

Brèves de l'industrie aérospatiale – 25 juillet 2022

Airbus logged 259 new net orders in the first half 2022				
	Figures for January-June 2022			Year-on-year comparison
Airbus type	Orders	Cancellations	Net orders*	Net orders* for first half of 2021
A220	94	0	94	18
A320 family	308	88	220	18
A330	4	84	-80	2
A350	36	11	25	0
Total	442	183	259	38
Source: Airbus data *Net orders include orders minus cancellations				

Boeing secured 186 first-half 2022 new net orders				
	Figures for January-June 2022			Year-on-year comparison
Boeing type	Orders	Cancellations	Net orders*	Net orders* for first half of 2021
737	233	81	152	188
747	0	0	0	2
767	0	0	0	45
777	46	0	46	24
787	7	19	-12	-16
Total	286	100	186	243
Source: Boeing data *Net orders include orders minus cancellations				

2022 Farnborough Airshow orders

Boeing

- 5 787-9
- 100 737 MAX 10 and 30 options,
- 20 737 MAX 8,
- 2 777-8F cargo variants
- 12 737-8 MAX
- 30 737-8, 737-8-200 and 30 options
- 9 Boeing 737-800 BCF
- 4 787-8
- 25 737 MAX 8s and 25 options

Airbus

- 12 A220-300
- 56 A320neo (upsizing 18 A320neo aircraft to the A321neo model)
- 17 A321neo

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ATR

- 36 ATR 72-600, ATR 42-600, and ATR 42-600S (STOL)
- 10 ATR 72-600
- 10 (STOL) ATR 42-600
- 2 (STOL) ATR 42-600
- 1 ATR 42-600

Embraer

- 20 E195-E2
- 8 E175 and 13 options

Boeing 2022 Commercial Market Outlook (19 juillet)

Boeing has projected demand for more than 41,000 new airplanes through 2041 with a market value of \$7.2 trillion, with the global fleet increasing by 80% through 2041 compared to 2019.

Embraer 2022 Commercial Market Outlook (19 juillet)

Embraer forecasts global demand for smaller aircraft up to 150 seats through 2041 will be around 10,950 units while the demand for new turboprops will be about 2,280 units.

Industrie Aérospatiale

Tikehau Ace Capital / Visco (21 juillet)

Tikehau Ace Capital a acquis Visco (Montargis/France), société spécialisée dans la conception, le développement et la fabrication de pièces et de sous-ensembles complexes et référencée par des donneurs d'ordres tels que Thales, Dassault Aviation, Nexter et Safran.

Curtiss-Wright / A350F (20 juillet)

Airbus has selected Curtiss-Wright to provide custom electric actuation technology for the main deck cargo door on the Airbus A350F. Curtiss-Wright designs and manufactures its electric actuation products at its Shelby, North Carolina and Stratford, Ontario facilities.

Boeing-B787 (20 juillet)

Boeing expects 787 deliveries to resume as soon as this summer, and it will likely begin producing three jets per month, an increase on the current one per month rate. Boeing plans to increase the rate to five per month six months later.

Airbus /London Air Ambulance Charity (LAAC) (20 juillet)

LAAC has ordered two Airbus H135s which are due to be delivered in September and October of 2024 respectively.

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De Havilland Canada - DHC-515 (19 juillet)

Six pays de l'Union européenne (la France, la Grèce, l'Italie, la Croatie, l'Espagne et le Portugal) négocient avec le gouvernement du Canada, une commande de vingt-deux DHC-515 pour des premières livraisons en 2025. La chaîne d'assemblage sera à Calgary.

Collins Aerospace / Pratt & Whitney (18 juillet)

Collins Aerospace has completed the preliminary design for a new 1-MW electric motor that will serve as a key component of the new Regional Hybrid-Electric Flight Demonstrator under development by Pratt & Whitney Canada (P&WC). P&WC plans to start ground testing with the Collins motor later this year in preparation for the start of flight testing in 2024 in Montreal.

CFM (18 juillet)

Delta Air Lines has placed orders with CFM for up to 200 Leap-1B engines with provisions for additional spare engines and options for up to 60 more. They will power the 100 737 MAX 10 with 30 options that Delta has recently ordered.

Aviation Commerciale

Latam Airlines (21 juillet)

Latam Airlines has ordered 17 A321neo (\$2 billion).

Qatar Airways (21 juillet)

Qatar Airways has ordered twenty-five 737 MAX 8 and 25 options.

EasyJet (20 juillet)

EasyJet will buy an additional 56 Airbus A320neo and will upsize 18 A320neo to the larger A321 model.

VietJet Aviation (20 juillet)

VietJet Aviation has confirmed a 2018 deal for 200 737 MAX. The first 50 aircraft will be delivered to Thai VietJet, the Vietnamese budget carrier's affiliate in Thailand,

Azerbaijan Airlines (20 juillet)

Azerbaijan Airlines has signed a preliminary deal with Boeing to acquire a further four 787-8.

Porter Airlines (19 juillet)

Porter Airlines has ordered 20 Embraer E195-E2 (US\$1.56 billion). Porter has 50 firm commitments and 50 purchase rights with Embraer. Initial deliveries will be later this year.

BBAM (19 juillet)

Le loueur BBAM a commandé 9 Boeing 737-800 BCF (Boeing Converted Freighter) supplémentaires. BBAM a maintenant 40 Boeing 737-800 BCF en commande et sera le premier client à prendre livraison d'un Boeing 737-800 BCF en provenance du nouveau site de conversion de KF Aerospace qui va ouvrir l'année prochaine à Kelowna, CB.

Oriental Air Bridge (19 juillet)

Oriental Air Bridge has ordered 1 ATR 42-600

Abelo (19 juillet)

The newly formed leasing platform Abelo has ordered 10 ATR 72-600 and has reaffirmed a commitment for 10 (STOL) ATR 42-600S made by Elix Aviation.

Air Tahiti (19 juillet)

Air Tahiti has ordered 2 ATR 42-600S and will be the launch customer for this STOL version.

Alaska Air Group (19 juillet)

Alaska Air Group has ordered eight firm Embraer E175 with options for 13 more.

Delta Air Lines (19 juillet)

Delta Air Lines. has ordered 12 new A220-300.

777 Partners (19 juillet)

Private-equity firm 777 Partners has placed orders and commitments for as many as 60 737 MAX 8 and the higher-capacity 737 MAX 8-200 model.

Aviation Capital Group LLC (ACG) (19 juillet)

ACG has ordered 12 additional 737-8 MAX aircraft.

AerCap (19 juillet)

AerCap has ordered 5 additional Boeing 787-9. This transaction brings AerCap's orders for the 787 aircraft to 125.

Delta Air Lines / B737 Max 10 (18 juillet)

Boeing has received an order from Delta Air Lines (roughly \$13.5 billion) for 100 737 Max 10 aircraft plus 30 options. Deliveries of the firm orders will take place from 2025 to 2029.

All Nippon Airways (18 juillet)

Boeing has received an order from All Nippon Airways parent ANA Holdings for twenty 737 MAX 8, along with two 777-8F cargo variants.

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Feel Air (18 juillet)

Start-up Japanese company Feel Air has signed a tentative commitment for 36 ATR 72-600, ATR 42-600 and ATR 42-600S.

Aviation d'affaires

Dassault Aviation (20 juillet)

Dassault Falcon deliveries more than doubled to 14 aircraft in the first half of this year. Order intake increased by more than 50 percent to 41 (net of canceled aircraft from Russia). That was up from the six Falcon deliveries, and net orders for 25, in the first half of 2021.

CAE / Piper Aircraft (19 juillet)

CAE s'est associée à Piper Aircraft pour développer un certificat de type supplémentaire (STC) pour les avions Piper Archer® (PA-28-181) en service afin de mettre sur le marché une variante électrique de cet avion.

International Aircraft Dealers Association (IADA) (18 juillet)

Preowned business aircraft transactions increased 13 percent in the first half of this year, according to the IADA. Its second-quarter market report noted 598 sales transactions in the first half of the year compared with 529 in the same period last year.

Défense

Czech Republic F-35 (20 juillet)

The Czech Republic will buy 24 Lockheed Martin F-35s to replace its fleet of 14 leased JAS-39C/D Gripen aircraft.

CAE /Boeing (19 juillet)

Boeing and CAE have signed a MOU to expand their collaboration and explore further teaming opportunities in defence aerospace training to further enhance innovation and competition through potential joint-offerings. The MOU also aims to advance mission readiness for defense customers worldwide operating Boeing military aircraft.

Airbus Helicopters (18 juillet)

Airbus a reçu une commande des Forces Royales Air (FRA) marocaines pour l'acquisition d'une flotte hélicoptères H135 qui sera utilisé pour l'entraînement des pilotes.

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BAE Systems (18 juillet)

BAE Systems has unveiled a new set of Air Domain Uncrewed Aerial System (UAS) concepts, referred to as UAS Concept Designs 1 and 2. They have been designed to “augment or substitute existing forces” including F-35 and Typhoon and to provide potential customers a bridge to 6th generation capabilities.

GE Aviation (18 juillet)

Two new major military propulsion projects have begun at GE Aviation. The XA100 adaptive cycle engine is being developed for installation in the F-35A and F-35C as part of the U.S. Air Force’s Adaptive Engine Transition Program (AETP). The T901 turboshaft will re-engine the UH-60 and AH-64 helicopter fleets and will also power the U.S. Army’s Future Attack Reconnaissance Aircraft (FARA).

Boeing -Air Force One (18 juillet)

Boeing will deliver the first new Air Force One (VC-25B) by September 2026 at earliest, two years behind its originally scheduled date. The second and final aircraft could be delivered anywhere between February 2027 and February 2028. So far, Boeing has lost \$1.1 billion dollars on its original \$3.9 billion fixed-price development contract.

MRO**MHI RJ Aviation Group (MHIRJ) (21 juillet)**

MHIRJ has signed an agreement with Air Nostrum Engineering and Maintenance (ANEM), appointing them as a MHIRJ Authorized Service Facility (ASF) in Europe.

Embraer / Fokker Services (20 juillet)

Embraer and Fokker Services have signed a MOU to deepen their existing service and support collaboration. In the commercial aviation market, engineering, repair and logistics support will be key elements in addition to hydrogen powered aircraft development.

Delta TechOps (19 juillet)

Delta TechOps has signed a CFM branded service agreement (CBSA) under which it joins the engine-maker’s MRO network for Leap-1B engines. With the agreement, Delta TechOps will offer commercial and technical support for the Leap-1B.

Drones – Advanced Air Mobility**Safran/ VoltAero (20 juillet)**

Le prototype Cassio 330 de VoltAero volera avec le moteur électrique ENGINEUS 100 de Safran Electrical & Power, qui fournira une puissance maximale supérieure à 150 kW au décollage et sera intégré, avec un moteur thermique de 150 kW, dans la chaîne de propulsion hybride du Cassio 330.

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EVE (Embraer) /BAE Systems (19 juillet)

Eve Air Mobility (Embraer) has signed a LOI with BAE Systems for a potential order of up to 150 eVTOL with the aim of examining the aircraft's application for the defence and security market. BAE Systems and Embraer have signed a MoU for a joint venture to collaboratively develop an innovative defence eVTOL variant using Eve's platform.

UK Advanced Mobility Ecosystem Consortium (18 juillet)

The Advanced Mobility Ecosystem Consortium has received a £9.5 million (\$11.3 million) government grant to demonstrate the feasibility of advanced air mobility (AAM) and to develop key technologies and infrastructure. The consortium includes Vertical Aerospace, Virgin Atlantic Airways, Atkins, Skyports, and air traffic management group NATS, as well as London Heathrow, Bristol, and London City airports.

Vertical aerospace/ Babcock (18 juillet)

Vertical Aerospace has signed a new partnership with Babcock International to expand its VX4 eVTOL operational mission possibilities. Vertical and Babcock will explore variants for applications such as emergency medical services and cargo transportation and the two companies will jointly develop MRO capabilities.

Spatial

Thales Alenia Space /QinetiQ (19 juillet)

The European Space Agency has awarded Thales Alenia Space and QinetiQ a study contract for small multi-mission satellites to operate in Very Low-Earth Orbit (VLEO). In the first phase of the study, the companies will advance the design of the Skimsat, a VLEO multi-mission satellite designed to fly lower than 300 kilometers.

Innovation

Embraer /Collins Aerospace (20 juillet)

Embraer and Collins Aerospace are collaborating on the development and testing of an innovative carbon nanotube electro thermal heating technology (CNT) for ice protection systems. The project recently achieved a major milestone by initiating a flight test campaign at Embraer's Gavião Peixoto unit in Brazil.

Airbus/CFM International (19 juillet)

Airbus et CFM International collaborent pour tester en vol à bord d'un Airbus A380 l'architecture de moteur open fan de CFM et accélérer la maturité et le développement de technologies de propulsion avancées. Le tout dans le cadre du programme de démonstration RISE (Revolutionary Innovation for Sustainable Engine) de CFM.

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