

## ***Brèves de l'industrie aérospatiale – 20 juin 2022***

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### **Industrie Aérospatiale**

#### **Rolls - Royce (16 juin)**

Rolls-Royce plans to establish an industrial support facility at the Dassault final assembly line in Bordeaux, to prepare for the production of the future Rolls-Royce Pearl 10X engine.

#### **Israel Aerospace Industries (IAI) / Lockheed Martin (16 juin)**

IAI has delivered the first sets of Lockheed Martin F-16 aerostructures manufactured at its reopened assembly line, including conformal fuel tanks. IAI had delivered its 200th F-35 wing set to Lockheed Martin and is scheduled to produce a total of 811 pairs of F-35A wings.

#### **Airbus (15 juin)**

Airbus a lancé mercredi 15 juin le vol inaugural de l'A321XLR et la campagne d'essais va se poursuivre en vue d'une mise en service prévue en 2024. 450 exemplaires ont été commandés.

#### **Boeing (14 juin)**

Boeing delivered 35 aircraft in May and booked gross orders for 23 others, most of them wide bodies, including seven 787-9 Dreamliners for Lufthansa.

#### **Safran Electronics & Defense (14 juin)**

Safran Electronics & Defense a acquis la société norvégienne Sensoror (MEMS pour gyromètres), rebaptisée Safran Sensing Technologies Norway, et a acheté Orolia, spécialiste de la navigation. De plus Safran Electronics & Defense associé à MBDA ont racheté CILAS, spécialiste français des lasers pour la lutte antidrone.

#### **Airbus Helicopters / Safran Electronics & Defense (14 juin)**

Airbus Helicopters has selected Safran Electronics & Defense to supply SkyNaute navigation systems for future H160M helicopters, developed as part of the HIL joint light helicopter program.

#### **ITT /CRP (14 juin)**

ITT Inc. has invested in CRP Technology and CRP USA (collectively "CRP"). CRP is an industry leader in developing and manufacturing reinforced composite materials for 3D printing for the aerospace, defense, premium automotive, and motorsports industries.

#### **Research Dive –global aerospace avionics market (14 juin)**

According to Research Dive, the global aerospace avionics market is anticipated to generate revenues of \$110,605 million and increase at a CAGR of 4.6% from 2022 to 2030. The commercial aviation sub-segment is predicted to be the most profitable and is expected to generate revenues of \$60,068 million over the same timeframe.

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**Perryman (13 juin)**

Perryman's addition of a 4,500-ton open die forge press and finishing facility in California, PA. will expand the manufacturer's capabilities to serve aerospace, defence, medical and industrial customers. It will enable the production of all Perryman titanium products in-house.

**Aviation Commerciale**

**Air India/Airbus (15 juin)**

Air India is close to signing an agreement with Airbus for an order of up to 50 Airbus A350-900 aircraft. It is also in talks to order more than 100 A321neo.

**International Air Transport Association (IATA) (15 juin)**

Air travel continues to strengthen as international demand recovers from the impact of the pandemic. Despite the war in Ukraine and COVID-related travel restrictions, total demand for air travel in April, measured in revenue passenger kilometers (RPKs), was up 78.7 percent compared to April 2021 and slightly ahead of March's 76 percent year-over-year increase.

**Air Nostrum Líneas Aereas / Hybrid Air Vehicles (15 juin)**

Hybrid Air Vehicles has received an order for the first ten Airlander 10 airships from Spanish regional airline Air Nostrum. The order could see the airships operating on regional routes in Spain as soon as 2026. HAV plans to start producing Air Nostrum's fleet in South Yorkshire, UK, this year.

**Spirit Airlines / JetBlue Airways (14 juin)**

Spirit Airlines is in talks with JetBlue Airways over a \$3.4 billion sweetened offer and expects to decide on the proposal by the end of this month. Spirit Airlines has granted JetBlue access to the due diligence information being shared with Frontier Group Holdings. Either of the deals would create the fifth-largest U.S. airline.

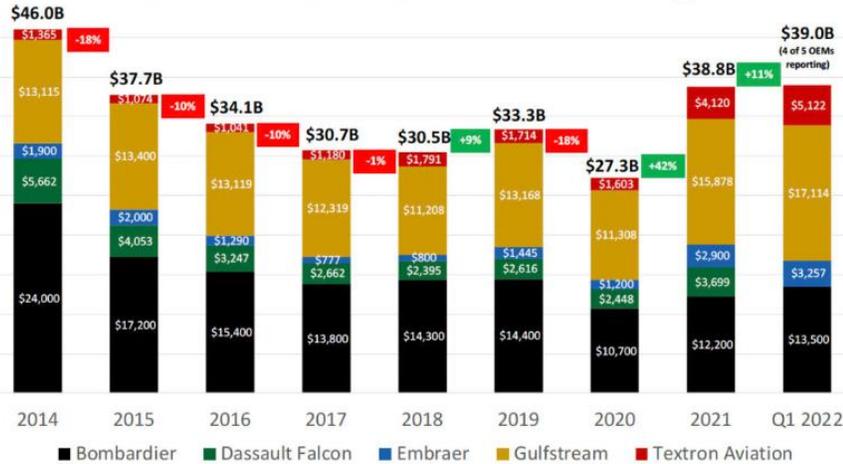
**Turkish Airlines (14 juin)**

The Turkish national carrier will rebrand as "Türkiye Hava Yolları" instead of "Turkish Airlines" as part of a push for the country to be known internationally as "Türkiye" instead of "Turkey."

**Aviation d'affaires**

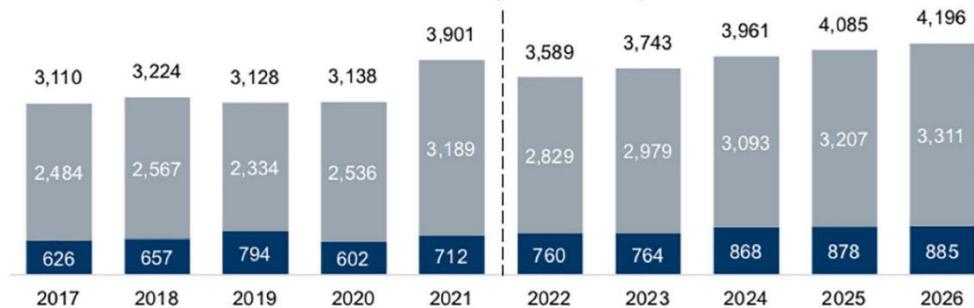


**Business Aircraft OEM Backlogs**



Sources: Regulatory filings, company reports, JETNET IQ analysis; measured in US \$ millions except for period totals

**Total Market (Unit Volume)**



**Global Jet Capital 2022 – 2026 Forecast -June 2022**

**Global Jet Capital /Q1 2022 HIGHLIGHTS**

Driven by entry of new customers into the market as well as a return by established users, business jet flight operations increased 35.8 percent compared to Q1 2021. Strong orders drove OEM book-to-bill ratios to 1.9-to-1 in Q1 2022, with backlogs reaching \$38.8 billion. Pre-owned transactions were up 36 percent in Q1 2022 compared to a year ago, driving the overall market up 6.8 percent. Inventory levels continued to decline and remained at historic lows.

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### **Vista Global Holding (16 juin)**

Vista Global Holding has completed its acquisition of Jet Edge, expanding the company's VistaJet and XO branded fleets by 100 aircraft. The Vista fleet now totals more than 350 aircraft.

### **Irish Business and General Aviation Association (IBGAA) (14 juin)**

The IBGAA is crafting a "roadmap for the industry's development" to be presented to Irish government officials later this year. IBGAA priorities include attracting international companies to Ireland for entry to the European market and, highlighting the advantages of the country's aircraft leasing market and Irish Aviation Authority aircraft registry.

### **Jefferies-Flexjet / backlog and price (13 juin)**

According to Jefferies, business aviation OEM backlogs are now extending at least through 2023 and in most cases into 2024 and 2025. Flexjet has seen purchase prices increase by as much as 30 percent to 40 percent over the last 24 to 30 months for certain models.

## **Défense**

### **Argentina-CH-47 Chinook (17 juin)**

Argentina has confirmed plans to acquire four Boeing CH-47 Chinook helicopters through the Pentagon's Foreign Military Sales program.

### **Netherlands-Embraer (17 juin)**

The Dutch Ministry of Defense has selected the Embraer C-390 Millennium to replace the four C-130H Hercules aircraft operated by the Royal Netherlands Air Force (RNLAf). The fleet will be increased by one aircraft to five C-390s.

### **NATO's Next Generation RotorCraft Capability (NGRC) project (16 juin)**

The NATO ministers of defence for France, Germany, Greece, Italy, the Netherlands and the United Kingdom have provisioned 26.7 million euros (US\$28 million) to develop and define the future of their helicopter fleets under a program designated NATO's Next Generation RotorCraft Capability (NGRC) project. Canada is expected to be an observer nation within the project.

### **Roumanie / F16 (16 juin)**

Romania will purchase 32 F16s from the Norwegian Government to continue strengthening the army's defence and response capacity.

### **Poland / Leonardo (15 juin)**

Poland plans to acquire 32 Leonardo AW149 helicopters valued at \$1.15 billion, with assembly Poland by PZL-Świdnik (Leonardo).

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### **Pratt & Whitney (14 juin)**

The US Naval Air Systems Command has awarded Pratt & Whitney a \$4.38 billion contract for 178 F135 engines. The contract runs through September 2024 and the work will be performed in Pratt & Whitney's Connecticut facilities and in various locations around the U.S.

### **India / Boeing (14 juin)**

India is negotiating the purchase of additional CH-47F(I) Chinook heavy-lift and AH-64E(I) Apache attack helicopters. The Indian Air Force currently operates 22 Apaches and 15 Chinooks.

### **Korea Aerospace Industries (KAI) /Lockheed Martin (13 juin)**

KAI and Lockheed Martin are expected to offer the T-50 for several training aircraft programmes worldwide including the Canada Future Fighter Lead-In Training (FFLIT) programme and the US Air Force and US Navy tactical trainer programmes.

### **Indian Air Force (IAF) (13 juin)**

The IAF plans to acquire 114 fighter jets, of which 96 would be built in India. Under the 'Buy India and Make in India' scheme, Indian companies will partner with the selected manufacturer. Boeing, Lockheed Martin, Saab, MIG, Irkut Corporation and Dassault Aviation are expected submit bids.

### **NH90 France (13 juin)**

The French armed forces ministry announced a new contract to improve the performance of the NH90 military helicopter and to address a shortage of spare parts. The NH90 is the responsibility of a consortium between Airbus, Leonardo and Fokker named NH Industries.

### **Netherlands MoD (10 juin)**

The Netherlands MoD will purchase six additional Lockheed Martin F-35As and four more General Atomics MQ-9 Reaper MALE UAVs. The plan means a total of 52 F-35s are to be acquired, while the MQ-9 fleet will double in size to eight aircraft.

## **MRO**

### **C&L/Honeywell Aerospace (16 juin)**

C&L Aviation Group has been approved as a Honeywell Aerospace channel partner for the full line of Honeywell's avionics products. C&L already performs Honeywell avionics installations, upgrades, and engineering solutions at its Part 145 repair station located in Bangor, Maine.

### **Rolls-Royce (15 juin)**

Rolls-Royce has signed the 1,000th CorporateCare Enhanced engine maintenance program contract since its initiation in 2019. It includes a wide range of additional services for the AE3007 and Tay engines such as troubleshooting and mobile repair team travel costs. It also covers complete powerplant maintenance for the Pearl 15, Pearl 700, BR710, and BR725 engines.

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### **MRO Insider / Aviation Heaven (14 juin)**

Business aircraft services platform MRO Insider has merged with its European counterpart, Aviation Heaven, allowing customers access to more FAA-authorized maintenance providers. MRO Insider customers now have access to 400 service providers, including 63 outside the U.S.

## **Drones – Advanced Air Mobility**

### **Otto Aviation (15 juin)**

Otto Aviation plans to develop a 19-seat, hydrogen-powered version of its Celera aircraft. The Celera 750L is a stretched version of the in-development 500L. ZeroAvia will integrate its ZA600 hydrogen-electric powertrain as an alternative propulsion system to the Red A03 diesel engine that powers the 500L.

### **Overair (14 juin)**

Overair announced its most recent funding of \$145 million from Hanwha Systems and Hanwha Aerospace. With this new investment, Overair remains on track to fly its all-electric experimental prototype Butterfly in the second half of 2023.

### **Amazon (13 juin)**

Amazon will use drones to deliver parcels beginning in Lockeford, Calif. later this year. It plans to deliver packages weighing less than five pounds within an hour from a facility 15 miles away.

## **Spatial**

### **ESA (13 juin)**

The ESA will launch the European Centre for Space Economy and Commerce to promote the development of the space economy and boost the commercialisation of space in Europe. It will be based at the European Space Policy Institute in Vienna, Austria.

### **Mitsubishi Electric (MERL) (13 juin)**

Des chercheurs de MERL (USA) ont développé un système capable d'imprimer une antenne de satellite en orbite. Leur solution testée sur Terre solidifie une résine photosensible à l'aide de rayons ultraviolets. Elle permettra d'éviter l'envoi de grandes antennes, les fabriquant en orbite.

### **Okapi (13 juin)**

German startup Okapi raised 5.5 million euros (\$5.7 million) to expand the user base for its space traffic management software, enhance its product portfolio and grow its international business.

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## Innovation

### **Magdrive (15 juin)**

UK startup Magdrive is building a 1kg spacecraft propulsion system that uses plasma to create high thrust and which can efficiently supplement electric thrusters, reaching similar speeds to those achieved by traditional chemical thrusters for short periods.

### **Manufacturing Technology Centre (MTC) (13 juin)**

The Future Electric Motor Systems aerospace motor project by MTC (Coventry, UK) has won the 2022 3D Pioneers Challenge award, an international design competition for advanced manufacturing technologies. The team re-designed an MTC-designed motor casing for a lightweight aerospace application using additive manufacturing technology.

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