

Brèves de l'industrie aérospatiale – 13 septembre 2021

Industrie Aérospatiale

Airbus (8 septembre)

Airbus a enregistré en août 2021, 102 commandes et trois annulations, soit cent de plus qu'en juillet. Durant les huit premiers mois de l'année, Airbus totalise 269 commandes brutes et 132 commandes nettes. En août Airbus a livré 40 avions : 5 A220-300, 16 A 320neo, 16 A 321neo, 1 A321ceo et 2 A350. Sur les huit premiers mois de l'année, Airbus a livré 384 avions à 70 clients.

Spirit AeroSystems and Turkish Aerospace Industries (8 septembre)

Spirit AeroSystems has awarded two contracts to Turkish Aerospace. The first is for the Section 48 "tail feather" for the Boeing 737 MAX-8 and the second for over 400 parts and sub-assemblies for a range of Boeing platforms.

FACC (6 septembre)

Austrian-based FACC AG is to be the sole supplier of rudders and elevators for the A220. The first components will be delivered in early 2022. FACC was acquired by Xi'an Aircraft Company Ltd in 2009 and became a publicly listed company in 2014.

Boeing (4 septembre)

Delivery of Boeing 787 Dreamliners will likely remain halted until at least October because the FAA has rejected Boeing's inspection plan. Some undelivered Boeing 787s have a new manufacturing quality issue that must be rectified before delivery.

CAE (3 septembre)

CAE USA has acquired a minority stake in the flight training activities of SkyWarrior Flight Training LLC, based in Pensacola, Florida.

Aviation Commerciale

Emerald Airlines (8 septembre)

La nouvelle compagnie Emerald Airlines (Irlande) a reçu son certificat de transporteur aérien (CTA) de la part des autorités irlandaises de l'aviation civile. La compagnie a acquis 6 ATR 72-600 auprès de Chorus Aviation Capital, dont elle vient de recevoir un premier exemplaire.

Eurocontrol (8 septembre)

Selon Eurocontrol, les compagnies low-cost en Europe ont eu une activité importante cet été. Ryanair a transporté plus de 11,1 millions de passagers et Transavia, filiale low-cost d'Air France, a transporté autant de passagers qu'il y a deux ans et le double qu'en 2020.

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Transportation Security Administration (TSA) (6 septembre)

According to the US Transportation Security Administration (TSA) US domestic traffic has recovered after a brief slowdown caused by the Delta variant of the coronavirus. On August 1st, traffic was the highest since the pandemic began, with over 2.2 million passengers.

Ryanair/Boeing (6 septembre)

Ryanair ended talks with Boeing over a purchase of 737 MAX 10 jets, the largest MAX variant, "due to differences over price". Europe's largest budget carrier is already the region's largest MAX customer with 210 of the 197-seat MAX 8-200 on order.

Philippine Airlines (6 septembre)

Further to filing for Chapter 11 restructuring, Philippine Airlines will reduce its fleet from 92 to 70 aircraft by returning both narrowbody and widebody aircraft to lessors. It has also postponed the delivery of 13 Airbus A320neo family jets.

The International Air Transport Association IATA (3 septembre)

IATA has reported that both international and domestic travel demand showed a significant month over month increase in July but was 53.1% less than July 2019. International passenger demand in July was 73.6% less than in July 2019. Total domestic demand was down 15.6% versus pre-crisis levels (July 2019). Global air cargo continued its strong growth.

Aviation d'affaires**Argus International (9 septembre)**

In August, North American business aircraft traffic increased 38.7 percent year-over-year and 10 percent over 2019. August European flight activity increased by 36.4 percent year over year and 27.2 over July 2019. August was the second busiest month on record.

Volato (9 septembre)

Atlanta-based Volato, a new charter-fractional ownership company, has launched a share program for the HondaJet Elite S. It has taken delivery of its first aircraft and will take delivery of nine more in 2020 and 2021. It manages all aircraft maintenance, fees, and flight operations, while owners simply schedule flights through the company app.

Défense

Indian acquisition of Airbus C295 (9 septembre)

India's Cabinet Committee on Security (CCS) has approved the acquisition of 56 Airbus Defence & Space C295 tactical transports. Airbus will produce 16 aircraft in Seville, Spain, and an Indian consortium led by Tata Advanced Systems will produce 40. The Indian defence ministry says that a large number of structural parts and assemblies will be manufactured in India.

Airbus Helicopters (8 septembre)

Airbus Helicopters a livré le premier UH-72B de 18, la dernière variante de son hélicoptère Lakota, à l'US Army National Guard depuis son site de production de Columbus, Mississippi.

GE – Air Force Adaptive Engine Transition Program (8 septembre)

GE Edison Works is testing the final prototype for the USAF's Adaptive Engine Transition Program to develop three-stream variable cycle engines. The XA100 offers increased performance for combat aircraft such as the F-35 and future fighter aircraft under the Next Generation Air Dominance program. Pratt & Whitney is also developing the XA101 concept.

Lockheed Martin Johnstown facility (8 septembre)

Lockheed Martin will expand its Johnstown, PA facility to manufacture parts for the F-16 combat aircraft. They will include the aft engine access covers, engine access doors, a fuel tank and engine inlets. This is in response to increased market interest in the F-16.

Hypersonic cruise missiles (8 septembre)

The US Air Force (USAF) has awarded contracts to Boeing (\$39.7 m), Lockheed Martin (\$27.2 m) and Raytheon (\$27.9 m) to develop air-breathing, hypersonic cruise missiles. These contracts are part of the Southern Cross Integrated Flight Research Experiment (SCiFiRE), a joint US-Australian initiative. The companies will develop their concepts to the preliminary design review stage.

Rolls-Royce (7 septembre)

Rolls-Royce has identified military primary trainers as early applications for technologies being matured under Project ACCEL. Rolls-Royce is leading this initiative by installing a 400kW electric powertrain in a Sharp Nemesis NXT racing aircraft.

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MRO

GA Telesis (8 septembre)

GA Telesis MRO Services Group has developed a transmissivity test cell for radome MRO at its FAA- and EASA-approved composite and aerostructures repair facility in Florida.

Air Canada and CAE (7 septembre)

CAE and Air Canada have announced a five-year aircraft maintenance training partnership agreement by which CAE becomes Air Canada's embedded Transport Canada Approved Training Organization for Aircraft Maintenance and Engineering.

AJW Group (7 septembre)

AJW Group has launched a European MRO facility named AJW Technique Europe located near Gatwick Airport, UK. Its initial specialisations will include battery repair as a result of its acquisition of Avia Component Services. This is its second MRO facility after AJW Technique.

Drones- Advanced Air Mobility

Archer Maker eVTOL (9 septembre)

Archer Aviation has reached an agreement with the USAF to jointly explore the technical readiness and suitability of the Maker eVTOL aircraft. Archer will provide the USAF and the AFWERX Agility Prime Office with data from flight tests. The USAF will use these data to assess the potential to purchase the aircraft within the next three years. Archer has also received approval from the FAA to pursue type certification in accordance with FAR 23 regulations.

Becker Avionics /Iris Automation (8 septembre)

Becker Avionics and Iris Automation have formed a strategic partnership to jointly develop a non-required safety-enhancing equipment (Norsee) collision avoidance safety system for general aviation aircraft and UAVs. It will use computer vision and machine learning to identify potential threats and issue pertinent 3D audio warnings.

United States and India (6 septembre)

The US Air Force Research Laboratory and India's Defence Research and Development Organisation plan to work jointly on air-launched UAVs. The collaboration will fall under the auspices of the US-India Defense Technology and Trade Initiative.

Shanghai TCab Technology Co (6 septembre)

Shanghai TCab Technology Co, announced initial testing of its E20 electric five-seat tiltrotor with a design cruise speed of 260 km/hr and a design range of 200 km. Morgan Stanley estimates that China could account for around 25% of the \$1 trillion market for urban air mobility (UAM).

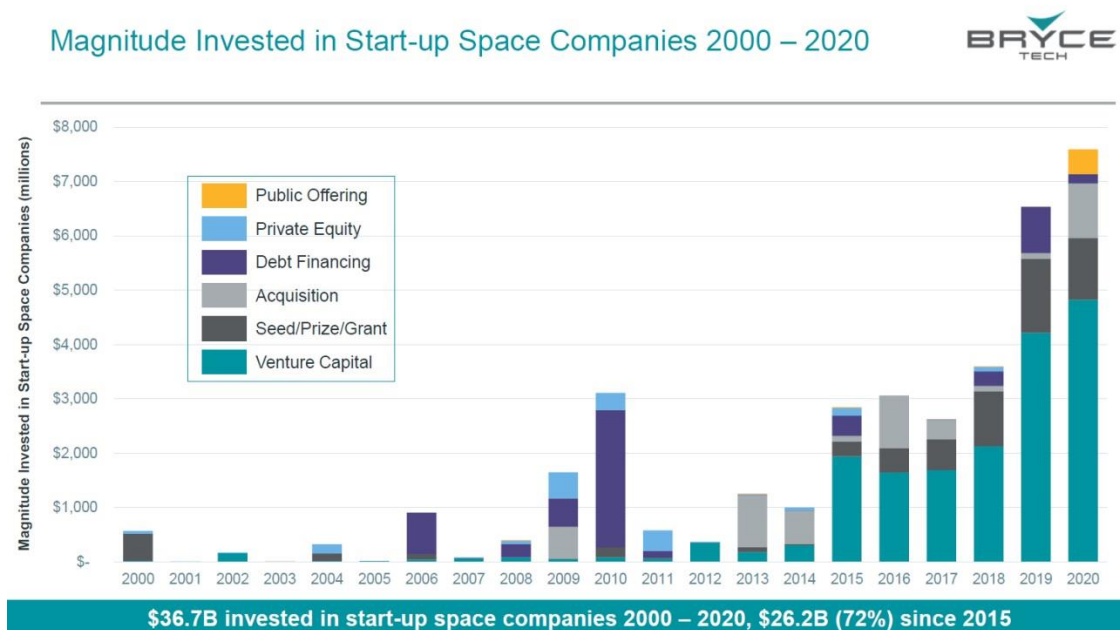
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SAMAD Aerospace (6 septembre)

SAMAD Aerospace has started the certification process of its Starling Cargo aircraft. With a cruising speed of 95 mph, ceiling of 10,000 feet and range of up to 135 miles, this eVTOL aircraft will carry a 50 kg payload. It will be remotely piloted with auto pilot capability.

Spatial

Investments in space start-up companies 2020-2021



C-COM (8 septembre)

C-COM Satellite Systems (Ottawa, ON) has announced that its Ka band electronically steerable phased array antennas are “delivering good results at different scanned angles over the Telesat Anik F3 satellite.” Originally mounted on trucks, C-COM’s current iNetVU antennas can be carried by one person in a reasonably portable case.

Safran Data Systems (8 septembre)

Safran Data Systems fournit à la société norvégienne Kongsberg Satellite Services (KSAT) des antennes ORION 1100, qui seront installées et exploitées pour étendre le réseau de stations sol de poursuite de satellites de la NASA.

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Innovation

CFM RISE (8 septembre)

The RISE demonstration program for an open rotor engine will test a rotor more than 12 ft. in diameter. It will also incorporate other technologies including new combustor designs to ensure future compatibility with both sustainable aviation fuels and liquid hydrogen and the integration of electric motors and starter-generators for hybrid-electric adaptation. Other features will include an exhaust heat recuperating system, a hot section incorporating ceramic matrix composites, and resin-transfer-molded composite fan blades.

Safran Helicopter Engines (8 septembre)

Safran has successfully test run one of its Makila 2 helicopter engines on 100 percent sustainable aviation fuel (SAF) using a cooking oil-derived biofuel from TotalEnergies. This marks the start of a campaign to evaluate the operational impact of running a helicopter engine on 100 percent SAF using Safran's "Bearcat" advanced test bench for turbomachinery combustion and aerothermal testing located at the company's facility in Bordes, France.

Conversion of ethanol to jet fuel (8 septembre)

The U.S. Department of Energy's Pacific Northwest National Laboratory is leading development and scale-up of a process for converting alcohol sourced from renewable or industrial waste gases into jet or diesel fuel. This single-step process converts ethanol into a chemical called n-butene. This would be a more efficient way of performing this conversion process that reduces emissions of carbon dioxide by using renewable or recycled carbon feedstocks.

Wright Electric / EasyJet (8 septembre)

La low-cost britannique EasyJet a annoncé son partenaire, la startup américaine Wright Electric, a débuté les essais au sol du moteur électrique de forte puissance destiné à équiper son avion monocouloir, le Wright 1, à l'horizon 2030. Le début des essais en vol est prévu à l'horizon 2023.

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