

The Government of Canada orders 4 new Airbus A330 MRTTs

- Additionally, 5 commercial A330s to be converted
- First delivery scheduled in 2027

The Government of Canada has awarded Airbus Defence and Space with a contract for four newly-built Airbus A330 Multi Role Tanker Transport aircraft (MRTT) and for the conversion of five used A330-200s in a quest to strengthen Canada's continental defence capabilities. The current contract has an order value of approximately CAD \$3 billion or 2.1€ billion (excluding taxes). Known as the Strategic Tanker Transport Capability (STTC), this new fleet of aircraft will replace the ageing CC-150 Polaris (A310 MRTT), operated by the Royal Canadian Air Force (RCAF). The existing A310 fleet is being used to perform air-to-air refuelling operations, military and personnel and cargo airlift, medical evacuations, as well as strategic transport of Government of Canada officials.

“As the world's most advanced multirole tanker aircraft, the A330 MRTT perfectly matches Canada's needs to protect its sovereignty as well as to enhance operations both in the North American Aerospace Defence Command (NORAD) as well as in NATO,” said Mike Schoellhorn, Chief Executive Officer of Airbus Defence and Space. “Canada achieves this enhancement of operations not only by improving interoperability with other allied A330 MRTT customer nations but also due to the aircraft's technological primacy ahead of the global competition.” The newly-built A330-200s will be assembled at the A330 aircraft Final Assembly Line in Toulouse, France. Scheduled to enter into conversion at A330 MRTT facilities in Getafe, Spain, in mid-2025, the first MRTT will be delivered to the RCAF in 2027. Under the agreement, the A330 MRTTs will be equipped with both the hose and drogue and a boom as refuelling options, cybersecurity solutions and countermeasures. All of them could be installed with the also included Airbus Medical Evacuation kit solution, consisting of 2 Intensive Care Units and additional stretchers. The contract covers a full suite of training services including the most advanced training devices such as the Full Flight Simulator to prepare and maintain crew readiness as part of the modernisation of the Canadian Armed Forces' air operational training infrastructure. Following an open procurement process, in April 2021, Airbus was selected as the only qualified supplier for the CC-150 tanker replacement. With 76 orders from 15 customers and able to carry up to 300 troops, the A330 MRTT accumulates 90 percent market share outside the U.S.A. and more than 270,000 flight hours. As a mature platform, the aircraft has been proven in combat in theatres of operations like the Middle East and the Eastern Flank in Europe, with interoperability, mission success and availability rates as highlights of its performance. Airbus has been a leading industrial player in Canada's aerospace sector for almost 40 years. The company employs over 4,000 people locally and sources approximately CAD \$2 billion from Canadian companies.

Quelle:

Airbus Press Release 25 July 2023

U.S. Airlines to Support NASA-Boeing Sustainable Flight Demonstrator Project

- Airlines to provide feedback and insight on operations and airport compatibility
- NASA and Boeing unveil X-66A livery

Boeing [NYSE: BA] and NASA will collaborate with U.S. airlines to advise the Sustainable Flight Demonstrator (SFD) project and development of the X-66A research aircraft. As part of a new sustainability coalition, Alaska Airlines, American Airlines, Delta Air Lines, Southwest Airlines and United Airlines will provide input on operational efficiencies, maintenance, handling characteristics and airport compatibility.

NASA and Boeing also unveiled the new X-66A livery today at EAA AirVenture Oshkosh.

"Hearing directly from the operators during all phases of the Sustainable Flight Demonstrator project will help us understand exact requirements and tradeoffs," said Todd Citron, Boeing chief technology officer. "The airlines' feedback will significantly contribute to the X-66A project learnings while furthering aviation sustainability."

The X-66A will test the Transonic Truss-Braced Wing (TTBW) airframe configuration and will be built from a modified MD-90 aircraft at a Boeing facility in Palmdale, Calif. It is NASA's first X-plane focused on helping achieve its goal of net-zero aviation greenhouse gas emissions.

When combined with expected advancements in propulsion systems, materials and systems architecture, a single-aisle airplane with a TTBW configuration could reduce fuel consumption and emissions up to 30% relative to today's domestic fleet of airplanes.

The U.S. airlines will offer feedback throughout the project, including:

- **Design:** Airline participants will share feedback on sustainable operations and airport compatibility. While the X-66A will have a wingspan of 145 feet, the TTBW design could be used by airplanes of different sizes and missions and may benefit from folding wing tips to accommodate existing airport infrastructure.
- **Simulation and lab testing:** Airline pilots will have a chance to experience the X-66A through a flight simulator and assess the vehicle's handling characteristics.
- **Flight testing:** Airline operations and maintenance teams will assess the X-66A as modifications are made to the airplane. Flight testing is slated for 2028 and 2029 out of NASA's Armstrong Flight Research Center at Edwards Air Force Base.

Quelle:

Boeing Press Release 25 July 2023

Australia to buy 20 C-130 Hercules aircraft from the US for \$6.6 billion

Australia said Monday it will buy 20 new C-130 Hercules from the United States in a 9.8 billion Australian dollar (\$6.6 billion) deal that will increase by two-thirds the size of the Australian air force's fleet of its second-largest heavy transport aircraft.

The announcement follows the U.S. Congress' approval last year of a larger sale of 24 of the Lockheed Martin-manufactured propeller-driven aircraft.

The United States and Australia are currently conducting their biennial Talisman Sabre military exercise along the Australian coast that this year involves 13 nations and more than 30,000 personnel as global concerns intensify over an increasingly assertive China.

The first of the new four-engine Hercules is expected to be delivered in 2027 and the new aircraft will eventually replace the fleet of 12 Hercules currently operated by the Royal Australian Air Force from RAAF Base Richmond near Sydney, Defense Industry Minister Pat Conroy said.

The purchase "will almost double the fleet and represents a massive uplift in capability, in mobility and transport for the Royal Australian Air Force," Conroy told reporters.

"Almost doubling the fleet gives us more capacity to deploy them on multiple operations at the same time, and that's the critical driver," Conroy added.

The Australian air force also operates eight of the larger Boeing C-17A Globemaster heavy transport jet aircraft.

The deal was confirmed ahead of U.S. Defense Secretary Lloyd Austin and Secretary of State Antony Blinken meeting with their Australian counterparts for annual talks late this week in the Australian city of Brisbane.

It is Blinken's third trip to Asia in less than two months, highlighting U.S. efforts to counter growing Chinese influence in the region.

A closer bilateral military relationship with Australia was underscored Saturday when the USS Canberra was commissioned in Sydney. The Independence-variant littoral combat ship, built by Australian manufacturer Austal, became the first U.S. warship to be commissioned in a foreign port.

The original Canberra was a U.S. cruiser launched in 1943 and named after the Australian cruiser HMAS Canberra, which was torpedoed by the Japanese in 1942 with a loss of 193

lives while supporting U.S. Marines landings in the Solomon Islands. The Australian warship was named for Australia's capital.

The Solomons are again a security concern for the United States and its allies over recent security agreements that the South Pacific nation signed with China.

Conroy, who is also Australia's minister for international development and the Pacific, flew to the Solomons later Monday to mark the 20th anniversary of the arrival in the capital, Honiara, of an Australian-led force of Pacific Islands troops and police.

The Regional Assurance Mission to Solomon Islands was invited by the Solomons government to end years of civil unrest. The force left in 2017, but Australian police and military personnel returned in late 2021 at Solomons Prime Minister Manasseh Sogavare's request to quell anti-government and anti-China rioting. Australian peacekeepers remain in Honiara.

Quelle:

Lockheed Martin Press Release 26 July 2023

CAE announces its commitment to the Progressive Aboriginal Relations (PAR) program

In honour of National Indigenous Peoples Day (June 21) and as part of its objective to create positive and meaningful relations with Indigenous businesses and communities, CAE is proud to announce it is now at the "Committed" level of the Progressive Aboriginal Relations (PAR) program.

Established by the Canadian Council for Aboriginal Business (CCAB), the PAR Program is a rigorous, independent and third-party certification program for corporate performance in Indigenous relations. The process evaluates measurable outcomes and initiatives in four performance areas: Leadership Actions, Employment, Business Development, and Community Relations (Engagement and Support).

"Inspired by the Truth and Reconciliation Commission Call to Action 92, CAE is committed to economic reconciliation with Indigenous Peoples. We strive to be good business partners for Indigenous communities and businesses," said CAE's President and CEO Marc Parent.

"The PAR certification is an excellent opportunity for us to measure and strengthen the work we are doing in deepening relations with Indigenous communities."

As a PAR Committed company, CAE will undergo a process of external verification. The assessment will be conducted by a jury of external verifiers composed of Indigenous individuals from the business community. CAE works collaboratively with the CCAB and Indigenous stakeholders towards the long-term goal of achieving a Gold certification.

CAE's commitment to PAR is another step on the company's journey to building relations with Indigenous Peoples in Canada and around the world. As part of this journey, CAE has taken the following steps:

- Rolled out Indigenous Awareness Training to all people leaders in Canada;
- Donated \$205,000 to First Nations Technical Institute (FNTI), the only Indigenous flight school of its kind in Canada, following a fire which destroyed their hangar;
- Awarded 30 scholarships to Indigenous university students in Canada through a partnership with Indspire;
- Formed a global Indigenous Employee Resource Group and hosted panels with Indigenous community leaders to help raise awareness;
- Conducted a voluntary global self-identification survey to benchmark the number of Indigenous employees at CAE;
- Sponsored the First Nations University of Canada Pow-wow in Regina;
- Participated in the Tokata career fair in Regina; and
- Will officially launch a CAE Indigenous Advisory Board in the fall of 2023 to help guide its reconciliation efforts.

Quelle:

CAE Press Release 21 June 2023

Bartolomeo – The Easy Way of Bringing Payloads to the ISS

‘When it comes to making access to Space easier and more affordable, why not resort to an established infrastructure that already exists?’ This is one of the questions Airbus engineers asked themselves when they started looking at how they could make the many benefits of Space-based activities accessible to a wider community.

Turns out: The International Space Station (ISS) - one of (if not *the*) most reliable assets humanity has in Space today - offers just that. “When we first started thinking about Bartolomeo, we soon saw that while payload space on the ISS was available and well-used especially for agency-backed research, we were not exploiting the station’s full potential,” says Christian Steimle, now Head of the Bartolomeo Programme at Airbus Space. “So we started looking at how we could establish both additional infrastructure and a commercial service, which would enable more flexibility, a faster time-to-orbit, greater affordability and simpler processes.”

The result: The Bartolomeo platform and the related All-in-One Space Mission Service. This external payload hosting facility, named after the younger brother of Christopher Columbus, was built by Airbus in Bremen and installed on the outside of the ISS’ European Columbus Module at the very front of the space station. ESA astronaut Matthias Maurer completed its installation by establishing a final cable connection in March 2022 and the platform is ‘open for business’.

The team has since added the ArgUS Multi-Payload Carrier to the portfolio, a payload accommodation plate built by the Airbus team in Houston and ready to host up to 10 smaller payloads within one standard payload slot.

Quelle:

Airbus Press Release 24 July 2023

TEXTRON SYSTEMS, TEAM LYNX OMFV MANUFACTURER, MOVES AHEAD TO PROGRAM PHASES 3 AND 4

U.S. Army Program’s Detailed Design and Prototype Build & Test Phases

Leverage Textron Systems’ Slidell, Louisiana Vehicle Production Capabilities

Textron Systems Corporation, a Textron Inc. (NYSE:TXT) company, announced today that the company will move ahead into Phases 3 and 4 of the U.S. Army’s Optionally Manned Fighting Vehicle (OMFV), now known as XM30 combat fighting vehicle program as the designated manufacturer of Team Lynx, led by American Rheinmetall Vehicles. Team Lynx’s OMFV offerings for the Detailed Design and Prototype Build & Test phases leverage Textron Systems’ vehicle production capabilities based in Slidell, Louisiana.

A multidomain industry leader in air, land and sea platforms; weapon systems; electronic systems; propulsion; and test, training and simulation, Textron Systems has more than 50 years of armored vehicle expertise. The company’s Slidell, Louisiana, facility has produced more than 10,000 vehicles for over 15 domestic and international programs. In addition,

Textron Systems brings decades of experience in the design, manufacturing, systems integration and support for uncrewed and robotic platforms across air, land and sea.

“Textron Systems’ combat vehicle manufacturing facility, uncrewed and robotic platform experience, and highly skilled talent further strengthen the low-risk Team Lynx offering for the Army’s next great American infantry fighting vehicle,” said Senior Vice President Land Systems and Sea Systems David Phillips. “Already honored to support numerous U.S. Army modernization programs across domains, we stand ready to deliver an OMFV that delivers decisive overmatch.”

The Team Lynx OMFV is designed to achieve the Army’s combat vehicle modernization priorities, but with an open systems architecture that will enable persistent modernization to support infantry formations for years to come. In addition, a modular design and powerful new chassis enable the system to meet rigorous operational demands in a variety of vehicle configurations. Developed and manufactured in America, Textron Systems and American Rheinmetall Vehicles are joined on Team Lynx by Raytheon Technologies, L3Harris Technologies, Allison Transmission and Anduril Industries.

Quelle:

TEXTRON Press Release 26 July 2023

Spannend und herausfordernd: Klimafreundlicher Luftverkehr: Wie können wir das Fliegen CO2-neutral gestalten?

Am 28.06.2023 fand bereits zum 15. Mal der Tag der Verkehrswirtschaft im großen Konferenzsaal des Ludwig-Erhard-Hauses statt. Bei der gemeinsamen Veranstaltung der IHK Berlin und Berlin Partner mit dem Cluster Verkehr, Mobilität und Logistik, drehte sich in diesem Jahr alles um das Thema: Klimafreundlicher Luftverkehr: Wie können wir das Fliegen CO2-neutral gestalten?

Am 28.06.2023 fand bereits zum 15. Mal der Tag der Verkehrswirtschaft im großen Konferenzsaal des Ludwig-Erhard-Hauses statt.

Bei der gemeinsamen Veranstaltung der IHK Berlin und Berlin Partner mit dem Cluster Verkehr, Mobilität und Logistik, drehte sich in diesem Jahr alles um das Thema:

Klimafreundlicher Luftverkehr: Wie können wir das Fliegen CO2-neutral gestalten?

Den mehr als 100 Teilnehmenden wurde ein breites Programm hochkarätiger Redner geboten:

Nach der gemeinsamen Eröffnung durch Berlin Partner und die IHK Berlin gab Dr. Anna Christmann, MdB und Koordinatorin für Luft- und Raumfahrt der Bundesregierung einen Einblick in die politischen Herausforderungen und Chancen auf dem Weg zu einer klimafreundlichen Luftfahrt. Gefolgt vom Vortrag Aletta von Massenbach, CEO des Flughafens Berlin-Brandenburg zum Thema „Was kann der BER zum klimaneutralen Luftverkehr beitragen?“ und der Präsentation von Stephan Erler, Deutschland-Chef EasyJet zu klimaverbessernden Maßnahmen, Zielen und Perspektiven der Airline.

Neueste Entwicklungen und Forschungen in der Antriebstechnik und weiteren Technologien zur Verbesserung der Klimabilanz der Luftfahrttechnik stellte Dr. Peter Wehle, Head of Innovation and R&T von Rolls Royce vor. Zwei spannende Innovationen aus Berlin folgten: Von Klaus Tenning, Leitung Studien, Kooperationen und Innovationsmanagement Labor Berlin: Vernetzung Charité und Vivantes Klinikstandorte mittels Lieferdrohnen und von Johannes Gabino-Anton, CTO und Co-Founder NEX (Aero) – Start-Up eines neuen Vertical Take Off and Landing Aircraft.

Das DLR-Institut für Luftverkehr, vertreten von Dr. Florian Linke, Institutsdirektor, stellte Ihre umfangreichen Forschungen zum Erreichen der bis 2045 geplanten Klimaziele vor.

Durch diese Beiträge waren, von der Forschung bis hin zu den Anwendern der klassischen und der neuen Luftmobilität mittels Drohnen, alle relevanten Akteursgruppen vertreten.

Am Ende der abschließenden Podiumsdiskussion stand die übereinstimmende Meinung im Raum - Es ist noch viel zu tun und es werden große Geldsummen erforderlich werden, um Klimaneutralität in der Luftfahrt zu erreichen, aber die ersten Schritte sind getan und uns erwarten spannende Zeiten mit neuen Technologien und neuartigen Mobilitätsformen.

Quelle:

BBAA Press Release 28 June 2023

Deutsche Aircraft and ASE S.p.A. announce agreement for AC Primary Power

Generation & Distribution System for the D328eco™

Deutsche Aircraft and the aerospace Italian company ASE S.p.A. announced at the Paris Airshow their new agreement for the AC Primary Power Generation and Distribution Systems for the D328eco, the brand new regional 40-seater sustainable turboprop from Deutsche Aircraft.

The AC electrical system from ASE mainly consist of two 25 kVA AC generators, two Generator Control Units (GCU) and two Primary Power Distribution Unit (PDU).

The AC Generators are attached to the propeller gear box which provides the appropriate RPM. Each generator is controlled by its generator control unit and outputs the power to the

two-channel primary power distribution unit. From there, power is supplied to all AC loads via the secondary power distribution system.

“We’re proud to announce that we’ve been selected as the AC electrical system supplier for Deutsche Aircraft’s new turboprop D328eco the innovative fixed wing civilian aircraft which is designed to have a lower environmental impact, with comfort and efficiency”, says Giuseppe D’Alò, ASE Chief Executive Officer. “Our AC electrical system will complement the D328eco by being very light, compact and silent. ASE is honored to collaborate with Deutsche Aircraft on such an innovative project. This partnership aligns with our philosophy of care towards the environment and our love for technology”, says Fausto Cosentino, ASE Chief Business Officer.

Maximillian Fahr (Deutsche Aircraft Vice President of Supply Chain) highlighted the importance of the agreement with ASE “ASE is our ideal partner that is prepared to support the D328eco Program with strong project management and integration capabilities across the entire lifecycle of the aircraft. Furthermore, the regional capabilities are a key factor in the supplier selection process along product reliability, and the collaborative approach and experience will ensure compliance with the Program schedule and ramp-up.”

Quelle:

Deutsche Aircraft Press Release 13 July 2023

Zurück in die Zukunft

-Gedanken zur Lage der Nation-

Die Freiheit ist ein hohes Gut; ein Gut, das es zu verteidigen lohnt. Natürlich gab es auch Kritik; Kritik im Grundsatz. Zumeist überwog jedoch der Wunsch nach Sicherheit. Geräuschbelastungen sowie entschleunigende Militärkolonnen waren selbstverständlich, weil notwendig.

Heute empfinden wir Streiks im öffentlichen Raum als Belastung. Ja, es ist belastend, wenn unsere Freiheit auf Flughäfen und Bahnhöfen vorübergehend eingeschränkt wird, wenn Menschen ihre Rechte einfordern. Es ist die Freiheit, für die wir unseren militärischen Dienst geleistet haben, um ebendiese zu sichern. Diese Belastungen müssen nerven. Aber sie sind eben auch selbstverständlich, weil notwendig.

Ein Kommentar von Andreas Hubert, Präsident Forum der Militärischen Luftfahrt e.V.

Den kompletten Artikel lesen Sie im **Newsletter Verteidigung 23/2023 (Seite 18)**

Quelle:

FML

Israel Aerospace Industries unveils POINT BLANK – a hand-launched electro-optical guided missile

A multi-year, multi-million-dollar contract has been awarded by the US Department of Defense to IAI to develop and deliver the new hybrid electro-optically-guided missile

IAI has unveiled its POINT BLANK electro-optically guided missile, that can be carried in a soldier's backpack. The system answers the battlefield requirement to provide tactical units ranging in size from small tactical teams to battalion level, with an independent and organic capability to increase their lethality.

POINT BLANK allows these units to attack a variety of targets in real time with great precision and high lethality, without the need for support. The missile is hand-launched, operated by a single soldier, and can take off from and land vertically back to, the soldier's hand.

IAI, as prime contractor, has been competitively awarded a multi-million-dollar contract by the Irregular Warfare Technical Support Directorate (IWTSD) of the US Department of Defense (DoD) to rapidly develop and deliver "ROC-X" a version of the POINT BLANK system that meets specific US DoD requirements for the purpose of increasing the organic precision strike lethality and survivability of small tactical teams. IAI will provide the first prototypes and training to DoD for Operational Testing & Evaluation in FY 23.

POINT BLANK weighs about 15 lbs and is about 3 ft long. The missile can fly at altitudes above 1,500 ft, at a maximum speed of 178 mph (186 kph) and can hover or loiter in the air while the target's nature and exact position is confirmed prior to attack. Thanks to IAI's advanced manufacturing technologies, the missile can carry electro-optical systems to validate and collect surveillance information in real time, and it is also being developed to be equipped with a warhead to destroy the target.

IAI's Executive VP Systems, Missiles & Space Group, Mr. Guy Bar Lev said: "POINT BLANK joins Israel Aerospace Industries' family of missiles, to provide ground-based tactical forces with more precise capabilities to undertake offensive operations especially against short-lived targets. We wish to thank the IWTSD for its support and cooperation in the field of precision munitions, confirming, yet again, the importance of tactical missiles to the modern army. IAI continues to develop and improve a wide range of offensive systems which provide precision operational solutions, and stands firmly to support our US customers."

IAI is both a national and world center of excellence in the fields of offensive missiles, air defense systems, radars, satellites, remotely controlled platforms, civil aviation, and cyber, supplying end-to-end solutions for use on land, in the air, at sea, and in space.

Quelle:

IAI Press Release 19 January 2023