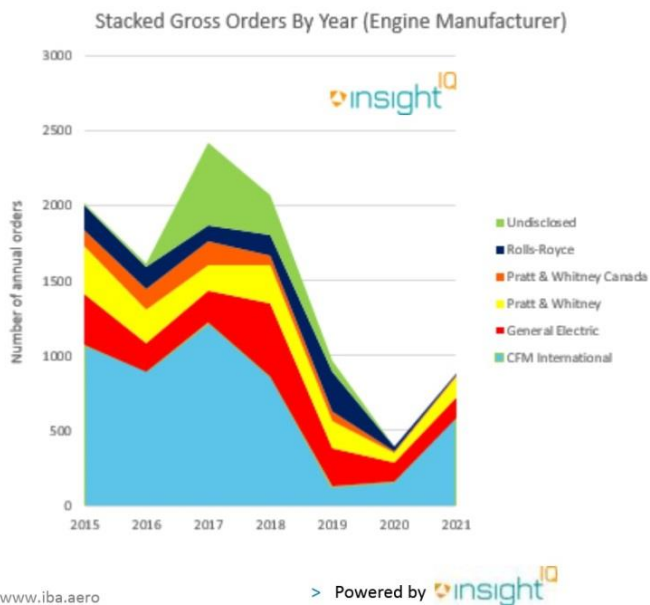


Brèves de l'industrie aérospatiale – 4 octobre 2021

Industrie Aérospatiale

Engine orders (Airliners)



Thales /Flying Wales (30 septembre)

Flying Whales a sélectionné les solutions avioniques certifiables de Thales pour équiper son premier dirigeable, le LCA60T. Le groupe fournira donc la suite avionique FlytX dans sa version à deux écrans, et son calculateur critique de commandes de vol de dernière génération, avec l'objectif de renforcer la sécurité et la performance du futur dirigeable.

Airbus (29 septembre)

Airbus a publié ses résultats pour le premier semestre, avec un bénéfice opérationnel atteignant 2,7 Md€. Ses prévisions de livraisons 2021 sont à 600 avions commerciaux, et Airbus confirme le lancement d'une version cargo de l'A350. Le chiffre d'affaires consolidé a augmenté au premier semestre de 30% pour atteindre 24,6 Md€.

Figeac Aero/ Fonds ACE Capital Partners (29 septembre)

Le fonds ACE Capital Partners de Tikehau Capital va entrer au capital de Figeac Aéro avec un investissement de 35 M€. Cette opération pourrait être suivie de rapprochements avec d'autres acteurs des pièces mécaniques tels que Mecachrome, WeAre Group et Nexteam, qui ont tous pour actionnaires ACE et Lauak.

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Safran/ Piaggio Aerospace (28 septembre)

Piaggio Aerospace and Safran Helicopter Engines have signed a letter of intent to cooperate on the Ardiden 3 engine family. Piaggio will manufacture “critical parts” for turboprop and turboshaft variants of the 1,700- to 2,000-shp Ardiden 3. The companies already collaborate on the production of hot section parts for the RTM322 and Aneto engines.

AirShow China (28 septembre)

The 13th China International Aviation and Aerospace Exhibition or AirShow China saw 700 companies from nearly 40 countries and regions participate. Several new products and technologies were exhibited for the first time.

Rolls-Royce sale of ITP (27 septembre)

Rolls-Royce has signed a definitive agreement to sell 100% of ITP Aero to Bain Capital Private Equity, which is leading a consortium of investors, for approximately €1.7 billion. The consortium includes interests to be held by Spanish co-investors SAPA and JB Capital.

Embraer new turboprop concept (27 septembre)

Embraer presented its latest concept for a new turboprop regional aircraft at the annual meeting of the Regional Airline Association (RAA). It is a 70-90 seat aircraft family with rear-mounted engines and a fuselage similar to the E-Jets. Embraer also raised the possibility of a 50-seat version to replace CRJ200s and ERJ 145s. Embraer has previously said that it could launch this programme in 2022, with service entry in 2027 or 2028.

Aviation Commerciale

ITA /Airbus (30 septembre)

La compagnie nationale italienne Italia Trasporto Aereo (ITA) achètera 10 Airbus A330neo, sept Airbus A220 et 11 Airbus A320neo. ITA a également signé un accord avec Air Lease pour louer 31 avions Airbus de différents modèles; ITA prévoit de louer au total 56 Airbus. Les livraisons commenceront au premier trimestre 2022.

JetBlue (30 septembre)

JetBlue has reached a ten-year agreement with SG Preston for supply of Sustainable Aviation Fuel (SAF). Starting in 2023, SG Preston will deliver at least 670 million gallons of blended SAF to JetBlue for operations out of New York-area airports.

Qatar Airways (29 septembre)

Qatar Airways a annoncé une perte nette annuelle de près de 3,5 Md€ au 31 mars, à la fin de son année fiscale 2020/2021, soit le double de la perte subie lors de l'exercice précédent. Sur cette perte annuelle, 2 Md€ sont dus à la mise au sol de sa flotte d'Airbus A380 et A330.

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Korean Air (29 septembre)

Korean Air va reprendre Asiana Airlines ainsi que trois compagnies low-cost (Jin Air, Air Busan et Air Seoul). La flotte de Korean Air devrait à terme rassembler 248 appareils (165 de Korean Air et 83 d'Asiana Airlines).

Air Asia X (27 septembre)

Malaysia-based low cost long haul airline Air Asia X Group has declared an operating loss of the equivalent of \$5.85 billion for the quarter ended 30 June 2021. It intends to apply for a government guaranteed loan. It plans to return aircraft to lessors and negotiate with lessors and maintenance providers to reduce costs. It operates A330 aircraft. The Airbus order backlog includes 78 A330neo and 30 A321neo orders from AirAsia X.

Aviation d'affaires**GE Aviation Catalyst engine (30 septembre)**

GE Aviation's Catalyst turboprop engine has made its first flight in a Beech King Air testbed. Announced customers for the 1,300-shp-class engine include Textron Aviation, for the Beechcraft Denali turboprop single, and XTI, which plans to use it as part of its hybrid powerplant for the TriFan 600 VTOL.

Bombardier (30 septembre)

Bombardier annonce une commande de 20 Challenger 3500, nouvelle version du Challenger 350 récemment annoncée, estimée à 534 millions \$US. Les premières livraisons sont prévues dans la deuxième moitié de 2022.

Bombardier (28 septembre)

Bombardier has launched a European tour of its Global 7500 and Challenger 350 business jets using Neste sustainable aviation fuel.

Gulfstream Aerospace (28 septembre)

Gulfstream Aerospace has delivered the 50th G600 to a North American customer. The large-cabin twinjet, which is a longer-range sibling of the G500, entered service in August 2019. It is powered by Pratt & Whitney PW816GA engines.

Défense**Boeing P-8A for Germany (28 septembre)**

Germany has finalised a €1.1 billion (\$1.3 billion) contract to acquire five Boeing P-8A Poseidon maritime patrol aircraft, with deliveries to commence in 2024 under a Foreign Military Sales (FMS) programme. The aircraft will replace its current fleet of Lockheed P-3C Orions.

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Boeing (27 septembre)

Boeing has delivered the first two operational F/A-18 Super Hornet Block IIIs to the US Navy, the first of 78 contracted Block III aircraft. They have a new processor, large touchscreen, open mission systems, a reduced radar cross section, and 10,000h airframe life. Boeing will deliver Block III aircraft through the mid-2030s, comprising both new and upgraded Block II aircraft.

Raytheon Technologies /Northrop Grumman (27 septembre)

The Defense Advanced Research Projects Agency (DARPA) has confirmed a flight of the Hypersonic Air-breathing Weapon Concept under joint development with the USAF. The vehicle was built by Raytheon Technologies and has a Northrop Grumman hypersonic engine.

Lockheed Martin F-35 production rates (27 septembre)

As part of its F-35 production “re-baseline” plan, Lockheed Martin has agreed to deliver 133-139 aircraft in 2021 and aims to produce 151-153 in 2022 and 156 annually in 2023 and beyond. It delivered 120 F-35s in 2020. Lockheed has developed a “production smoothing” plan to increase output and spread the backlog of 80 aircraft over several years.

Boeing B-52H re-engining (24 septembre)

The US Air Force (USAF) has awarded Rolls-Royce a \$2.6 billion contract for 650 F130 engines, support equipment, engineering data and sustainment services. They will replace P&W TF33 engines on the Boeing B-52H Stratofortress fleet. The F130 is a military derivative of the BR725 that powers the Gulfstream G650 business jet. Rolls-Royce was competing against GE Aviation (CF-34 and Passport) and Pratt & Whitney (PW800).

CF-18 radar upgrade (24 septembre)

The US Department of Defense has granted Raytheon a \$140 million Foreign Military Sales contract to supply 36 APG-79(V)4 active electronically scanned array (AESA) radars to Canada. The RCAF plans to upgrade some of its Boeing CF-18A Hornets with this radar.

MRO**Collins Aerospace (30 septembre)**

Collins Aerospace announced an expansion of its 10-year On-Site Support agreement with Chinese MRO Ameco for Air China’s fleet. Support will be added for various generators installed on B787, A320neo, A350 and ARJ21 aircraft.

China MRO market

Oliver Wyman forecasts that China's MRO market in 2021 will be 8% larger than in 2019, and one of two regions, with Eastern Europe, to surpass pre-pandemic levels. It forecasts that by 2031 the Chinese market will more than double its pre-COVID size to nearly \$20 billion annually.

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JetSupport (29 septembre)

JetSupport Amsterdam has added the Bombardier Challenger 300 and 350 twinjets to its Part 145 maintenance organization approvals. It will provide line and base maintenance at Schiphol airport, and at Oberpfaffenhofen airport, where it opened a 2,250-sq-m facility in January.

C&L Aviation Group (29 septembre)

MRO C&L Aviation Group has completed construction of a 27,000-sq-ft parts warehouse adjacent to its component shop at its Bangor, Maine headquarters. It will house parts from teardown of Bombardier Challenger 604 and ERJ-145 regional jets, as well as from a multimillion-dollar purchase of ATR spare parts.

Mammoth Freighters (27 septembre)

Mammoth Freighters has made a strategic investment in GDC Technics (Fort Worth, Texas) to support its 777-200LR and 777-300ER passenger-to-freighter conversion programmes. GDC Technics is a maintenance and modification company with six widebody hangar bays. Mammoth Freighters is backed by funds managed by Fortress Investment Group.

Business aircraft upgrades (27 septembre)

MROs are reporting heavy bookings and work orders for business aircraft upgrades, including from first time buyers. Requirements include customised cabins for small and mid-sized aircraft, a new phenomenon, as well as avionics and IFEC upgrades and painting.

Drones- Advanced Air Mobility

Donecle (28 septembre)

La société Donecle, dont Delta Drone détient 24,83% aux côtés des dirigeants, a déclaré que son système de drone rejoignait le Manuel de maintenance des avions Airbus (AMM), avec une tâche spécifique aux inspections consécutives aux coups de foudre. Cette nouvelle tâche est applicable sur la famille A320. Ce succès intervient à l'issue d'un programme de qualification de 3 ans et un programme d'échantillonnage avec 5 compagnies aériennes partenaires.

Spatial

MDA next generation earth observation (29 septembre)

MDA has released new details about its next Earth Observation (EO) mission. Based on a RADARSAT heritage, it will include a C-band Synthetic Aperture Radar (SAR) satellite operating in a mid-inclination orbit. Capable of covering a 700 km swath in a single pass, it will maintain primary imaging modes from RADARSAT-2 but with a 40% larger swath width, and will deliver data and image continuity with faster and new imaging capabilities.

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Stratolaunch Talon-A (29 septembre)

Stratolaunch has completed the critical design review for its Talon-A hypersonic test vehicles. The company plans to begin hypersonic flight testing in 2022 and deliver services to customers by 2023. Launched from Stratolaunch's Roc carrier aircraft, the Talon-A is a rocket-propelled, autonomous, reusable testbed carrying customisable payloads at speeds over Mach 5.

Space Force (28 septembre)

The US Space Force issued four awards worth a combined \$88 million under the National Security Space Launch program for heavy launches for defense and intelligence payloads. Only SpaceX and United Launch Alliance were awarded contracts as part of Phase 2, which covers an expected 34 launches over a five-year period from 2022 to 2027.

Thales Alenia Space (27 septembre)

Thales Alenia Space a été sélectionné par l'Agence spatiale européenne (ESA) pour la conception et le développement d'un prototype de station sol de nouvelle génération appelée NLES-Next (Navigation Land Earth Station), pour le système de navigation par satellite EGNOS.

Space Forge (27 septembre)

Space Forge (Cardiff, UK) has been awarded £1.71 in funding from the European Space Agency's (ESA) Boost! programme to support the development and launch of a satellite named ForgeStar Orbital Vehicle (FSOV-1). It is scheduled for launch in 2022 and will test various manufacturing processes in the space environment.

Innovation

Flyzero (30 septembre)

The UK government-backed initiative FlyZero intends to reveal three concept aircraft that will address the challenges of zero-emission aviation. They will be developed from 27 "scout" aircraft, which are initial studies that examined the potential of various concepts against performance, economics and emissions criteria. The "scouts" will feed key technologies into concept aircraft designs covering the regional, single-aisle and mid-market segments.

Aeroflot /Gazprom Neft (26 septembre)

Les deux groupes russes ont signé un accord visant à développer la production et l'utilisation de carburant SAF. L'accord est le premier du genre en Russie entre une compagnie aérienne et un producteur de carburant d'aviation, et vise à réduire l'empreinte carbone.

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