
Brèves de l'industrie aérospatiale – 06 décembre 2021

Industrie Aérospatiale

Airbus Helicopters (3 décembre)

Airbus Helicopters fournira douze H225M (Caracal) aux Émirats Arabes Unis (EAU). Airbus Helicopters pourrait également avoir la confirmation en Arabie Saoudite d'une commande d'hélicoptères légers (entre 30 et 50 appareils). Airbus Helicopters fera face à une charge industrielle importante à partir de 2022 et jusqu'en 2024.

United Aircraft Corporation (UAC) (3 décembre)

United Aircraft Corporation (UAC) a annoncé sa fusion avec les avionneurs Sukhoi et MiG, afin de créer une unique entité en charge de l'ensemble des programmes civils russes. L'objectif affiché par les autorités russes est de constituer un ensemble industriel capable de rivaliser sur le marché civil mondial avec Boeing et Airbus.

B737 MAX Chinese approval (2 décembre)

The Civil Aviation Administration of China (CAAC) has approved the Boeing 737 MAX family for return to service in the country. However, it has not specified a return-to-service date.

CFM LEAP production rates (2 décembre)

CFM International expects to be producing 2,000 LEAP-engines per year by 2023. It produced 1,700 in 2019, 815 in 2020 and estimates 900 this year. Safran forecasts break-even on the program in 2025. It also anticipates spare parts demand for CFM56 engines returning to 2019 levels by 2024 then remaining steady in the 2025-2028 period.

Safran portfolio review (2 décembre)

Safran is assessing options for almost one-third of the businesses it acquired through its 2018 purchase of Zodiac Aerospace. It is evaluating 30% of them that it considers to be non-core.

CAE image generator (2 décembre)

CAE has launched its Prodigy image generator (IG). It leverages Epic Games' Unreal Engine that delivers high-fidelity graphics, physics-based simulation, and a thousand-fold increase in the number of entities in a virtual environment. Prodigy is a component of CAE's e-Series MR Prodigy Visual System, an integrated training system for fighter and fast-jet training applications.

Pratt & Whitney PW1100G (1 décembre)

Pratt & Whitney has announced a performance improvement package for the PW1100G that powers the Airbus A320neo aircraft family. Named the GTF Advantage it will incorporate material and design upgrades in its core and be compatible with 100% sustainable aviation fuel (SAF). It will be interchangeable with the current production version of the engine which it will supersede in 2023.

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Safran Aircraft Engines /Albany International Corp (30 novembre)

Safran Aircraft Engines et Albany International Corp, ont annoncé un accord prolongeant leur partenariat jusqu'en 2046 pour travailler sur la prochaine génération de moteurs. Les deux entreprises ont créé en 2006 une coentreprise pour le développement de pièces composites de haute technologie destinées aux moteurs, trains d'atterrissage et nacelles d'avions.

Certificated mechanics in the United States (29 novembre)

An Aviation Technical Education Council (ATEC) report suggests that a short-term decline in newly certificated U.S. mechanics could slow the aviation maintenance industry's growth. It concludes that the U.S. mechanic population is expected to increase 13% by 2041, but still leave industry about 12,000 people short of the projected total demand of 225,000 new mechanics.

Aviation Commerciale

United Airlines (1 décembre)

United Airlines a opéré le premier vol passager au monde alimenté à 100% par du biocarburant d'aviation durable (SAF) dans un de ses deux moteurs, à bord d'un Boeing 737 MAX. Ce vol a été effectué en partenariat avec Boeing, CFM International, Virent et World Energy.

ITA Airways Airbus orders (1 décembre)

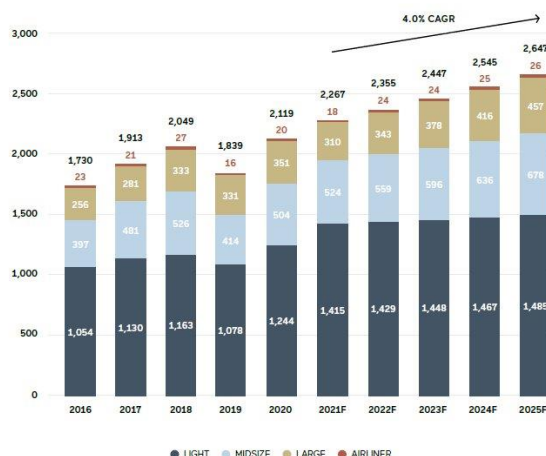
New Italian national carrier ITA Airways, the successor to Alitalia, has firmed the preliminary commitment it made in September for 10 Airbus A330neos, 11 A320neos and seven A220s.

British Airways (30 novembre)

British Airways devrait officialiser le lancement d'une nouvelle filiale, « BA Euroflyer », une compagnie court et moyen-courrier à coûts réduits, basée à Londres-Gatwick.

Aviation d'affaires

Jetcraft forecast of pre-owned business jet transactions



Number of aircraft by category – 2016 - 2025

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P&WC PW812D (2 décembre)

Transport Canada has issued a type certificate for Pratt & Whitney Canada's PW812D engine that powers Dassault Aviation's in-development large-cabin Falcon 6X business jet.

Bombardier (1 décembre)

Bombardier is now offering installation of Collins Aerospace's Pro Line Fusion avionics upgrade package in the Challenger 604 at its Dallas and Hartford service centers. Collins, Bombardier, and Nextant Aerospace partnered on the STC over a two-year period.

European Business Aviation Association (1 décembre)

Citing the rise in Covid-19 cases in Europe, the European Business Aviation Association (EBAA) is changing its annual Safety Summit in December from an in-person event to a virtual forum.

WingX (30 novembre)

WingX has reported that in the first three weeks of November business jet demand was up 19 percent globally, 17 percent in North America and 20 percent in the US versus the same period in November 2019. in Europe demand "is set to outstrip any previous November."

Défense

Dassault (3 décembre)

Les Émirats arabes unis (EAU) signent un contrat de 14Md€ pour 80 Rafale F4.1 et 2 Md€ pour les armements (MBDA). Les livraisons débiteront à partir de 2026 pour se terminer fin 2030.

Sikorsky CH-53K (2 décembre)

The Israeli government has approved the procurement of twelve CH-53K helicopters for \$2.4 billion with the potential for acquisition of six more at a later date.

Lockheed Martin (1 décembre)

Lockheed Martin has developed a new lower cost F-35 simulator named MRT-LITE that uses the same software as the Full Mission version but with a 90% reduction in hardware.

Pratt & Whitney (1 décembre)

Pratt & Whitney has received a \$447.6 million contract modification from US Naval Air Systems Command to continue maintenance work on F-135 engines for US and foreign customers.

Boeing/ MH47G helicopters (30 novembre)

Boeing Defense, Space & Security has received a \$212.6 million order for six MH-47G helicopters that will be operated by US Special Operations Forces.

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Veraxx Engineering Corporation (30 novembre)

Veraxx Engineering Corporation (Orlando, FL) has won a \$46M contract to provide upgrades and enhancements for the US Marine Corps' Aviation Distributed Virtual Training Environment (ADVTE). ADVTE enables dispersed training systems to perform integrated virtual training.

Kratos (30 novembre)

Kratos Defense & Security Solutions has received an initial order for a new, affordable, jet engine for an aerial vehicle application from a "national security related customer".

Boeing/ F16 (29 novembre)

Boeing will convert fifteen retired USAF Lockheed Martin F-16s into manned and unmanned full scale aerial target (FSAT) target aircraft for the Air Force Life Cycle Management Center.

CAE (29 novembre)

CAE has delivered the first two CAE Medallion MR e-Series visual display systems to BAE Systems for installation in the Royal Air Force (RAF) Typhoon Future Synthetic Training (TFST) program.

Boeing (29 novembre)

Naval Air Systems Command announced its intention to award a sole-source contract to Boeing Defense, Space & Security to provide hardware and software for the Lockheed Martin Long Range Anti-Ship Missile (LRASM) mission planning system. This system supports the Boeing P-8A Poseiden aircraft, a militarized version of the Boeing 737-800ERX single-aisle passenger jet.

Dassault Rafale (26 novembre)

The Croatian government has approved the purchase of 12 used Rafale aircraft from France. The contract value is approximately 1 billion euros (US\$1.2 billion).

US Air Force (24 novembre)

The current USAF aircraft fleet has reduced by 120 since 2020, although fighters and bombers remain about the same. The type with the largest increase is the F-35 and the USAF is retiring most of its B-1 bomber fleet. Excluding special operations aircraft, the fleet remained almost the same size, at 2,301 aircraft.

MRO

ST Engineering (2 décembre)

ST Engineering has included its Component Health Management predictive maintenance service in a five-year maintenance-by-the-hour (MBH) contract with Japan Airlines (JAL) for its B787 fleet. Components selected include generators, air valves, air turbine starters and pumps.

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Iacobucci /SIA Engineering (2 décembre)

SIA Engineering has signed a long-term distribution agreement with Iacobucci (Ferentino, Italy) a manufacturer of cabin interiors for airliners.

Airshare (1 décembre)

Airshare (Kansas) a fractional and managed aircraft company, is expanding its heavy maintenance facility in Wichita to perform work on business aircraft other than its own fleet.

Drones - Advanced Air Mobility**Archer Aviation (2 décembre)**

The FAA has issued a special airworthiness certificate to Archer Aviation for its “Maker” two-seat demonstrator eVTOL aircraft, allowing it to perform test flying in hover.

Thales TopSky (2 décembre)

Two French airports have adopted Thales's TopSky cloud-based solution for UAS traffic management (UTM). This supports France's air navigation service provider, DSNA, in its implementation of European U-Space UTM initiatives. The system simplifies the flight request process and speeds up access to specific airspace for UAVs.

Ascendance (1 décembre)

Toulouse-based Ascendance Flight Technologies has unveiled a proposed five seat hybrid-electric fan-in-wing aircraft design named ATEA with a range goal of over 400km.

SNC-Lavalin (1 décembre)

Atkins, a British-based member of the SNC-Lavalin Group, has entered into a strategic consulting agreement with the UK's Electric Aviation Group (EAG). EAG is developing H2ERA, a 90-seat regional aircraft powered by hybrid hydrogen-electric technology.

Textron - Bell (26 novembre)

Textron has confirmed that its Bell business's Nexus eVTOL aircraft is not an active program “in its current iteration”. Bell will not confirm plans to bring a passenger-carrying eVTOL model to market until it is confident in the business case for doing so.

Spatial**Space debris (3 décembre)**

The International Space Station (ISS) had to manoeuvre away from a fragment of a U.S. launch vehicle, the latest in a series of incidents in which space debris has forced astronauts to respond.

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Rocket Lab (2 décembre)

Rocket Lab has disclosed details of its 8,000 Kg payload Neutron launch vehicle, which has a recoverable first stage. It is intended to enable frequent and low-cost reuse.

MDA (26 novembre)

MDA has received a \$2 million award from the Canadian Space Agency under the Space Technology Development Program (STDP) to develop its eighth generation on-board computer.

Innovation

Europe Clean Aviation (2 décembre)

The Europe Commission (EC) has launched the Clean Aviation initiative, which is a follow-on to previous Clean Sky programs. It aims to fly demonstrator aircraft later this decade. The EC will contribute €1.7 billion and participating companies €2.4 billion. Research efforts will be focussed around three key “thrusters”; hybrid-electric regional aircraft; ultra-efficient short- and medium-range aircraft and disruptive technologies to enable hydrogen-powered aircraft.

Pratt & Whitney and Embraer (30 novembre)

Pratt & Whitney and Embraer have signed an MOU to conduct studies on aircraft burning 100 percent sustainable aviation fuel (SAF). The demonstration program will use an Embraer E195-E2 aircraft powered by Pratt & Whitney GTF engines.

SOFIAC et ADM (29 novembre)

La SOFIAC a annoncé un partenariat avec Aéroports de Montréal dans le développement d'un projet d'envergure d'efficacité énergétique et de réduction des émissions de GES. Les objectifs seront la décarbonation, l'implantation de solutions énergétiques innovantes, et une réduction importante de la consommation et des coûts d'énergie.

ECLIF3- Airbus /RR/National Research Council of Canada (29 novembre)

Initial findings from a study of the impact of 100% sustainable aviation fuel (SAF) on both Trent XWB engines of an A350 have provided promising early results. The study, named ECLIF3, involved Airbus, Rolls-Royce, DLR, Neste, the National Research Council of Canada and the University of Manchester.

Chelton (29 novembre)

Chelton has opened a new facility near London, England, to support research and development in life-saving capabilities including IED detection and radio for public safety applications. It will also focus on the development of advanced defence electronic systems.

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