

Brèves de l'industrie aérospatiale – 28 mars 2022

Industrie Aérospatiale

Airbus Helicopters (25 mars)

The Swiss air-rescue service Rega has ordered nine five-bladed Airbus H145s to replace its current four-bladed fleet. Rega's new H145s will be equipped with a 'state of the art' navigation system that will enhance mission capabilities and safety of operations.

Boeing/ FAA (25 mars)

The FAA's local oversight office has told Boeing that it will be difficult to finalize certification of the 737 MAX 10 by year-end. In this event, the MAX 10 cannot be certified unless Congress extends a special exemption. The FAA letter casts doubt on Boeing's publicly stated timelines for certifying both the MAX 10 and the 777-9X and requests updated schedules.

GE (25 mars)

The GE Aviation T901 engine has successfully completed its first test run. GE is developing the T901 under a \$517 million contract awarded in 2019. It will replace the T700 engines in the Army's UH-60 Black Hawk utility and AH-64 Apache attack helicopters and is the engine selected to power the Army's Future Attack Reconnaissance Aircraft (FARA).

Airbus / Avio Aero (GE) (25 mars)

Airbus has selected GE Aviation subsidiary Avio Aero to power the Eurodrone medium-altitude long-endurance (MALE) unmanned aerial vehicle (UAV). The German lead for the project has said that the engine will be the GE Catalyst, which is ITAR-free, as will be the propeller.

P&W (24 mars)

Pratt & Whitney will soon open its global supply chain support center in Bengaluru, India and is hiring 160 staff. The India Capability Center (ICC) will employ hundreds of analysts and data scientists to augment Pratt & Whitney's global supply chain, focussing on digital capabilities.

FACC (24 mars)

FACC has begun production at a US\$14 million plant in Jakovlje, Croatia, which currently employs 150 people but expects to triple its staff. FACC Solutions Croatia manufactures lightweight components for the cabin interiors of commercial aircraft and business jets.

Latécoère (22 mars)

En 2021, Latécoère a réalisé un chiffre d'affaires de 379,8 M€ (-8% par rapport à 2020). L'excédent brut d'exploitation (Ebitda) est à 31,2 M€, en nette amélioration par rapport à 2020 (+13%). Latécoère a réalisé une augmentation de capital de 222,4 M€, et obtenu un prêt garanti par l'État français (PGE) de 130 M€.

N.B : La langue utilisée reflète le contenu original de la source citée et n'a pas été traduite afin de ne pas altérer le sens du contenu partagé.

Rolls-Royce (22 mars)/

Rolls-Royce North America will invest \$400 million in a major modernisation of its engine test facilities in Indianapolis, IN. This upgraded complete engine test facility will test engines for a variety of products, including the F-130 for the re-engined USAF B-52 strategic bomber fleet.

Sogecclair (22 mars)

Sogecclair a réalisé un bénéfice net de 2,6 M€ pour l'exercice 2021 (contre une perte de 14,3 M€ en 2020). Le chiffre d'affaires a atteint 121 M€ (dont 57,1 M€ à l'international) ; le résultat opérationnel (Ebitda) est en forte augmentation, de +61,5 %, à 10,5 M€.

Leonardo (18 mars)

Leonardo Helicopters will deliver six AW189s in 2022 to the Search and Rescue (S&R) Bureau of China's Ministry of Transport (MOT CRS) which currently operates 20 helicopters from eight bases along China's coastline. MOT CRS is China's only national maritime S&R organization.

Aviation Commerciale**Air India Tata Group (25 mars)**

Rolls-Royce has said that Air India, now owned by the Tata Group, is considering the purchase of 30 Airbus A350s to aggressively pursue international growth.

De Havilland Aircraft of Canada Twin Otter Series 400 (24 mars)

De Havilland Aircraft of Canada Limited has announced that Indian company Big Charter Private Limited has signed a Letter of Intent to purchase up to ten new Twin Otter Series 400 aircraft for operation by its airline named Flybig. The companies will work towards a definitive purchase agreement that would include five firm-orders and five options.

Air Canada (22 mars)

Air Canada will take delivery of 26 new Airbus A321XLR aircraft with deliveries taking place between the first quarters of 2024 and 2027. Fifteen of the aircraft will be leased from Air Lease Corp. and five from AerCap. Air Canada will also purchase six aircraft from Airbus together with purchase rights for an additional 14 for delivery between 2027 and 2030.

China Eastern Airlines / Boeing 737-800 (21 mars)

China Eastern Airlines and its subsidiaries have grounded their combined fleet of 223 Boeing 737-800s following the crash of a 737-800 in the Guangxi Zhuang Autonomous Region. China Eastern's fleet of over 600 airplanes includes 108 Boeing 737-800s and thirty-nine 737-700s.

WestJet Cargo / GTA Group (21 mars)

Beginning in 2022, WestJet Cargo will partner with the GTA Group to increase air cargo capacity using four dedicated 737-800NG freighters. They will provide overnight express cargo service out of WestJet's Toronto hub.

N.B : La langue utilisée reflète le contenu original de la source citée et n'a pas été traduite afin de ne pas altérer le sens du contenu partagé.

Finnair (21 mars)

Suite à la fermeture de l'espace aérien russe, Finnair, qui avait été la première à relier Tokyo sans escale en passant par le pôle Nord en 1983, a rouvert la route du pôle depuis le 9 mars dernier, pour la première fois depuis 30 ans.

Delta Air Lines (19 mars)

Delta Airlines a signé un protocole d'accord pour devenir la 1ère compagnie aérienne basée aux États-Unis à collaborer avec Airbus sur le développement d'avions à hydrogène. Delta Airlines fournira son expertise pour identifier les attentes de la flotte et du réseau, ainsi que les exigences opérationnelles et d'infrastructure nécessaires pour développer des avions commerciaux propulsés à l'hydrogène.

Aviation d'affaires

Signature Aviation (24 mars)

Signature Aviation, the parent company of Signature Flight Support, has entered into an agreement to purchase the FBO holdings of TAC Air, which consist of 16 locations throughout the U.S. The Signature Flight Support FBO chain includes more than 200 locations globally.

Canada /Proposed Aircraft Luxury Tax (21 mars)

The Canadian government has stepped back from its previous position that could have seen virtually all private aircraft purchased in Canada taxed as luxury "personal" aircraft. New draft legislation proposes that tax relief be expanded to take into account "qualifying flights that are conducted in the course of a business with a reasonable expectation of profit."

Sandhills Global/Preowned business jet (18 mars)

Sandhills assigns a metric called the equipment value index (EVI) to business jets. Preowned business jet inventories declined 70 percent between February 2021 and last month, and 63.4 percent for large business jets. This increased the EVI for preowned large-cabin business jets by 16.7 percent year-over-year, to \$20.3 million.

Défense

Steadicopter (25 mars)

Israeli aviation firm Steadicopter has unveiled an armed, unmanned rotorcraft with precision strike capabilities. The Golden Eagle unmanned helicopter features AI-based technology that supports situational awareness and autonomous multi-target classification and tracking.

N.B : La langue utilisée reflète le contenu original de la source citée et n'a pas été traduite afin de ne pas altérer le sens du contenu partagé.

Airbus Helicopters / Marine nationale France (25 mars)

Airbus Helicopters a débuté les essais en mer du système d'appontage et de décollage autonomes du VSR700, un drone développé pour la Marine nationale. Le VSR700 est conçu pour opérer en complément d'autres plateformes embarquées, et est un système autonome de la classe 500-1000 kg (masse maximale au décollage).

Dexterra Group/ Future Aircrew Training (FAcT) (24 mars)

Dexterra Group, a leading Canadian facilities management organization, has become a partner of Babcock Leonardo Canadian Aircrew Training for the Future Aircrew Training (FAcT) program.

Dassault Aviation/Grèce (24 mars)

Dassault Aviation a reçu du ministère grec de la Défense Nationale un contrat pour l'acquisition de six Rafale neufs additionnels. Ce contrat, qui fait suite à l'acquisition par la Grèce de 18 Rafale en janvier 2021, portera à 24 le nombre de Rafale exploités par l'Armée de l'Air grecque. Les premiers 18 Rafale seront déployés d'ici à l'été 2023 et les six additionnels à partir de l'été 2024.

Bell /US Army (23 mars)

Bell's V-280 Valor tilt rotor is a clean-sheet design competing for the US Army Future Long Range Assault Aircraft program. Bell is currently refining the V-280's speed and range, which it considers to be important competitive distinctions.

Lockheed Martin UK/ Israel Aerospace Industries (IAI) (21 mars)

Lockheed Martin UK and Israel Aerospace Industries (IAI) have partnered for the joint global promotion of a Ground-Based Air Defence (GBAD) system that combines their SkyKeeper and Barak MX systems respectively. Compared with existing systems this GBAD can detect small UAVs and loitering munitions as well as large targets.

MRO

Turkish Technic (23 mars)

Turkish Technic recorded 15.7% growth in 2021 versus 2020, with US\$1.034 billion in revenues. It supplied 672 aircraft base maintenance services, overhauled 216 landing gear systems and supplied over 100,000 components. With its new hangars at Istanbul Airport Turkish Technic can perform Boeing 787 base maintenance and has increased its landing gear capacity by 40%.

Drones - Advanced Air Mobility

CS Group/Thales (22 mars)

La Direction générale de l'armement (DGA) a sélectionné l'offre de CS Group associé à Thales pour équiper la France d'un système performant de lutte anti-drones en prévision des Jeux Olympiques de Paris 2024. Selon son appel d'offres, le ministère des Armées envisage de consacrer un budget de 350 M€ sur dix ans à la lutte anti-drones.

AIA-Avascent / autonomous aircraft market (22 mars)

Research performed by the Aerospace Industries Association (AIA) and Avascent estimates that the market for self-flying aircraft will grow 25% per year to reach \$325 billion by 2040.

Spatial

Arctic Observing Mission (25 mars)

The Canadian Space Agency (CSA) has posted a tender notice for a study on the socio-economic benefits of the Arctic Observing Mission, a possible government of Canada Earth observation mission. It is jointly proposed by Environment and Climate Change Canada (ECCC) and the CSA. The US National Oceanic and Atmospheric Administration (NOAA) and NASA could be potential partners.

Safran Electrical & Power (25 mars)

Safran Electrical & Power et Airbus Defence and Space ont signé un accord pour équiper en câblages électriques le satellite nouvelle génération OneSat, destiné aux opérateurs de télécommunications. Le contrat cadre porte sur l'ensemble des satellites OneSat sur les cinq prochaines années et les premières livraisons se feront au premier semestre 2022.

GHGSat (24 mars)

GHGSat reports that it detected 143 MTCO₂e (metric tons of carbon dioxide equivalent) in methane emissions in 2021. This is the equivalent of "31.2 million cars driving on the road for a year." It also states that 2.3 MTCO₂e in emissions were mitigated in 2021, but emissions continue to increase.

NASA (23 mars)

NASA will continue the Sustaining Lunar Development program, a second lunar lander, in addition to the Human Landing System under development by SpaceX. This decision is intended to provide competition with SpaceX during the later phases of the Artemis program.

Leonardo/SES (22 mars)

Leonardo vend (450 M\$) de son activité de communication par satellite Global Enterprise Solutions (GES) au fournisseur de services de télécommunications par satellites SES (Luxembourg); vente qui sera finalisée au second semestre 2022.

N.B : La langue utilisée reflète le contenu original de la source citée et n'a pas été traduite afin de ne pas altérer le sens du contenu partagé.

OneWeb (21 mars)

OneWeb a conclu un accord avec SpaceX pour assurer les lancements nécessaires à la finalisation de sa constellation en orbite basse, après le refus par l'agence spatiale russe Roscosmos de procéder aux lancements prévus à bord de Soyouz pour le compte d'Arianespace. Avec le dernier vol opéré par Soyouz en février, OneWeb avait porté à 428 le nombre de satellites composant sa constellation, soit deux tiers du total prévu.

Lockheed Martin (21 mars)

Lockheed Martin plans to launch its new LM400 satellite bus later this year in a test and demonstration mission. The LM400 is a low-cost alternative bus for both commercial and government markets. The mid-size LM700 weighs 1,700 kilograms, including payload.

Orbit Fab (21 mars)

Orbit Fab has been awarded a \$12 Million AFWERX Strategic Funding Increase and Tactical Funding Increase (STRATFI) contract to integrate its Rapidly Attachable Fluid Transfer Interface (RAFTI) with DOD assets to provide in-orbit refueling services to multiple DOD satellites.

Innovation

Cranfield Aerospace Solutions (25 mars)

Safran Corporate Ventures et la société britannique HydrogenOne Capital Growth plc (HGEN) vont investir conjointement dans la société Cranfield Aerospace Solutions Ltd (CAeS). CAeS se concentre sur la certification CAA (Civil Aviation Authority) du Britten-Norman Islander utilisant une technologie de propulsion électrique alimentée par pile à combustible hydrogène.

US Defense Advanced Research Projects Agency (18 mars)

The US Defense Advanced Research Projects Agency (DARPA) will continue development and flight testing of its Liberty Lifter hybrid boat-plane concept. The objective is to develop a seaborne and airborne vehicle capable of carrying heavy payloads. It will operate efficiently in both ground effect and sustained out of ground effect flight, and enable efficient theatre-wide transportation at speeds far exceeding existing sealift platforms.

US Department of Defense /Touchlight Genetics / University of Utah (16 mars)

The Defence Science and Technology Laboratory in partnership with the Department of Defense's Office of Naval Research Global, Touchlight Genetics and the University of Utah, is developing bio-batteries that consist of DNA, enzymes, water, and lactate and could offer a more sustainable form of energy. The concept is to degrade a naturally occurring product such as lactate using enzymes bound to a DNA structural scaffold. The cascade process releases electrons, which are then captured and can be used as electrical power.

N.B : La langue utilisée reflète le contenu original de la source citée et n'a pas été traduite afin de ne pas altérer le sens du contenu partagé.