlines (20 juin)

Turkish Airlines may order 30 A220-300s in response to increasing regional traffic demand.

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Qatar Airways (20 juin)

Qatar Airways' profits over the past fiscal year reached \$1.5 billion compared to a net loss of \$4.1 billion in the prior year. Revenues were \$14.4 billion, up 78% year over year. It carried 18.5 million passengers during the 2021-22 FY, an increase of over 200% from the previous year.

Westjet (20 juin)

WestJet is planning a "significant" additional order of narrowbody aircraft beyond the 30 new Boeing MAX airplanes to be delivered over the next few years.

Malaysia Airlines (20 juin)

Malaysia Airlines va remplacer ses 21 Airbus A330-200 et -300. Les A330neo, A350 et Boeing 787 sont en concurrence. Le choix final pourrait être annoncé lors du salon de Farnborough.

Qantas Airways /Airbus (19 juin)

Qantas Airways and Airbus will jointly invest up to \$200 million to support Australia's sustainable aviation fuels (SAF) industry. The agreement will help Qantas meet its commitment to use 10 per cent SAF by 2030 versus 1 per cent currently, and plans for 60 per cent by 2050.

Aviation d'affaires

Metal Master (22 juin)

Polish engineering firm Metal Master is preparing its second production-conforming Flaris LAR-1 flight-test aircraft for its first flight and is targeting Polish certification for the five-seat, personal jet in the first half of 2023.

China General aviation (22 juin)

China's five-year general aviation (GA) plan sets a goal for 3,500 GA airplanes and 500 GA airports by the end of 2025. At year-end 2020 there were 2,892 GA airplanes and 339 GA airports in China. The plan supports the introduction of small UAS; 517,000 were registered in China at the end of 2020.

Gulfstream (21 juin)

The Gulfstream G700 has been awarded the 2022 International Yacht & Aviation Award (IY&AA) for excellence in cabin design under the private jet design (exterior and interior) category. In 2020 the company also earned an IY&AA award for the G700's seat design.

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Défense

Global military fleet		
Country	Active fleet	Share
1. USA	13,246	25%
2. Russia	4,173	8%
3. China	3,285	6%
4. India	2,182	4%
5. South Korea	1,595	3%
6. Japan	1,449	3%
7. Pakistan	1,387	2%
8. Egypt	1,062	2%
9. Turkey	1,057	2%
10. France	1,055	2%
11. Other	22,781	43%
Total	53,271	100%

Source: Cirium fleets data

Chypre - Airbus Helicopters (24 juin)

Le ministère de la Défense chypriote devrait commander 6 hélicoptères H145M et 6 options.

Spain- Eurofighter (23 juin)

Spain has signed a €2.043bn contract with the NATO Eurofighter and Tornado Management Agency (NETMA) for 16 single-seater and four twin-seater Eurofighters to replace F-18s operated by the Spanish Air Force from the Canary Islands. Work will be carried out at BAE's facilities in Samlesbury and Warton. 545 Typhoons have been delivered and ordered in Europe.

Northrop Grumman (23 juin)

Northrop Grumman has received a \$248.2 million US Navy contract modification for two MQ-4C Triton UAS under the initial low-rate production phase of the program.

Egypte / Leonardo (21 juin)

The Egyptian government is close to ordering 24 Eurofighter Typhoons that would be built by Leonardo. The contract, valued at around \$3bn, is part of a bigger arms deal valued at between \$10-12 billion which will also include 24 M-346 jet trainers.

Boeing-Saab / T-7A Red Hawk (21 juin)

Boeing has completed fuselage assembly of the last engineering and manufacturing development (EMD) T-7A Red Hawk at its St Louis, MS, facility. Saab has delivered five EMD aft fuselages to Boeing since April 2021. Saab will deliver future aft fuselages to Boeing's new facility in West Lafayette, IN. The USAF awarded Boeing a USD9.2 billion contract for 351 T-7A trainers, 46 ground-based training systems (GBTs), and support in September 2018.

Canada / NORAD (20 juin)

Canada will invest \$4.9 billion over the next six years to upgrade NORAD infrastructure originally installed in the 1950s. This is the first of an estimated \$40 billion to be spent over the next 20 years to upgrade the U.S.-Canadian NORAD early warning system and to purchase other military assets to protect the continent.

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MRO

Standard Aero (22 juin)

StandardAero's business aviation unit inducted its 1,000th Honeywell HTF7000-series engine into its Augusta, GA facility. It is the only OEM-authorized independent heavy MRO provider for this engine model and has performed more major HTF7000 events than any other company.

Embraer (21 juin)

Embraer's services and support unit has opened its expanded MRO facility in Sorocaba, Brazil, in response to a growing domestic business jet fleet. It now has a floor area of 40,000 sq m and four hangars including one that houses an FBO.

Drones – Advanced Air Mobility

Volocopter / Diehl Aerospace (23 juin)

Volocopter and Diehl Aerospace are developing an optical splitter that provides control information to the VoloCity air taxi's 18 rotors to complement the flight control system and other components in providing battery management. Diehl Aerospace (Diehl Aviation/Thales) has developed the primary and backup flight control computers for the VoloCity.

Wingcopter (23 juin)

Wingcopter has raised US\$42m. One of the new shareholders, REWE Group, is one of Germany's largest grocery retailers indicating that Wingcopter will expand beyond medical drone delivery services. With the fresh funding, Wingcopter will be able to further expand its drone delivery services globally and ramp up production of its eVTOL delivery drone, the Wingcopter 198.

Airbus (22 juin)

Airbus is partnering with KLK Motorsport and Modell-und Formenbau Blasius Gerg to design, develop and manufacture the rear structure of the CityAirbus NextGen eVTOL. This will include an ultra-lightweight rear fuselage and composite solutions and components for the prototype.

Spatial

Thales Alenia Space (23 juin)

Thales Alenia Space a un contrat avec l'Agence de l'Union européenne pour le programme spatial (EUSPA) visant à développer la nouvelle version d'Egnos, pour améliorer les messages de positionnement fournis par le système GPS.

Plasmos/Velo3D (23 juin)

Propulsion start-up Plasmos is testing its first rocket engine thanks to an investment from Velo3D, a metal additive manufacturing start-up known for its work with SpaceX. Velo3D's technology has also been used by Lockheed Martin, Relativity Space, Astra and Launcher to manufacture rocket engines and other mission-critical parts.

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Isar Aerospace (22 juin)

Germany's Isar Aerospace plans to launch an orbital transfer vehicle to sun-synchronous orbit for D-Orbit using its Spectrum launch vehicle that it expects to debut this year or next.

South Korea (21 juin)

South Korea has successfully launched its first domestically developed rocket; the Satellite Launch Vehicle II, a 200-tonne liquid fuel rocket informally called Nuri.

Innovation

Safran (24 juin)

Safran lance le programme « Explore H2 » qui vise à identifier, à accompagner et mettre en place des coopérations avec des startups sur ses projets d'innovation et de Recherche et Technologies liés à l'hydrogène. La première sélection se concentrera sur la gestion des flux d'hydrogène dans un ensemble propulsif, de la température et de l'état de l'hydrogène, la surveillance en temps réel de ces systèmes et aux piles à combustible pour l'aéronautique.

Airbus Helicopters (23 juin)

Airbus a effectué le tout premier vol d'un H225 avec du carburant aviation durable (SAF) alimentant à 100% les deux moteurs Makila 2 de Safran. Cet essai fait partie de la campagne de vol visant à comprendre l'impact de l'utilisation du SAF sur les systèmes de l'hélicoptère.

Rolls Royce (22 juin)

Rolls-Royce has announced the development of hybrid-electric turbogenerator technology. It includes a small new engine specifically designed for this application. The technology will be scalable, with a power range between 500 kW and 1,200 kW.

Airbus / UK National Composites Centre (NCC) (21 juin)

NCC is working with Airbus to improve wing aerodynamics. Airbus's 'eXtra Performance Wing' program will develop active control technologies that can adapt the wing shape and area to the weight, speed and altitude of the aircraft in real time.

ATR (21 juin)

ATR in collaboration with Swedish regional airline Braathens and fuel provider Neste, have operated a flight powered by 100% sustainable aviation fuel.

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