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## JETSTAR'S FIRST NEO TOUCHES DOWN IN AUSTRALIA

After a four year count down, Jetstar Airways' first brand new, state-of-the-art Airbus A321LR (NEO) aircraft has touched down in Melbourne this morning (09:15am landing), lifting the bar for low fares travel in Australia. The long-range, fuel-efficient aircraft, which has come directly from the Airbus production line in Hamburg Germany, will significantly enhance the inflight experience for customers, with a range of benefits including wider seats, larger overhead storage lockers and in-seat USB power.

In the coming months, the NEOs will also be equipped with digital streaming technology which means customers can access Jetstar's inflight entertainment on their own devices when they fly.

The A321LR is 15 per cent more fuel efficient than Jetstar's current fleet of A320 aircraft, 50% quieter, and can fly up to 1200kms further – making it the lowest emissions aircraft in the Jetstar fleet.

This is first in Jetstar's pipeline of 38 new NEO aircraft, with the aircraft set to start flying on some of Jetstar's most popular domestic routes in early September, including from Melbourne to Cairns. Speaking at Melbourne Airport today as the aircraft touched down, Jetstar CEO Gareth Evans said the arrival



Jetstar A321neo LR 31

of the A321LR is one of the most significant milestones in Jetstar's 18-year history.

"Our fleet of new NEOs will lift the bar on passenger comfort, and we've fine-tuned the cabin configuration to set a new standard of inflight experience for low fares travel in Australia.

"This means wider seats for customers, larger overhead lockers, in-seat USB charging and in-flight digital streaming technology, which is an Australian first for a low fares airline.

"The A321LR burns significantly less fuel than previous generation aircraft, and advanced weather detection technology will enable our pilots to plot smoother and more fuel-efficient flight paths.

"That translates to a saving of one point two million kilograms of fuel annually - a reduction of almost 4,000 tonnes of emissions or the equivalent of removing 1,500 cars from the road each year.

"The aircraft also has a greater flying range than Jetstar's current A320 fleet, which opens up opportunities to expand our international network across the Asia Pacific region – meaning more low fares to even more destinations."

Delivery of a further eight A321LRs will take place between August 2022 and May 2023, with all 18 aircraft expected to be delivered by mid-2024. A further 20 A321XLR aircraft will arrive between 2024 and 2029, providing an even longer range of narrow body flying.

## Daher resumes its 'Young Eagles' internship program

After two years of interruption due to the pandemic, Daher Aerospace company was happy to resume this year its internship program. Initiated 15 years ago this internship program in partnership with EAA offers again to two American students to live the adventure of their life.



This year, the scholarship recipients were Lauren Meyer, from Murfreesboro, Tennessee, a student in engineering and computer science from the University of Tennessee, and Anthony Garza, from San Antonio, Texas, Bachelor of Science in Aerospace engineering at Texas A&M, University.

Both worked during five weeks in June and July at Daher's Tarbes facility in France, near the Pyrenees mountains. Lauren Meyer was integrated in the TBM Care team, to elaborate new services for customers, while Anthony Garza was tasked to digitalize the PT6 engine for the design office.

Upon their return they participated during one week at EAA AirVenture Oshkosh 2022 with the Daher team. This internship is all inclusive, lodging and work experience was included.

They also had a tour of Airbus facility in Toulouse.

"This opportunity is a one-of-a-kind experience for the recipients," said Nicolas Chabbert, Senior Vice President of Daher Aircraft Division and CEO of Daher Aircraft Inc. "They spent time with our team in France, gaining expertise in their fields of interest – within our marketing and support departments. We hope the experience will make a difference in their future careers, while also benefitting our company by working with the next-generation of aviation industry decision-makers." He added.

Applications for the 2023 internship will be announced on Daher website <https://www.daher.com/en/candidate/> this winter, and selected applicants will be announced at Sun'N'fun Aerospace Expo in April 2023.

## Air Canada Foundation's 10th Annual Golf Tournament Nets More Than \$1 Million for Children and Youth Health and Well-Being

Foundation also releases 2020-21 two-year impact report outlining initiatives helping Canadians in need during the pandemic. The Air Canada Foundation (the Foundation) hosted its 10th annual charity golf tournament this week and successfully raised \$ 1,087,609 to support charitable organizations dedicated to the



health and well-being of children and youth in Canada. "This is a milestone year for the Air Canada Foundation as we celebrate our 10th anniversary, and the 10th annual golf tournament, our largest fundraiser of the year. During the past decade, collectively we have helped make a difference improving children's health and well-

being. On behalf of all the children and families the Foundation supports, I wish to express our heartfelt gratitude and appreciation to Air Canada's partners and others who joined us for this wonderful event," said Priscille LeBlanc, Chair of the Air Canada Foundation. "The funds raised will allow the Foundation to continue its

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## ETIHAD AIRWAYS BECOMES FIRST AIRLINE TO PARTNER WITH UNIVERSITY OF CAMBRIDGE AVIATION IMPACT ACCELERATOR

UAE's national airline leading the industry in sustainable aviation through academic and industrial synergy

Abu Dhabi, United Arab Emirates – Etihad Airways, the national airline of the UAE, have announced they are the first airline to join the Aviation Impact Accelerator (AIA), an international group of practitioners and academia convened by the University of Cambridge. The airline joins Boeing and Rolls-Royce who also announced their commitment to partner with AIA to accelerate their work towards net zero aviation and provide in-depth technical and policy expertise.

The announcement took place at the Aerospace Global Forum (AGF) on the opening day of Farnborough Airshow. The AGF is a brand-new platform at the Airshow aimed at driving immediate action towards net zero aviation. The AIA launched a new interactive tool aimed at accelerating the transition to net zero aviation, as well as hosting a number of panels and publishing a new report in collaboration with the World Economic Forum (WEF).

In commenting on Etihad's commitment to the AIA, Prof. Rob Miller, Director Whittle Lab, University of Cambridge, said: "Achieving an aviation sector with no climate impact is one of society's greatest challenges and it is only through a true partnership between industry, academia,



and government that we will be able to understand the whole system and accelerate change. I am delighted that Etihad will be joining stage two of the Aviation Impact Accelerator, as the first air carrier partner. Together we will work to drive forward the transition to sustainable aviation."

Tony Douglas, Group Chief Executive Officer, Etihad Aviation Group, said: "We are proud to be partnering with one of the world's leading jet engine research labs to further support the decarbonisation of our industry. Etihad is committed to sustainability and the dedication of its fleet as flying test-beds for research and innovation through the Greenliner and Sustainable50 programmes, and this new collaboration with the University of Cambridge, through the Aviation Impact Accelerator, will allow for more industrial and academic synergy."

Etihad's partnership with the AIA is a result of years of research and development through its own Etihad Sustainability programme. The airline's flagship Greenliner programme, in partnership with Boeing and GE, and its newly launched Sustainable50 programme in partnership with Airbus and Rolls Royce, offer a platform for technical expertise and genuine real time innovation and new technology advancement.

Earlier this year, the airline published the Etihad Airways Sustainability Report, deemed as a benchmark for the industry, demonstrating the potential advancements to be made in sustainable aviation by a wide range of initiatives. Last week, Etihad was named Environmental Airline of the Year 2022 by Airline Ratings, the industry's renowned ratings agency, for its pursuit and commitment towards aviation sustainability.

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mission of helping kids spread their wings." "Representing the heart of our organization, the work and mission of the Air Canada Foundation reminds us all of the role we can all take to help Canadian families in need. Despite a very challenging two years during the pandemic, I am very grateful that together, we continue our long history of support in our communities. Thank you to the generosity of our supporters, donors and employee volunteers involved in this year's fundraising golf tournament which enables the Air Canada Foundation to keep making a difference to children and their families," said Michael Rousseau, President and Chief Executive Officer at Air Canada. Held at the Saint-Raphaël Golf Club in Montreal, the event welcomed nearly 300 guests with the support of 100 sponsors and numerous Air Canada retirees and employee volunteers. A special highlight of this annual tournament is the coveted lemonade stand, manned this year by Air Canada Foundation ambassadors Léa-Jade and Coralie, raising \$10,000. The Foundation also welcomed special guests Gregory Charles, one of Quebec's most talented artists who performed for the Foundation's guests, and three-time Olympic gold medalist in women's hockey, Marie-Philip Poulin. The Air Canada Foundation today also released its most recent impact report, covering efforts and initiatives throughout 2020 and 2021. Despite the challenges presented over the last two years brought on by the pandemic, the Foundation continued to innovate to provide support to Canadians in need, provided opportunities for employees to give back to their communities, and helped to facilitate donations and humanitarian relief during times of crisis. The Air Canada

Foundation is committed to giving back to children and communities through various programs and partnerships. Since 2012 it has: Donated more than \$12 million in grants to Canadian-registered charities focused on the health and well-being of children. Donated more than 11,000 airline tickets to charitable organizations to support fundraising activities or program development. Made possible more than 9,000 flights to make children's dreams come true. About the Air Canada Foundation The Air Canada Foundation, a not-for-profit organization focused on the health and well-being of children and youth, was launched in 2012. It offers both financial and in-kind support to Canadian-registered charities. Core programs include the Hospital Transportation Program, which redistributes Aeroplan points to 15 pediatric hospitals across Canada, enabling sick children to access the medical care they need away from home. The Air Canada Foundation, in collaboration with the airline, also engages directly in fundraising activities, such as the Every Bit Counts program, which encourages Air Canada and Air Canada Rouge customers to donate loose change of all denominations on board flights or through collection containers available in Air Canada Maple Leaf Lounges. The Foundation also offers continued support to major health-related causes that benefit Canadians and is an active participant in international humanitarian relief activity as the need arises. For more information about the Air Canada Foundation, please visit [www.aircanada.com/foundation](http://www.aircanada.com/foundation) or in Air Canada's 2020 Corporate Sustainability report available at [www.aircanada.com/citizensoftheworld](http://www.aircanada.com/citizensoftheworld).



## Air Canada and United Airlines Expand Relationship to Make Transborder Travel Easier, With More Choice

Expanded relationship to bring more flights, improved schedule coordination and shared reward benefits between the MileagePlus and Aeroplan loyalty programs Air Canada and United Airlines today announced a joint business agreement for the Canada-U.S. transborder

market, building on their long-standing alliance, that will give more flight options and better flight schedules to customers traveling between the two countries. Customers will be able to connect to 38 codeshare destinations in the U.S. and eight of the most popular cities in Canada — all

while enjoying the benefits of the carriers' MileagePlus® and Aeroplan loyalty programs. The agreement will also strengthen and grow both carriers' networks and help accelerate their COVID-19 recovery.

"United is a world-class airline and we are pleased to more on pg3



## Hartzell Aerospace Welding Acquires Canadian Welding Company

Expanding Presence in Engine Mounts and Exhaust

Hartzell Aerospace Welding, a Hartzell Aviation company based in Eagan, Minn., has acquired Acorn Welding, located in Edmonton, Alberta, Canada. The announcement was made today at the 2022 EAA AirVenture Oshkosh annual air show.

Key factors in the acquisition included the value of the Acorn Welding leadership and experienced workforce, as well as and the company's strategic location. The international acquisition expands Hartzell Aviation's presence in General Aviation exhaust and engine mounts. Acorn and its more than 50 skilled employees will continue to be led by previous majority owner Don Hrabec, and by his business partner Roy Milton.

Portfolio Fit, PMA Capabilities, Location



"Acorn Welding integrates well with our business and allows us to add exhaust stacks and air boxes to our product lines," said Hartzell Aerospace Welding President Ryan Latham. "The company's proven ability to develop and obtain Parts Manufacturer Approvals (PMAs) will enable us to build out our product portfolio," he added. "Additionally, its location in Western Canada permits us to better serve customers."

Acorn Welding is a Transport Canada Civil Aviation (TCCA) approved

maintenance organization and one of the few EASA-approved welding facilities. It is also a TCCA-approved manufacturer and holds ratings for welding, components, nondestructive testing, and structures, as well as for distribution of aviation parts. Acorn Welding has grown into Canada's largest aircraft exhaust and engine mount company and is the largest radial and vintage aircraft exhaust company in the world.

The 50,000 square foot operation is well positioned to continue to grow as a part of Hartzell Aviation. It offers a line of almost 100 new manufactured products, aircraft exhaust, and engine mounts for over 50 aircraft makes and 270 models, and 750 fabrication fixtures. For additional information on Acorn Welding, go

more on pg 4

## New Hartzell Aviation Formed From Three Storied Brands

Hartzell Propeller, Hartzell Aerospace Welding, Hartzell Engine Tech, Tailwind Technologies Inc., an integral part of investment holdings by brothers James W. Brown III and Joseph W. Brown, has formed Hartzell Aviation, a newly named company with historic roots. The announcement was made at the 2022 EAA AirVenture Oshkosh annual airshow. Hartzell Aviation is a growing family of brands committed to innovation and the continuous improvement of the General Aviation industry. The storied brands of the new Hartzell Aviation include Hartzell Propeller, Hartzell Aerospace Welding and Hartzell Engine Tech. Hartzell Aviation's new website is at [www.HartzellAviation.com](http://www.HartzellAviation.com). "The independent operating companies and products under the Hartzell Aviation banner will carry on a strong and rich tradition, with a history dating back to the Wright Brothers when Orville encouraged his neighbor Robert N. Hartzell to begin

manufacturing airplane propellers," said James W. Brown III. Joseph W. Brown added, "This newly christened organization, with its iconic Hartzell companies and brand names, is guided by the overriding principle of Built on Honor, which reflects our commitment to quality, performance, and support in everything we do." The Hartzell Aviation umbrella brings together an outstanding array of firewall forward products. The creation of Hartzell Aviation reinforces the three organizations' core competencies and their joint pursuit of improving General Aviation.

Hartzell Propeller, Hartzell Aviation's flagship company is Hartzell Propeller, the global leader in advanced technology aircraft propeller design and manufacturing for business, commercial and government customers. The company designs next generation propellers with innovative blended airfoil technology and manufactures them with revolutionary machining centers, robotics, and custom resin transfer molding curing stations. President JJ Frigge heads the company, which is headquartered in Piqua, Ohio. For more information go to <https://hartzellprop.com>. Hartzell Aerospace Welding

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significantly expand our well-established partnership to further enhance the customer journey between Canada and the U.S. by offering more choice, greater convenience and an improved airport experience," said Mark Galardo, Senior Vice President of Network Planning and Revenue Management at Air Canada. "This agreement marks a new phase in our evolving relationship that will speed the recovery from the pandemic and strengthen both carriers. It will also enable us to optimize our hubs and schedules and to broaden our global network connectivity to maintain our leadership in the market."

"With this new agreement, we are further strengthening our long-standing partnership with Air Canada," said Patrick Quayle, Senior Vice President of Global Network Planning and Alliances at United. "As international travel continues to recover, this expanded partnership will provide an enhanced experience for all transborder travel."

Customers who search for flights between the U.S. and Canada on United's or Air Canada's websites and apps will find more flight options scheduled at more convenient times. Codeshare between the two carriers will also be expanded and members of both the MileagePlus and Aeroplan programs will have more accrual and redemption options. In 2019, the U.S.-Canada transborder market was the second largest international passenger air transportation market in the world and the largest international market for both Canada and the U.S., as measured by seats. Air Canada and United already cooperate in the transborder market, according to the terms of their existing U.S. antitrust immunity. Under the joint business agreement, subject to compliance with U.S. and Canadian regulatory and antitrust requirements, the two airlines will now be able to:

Coordinate their networks and schedules, enabling the carriers to offer customers more choice, including more flights throughout the day and more access to each airline's seat inventory.

Enhance codeshare on transborder flights, excluding certain U.S. leisure markets and territories. The carriers anticipate customers will be able to connect to 46 transborder codeshare destinations with more than 400 daily frequencies in 2022 – with opportunities to add more codeshare destinations for domestic routes within Canada and the U.S. Sell seats on each other's transborder flights and share revenue on flights between hub markets (where regulatory authorities and antitrust requirements allow), allowing the carriers to grow their overall capacities.

Align customer policies for greater consistency and enable the seamless provision of onboard products, establish airport co-locations where available and provide extra value to each carriers' frequent flyer programs. Allow the two carriers to work closer together to advance their sustainability objectives.

The implementation of an expanded partnership builds on the existing close cooperation of the two carriers and previously acquired regulatory approvals. United and Air Canada are also founding members of Star Alliance and a transatlantic joint business agreement with the Lufthansa Group. About Air Canada Air Canada is Canada's largest airline, the country's flag carrier and a founding member of Star Alliance, the world's most comprehensive air transportation network celebrating its 25th anniversary in 2022. Air Canada provides scheduled passenger service directly to 51 airports in Canada, 51 in the United States and 86 internationally. It is the only international network carrier in North America to receive a Four-Star ranking from Skytrax,





## Satcom Direct equips first special mission aircraft with Plane Simple® Ku-band terminal.

Satcom Direct, the business aviation solutions provider, has confirmed the first installation of the Satcom Direct Plane Simple® antenna on a special mission aircraft. The Plane Simple Ku-band variant is being installed on a Brazilian-registered Embraer EMB-110 for aircraft operator Fototerra, a company specializing in airborne geographic data capture. This also represents the first Plane Simple Ku-band installation for the Latin American region.



To complete the installation and generate the relevant Supplemental Type Certificates (STCs), SD is collaborating with Pro Aero, a dedicated aviation service and consulting company; and Brazil's largest aeronautical certification company and SD reseller, Jazz Engenharia Aeronáutica. Jazz is completing the installation and liaising with the National Civil Aviation Agency of Brazil (ANAC), to generate the STCs. SD anticipates installation will commence in late August, with redelivery expected towards the end of September 2022, and crew training to follow.

The Plane Simple Ku-band antenna will be located on top of the twin-turboprop's fuselage, in the center of the aircraft to heighten operating efficiencies. "The advanced antenna system will replace current micro-wave technology which Fototerra uses to monitor the maritime coast on behalf of the oil and gas industry. The existing technology requires Fototerra to stay near the coastline to communicate images effectively. Once we've installed the terminal, this limitation will be removed. We are excited to be the first company to undertake this type of installation on behalf of SD. We know it will streamline Fototerra operations and showcase the opportunities for similar aircraft types," says Jazz Sales Director, Felipe Nardi.

The inaugural installation in South America reflects the growing appetite for high-speed broadband services from owners of multiple

aircraft types needing to perform diverse missions. "Our aim with SD Plane Simple is to increase access to consistent, reliable, global connectivity solutions in a simplified format at cost-effective rates. This installation is a perfect example of how by collaborating with like-minded companies Pro Aero and Jazz, we can break into new territory regarding aircraft data transmission," says Managing Director for Satcom Direct Brazil, Ewerton Libanio. "Jazz has completed more than 800 projects and modified more than 1000 aircraft since launch in 2009, and Pro Aero specializes in delivering solutions to aviation stakeholders that improve efficiency and operations. This collective knowledge and extensive experience position them as the perfect partners for us to work with for this, and future projects."

Fototerra plans to harness the full potential of the advanced technology to transmit data-heavy files generated during flight. "Reliable broadband data transmission will improve efficiencies, increase productivity and enhance the services we provide to our customers," adds Guilherme Pinho, CEO of Fototerra. "We have been waiting for this capability for a long time and are enthusiastic about completing missions with the technology in place." With the Plane Simple terminal, powered by the Intelsat FlexExec network, high-resolution images, hyperspectral images, lidar

data, radar data, and infrared, ultraviolet, thermal, and fluorescence techniques will transmit, in real-time, directly to Fototerra servers, customers, and authorities as needed. Fototerra is also optimizing the complete Satcom Direct ecosystem of products and services, as well as benefitting from sourcing its connectivity solutions and support from a single supplier. Designed exclusively for business aviation, the Plane Simple terminal and Intelsat FlexExec network require just two-line replaceable units – the SD Modem Unit and the SD Plane Simple Antenna – to activate data transmission. Libanio anticipates that the Plane Simple antenna series will enhance the customer connectivity experience across the region. "Owners of mid- to large-size cabin aircraft want to emulate the on-the-ground connectivity experience in the air and we are already receiving significant interest. Our special mission customers in the environmental, surveillance and military sectors also see the potential for improved connectivity, and we'll be pleased to highlight all we offer at this year's LABACE."

Satcom Direct will showcase the power of the Plane Simple antenna series during LABACE 2022 – booth 8007 – when it will highlight the Ku-band, Ka-band and L-band variants and capabilities.

Photo caption: Brazil-based Fototerra is first Satcom

Direct Plane Simple Ku-band special mission customer

### About Satcom Direct

Satcom Direct (SD) is founded on a core belief in understanding the value of time and the importance of maximizing it. The company mobilizes the most cutting-edge technologies to enable connection, wherever you might be. SD's proprietary technologies span business aviation, marine, government, and telecommunications sectors, with the singular goal of leading connectivity industry standards.

Harnessing a powerful combination of tools, SD delivers consistent, reliable connectivity across the globe. Proprietary software, hardware, terrestrial infrastructure, cybersecurity solutions and award-winning customer services, create tailored data services for each individual customer mission. The aim is to enhance the passenger experience, improve efficiencies and give back precious time by providing connectivity beyond all expectations.

SD World Headquarters is located in the heart of the Space Coast in Melbourne, Florida, with 14 additional locations in 11 countries including the UK, UAE, Switzerland, Singapore, Australia, and Brazil, plus a hardware development and manufacturing base in Ottawa, Canada. For more information regarding SD, visit [www.satcomdirect.com](http://www.satcomdirect.com), e-mail [sales@satcomdirect.com](mailto:sales@satcomdirect.com), or call U.S. +1.321.777.3000 or UK +44.1252.554.460. [www.satcomdirect.com](http://www.satcomdirect.com)

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to <https://www.acornwelding.com/>.  
Hartzell Aerospace Welding was established as Aerospace Welding Minneapolis (AWI) in 1993. It is a world leader in general aviation aircraft exhaust systems and engine mount repair. Its core competencies include certified welding, precision machining and sheet metal fabrication. For more information go to <https://awi-ami.com>.  
About Hartzell Aerospace Welding  
Hartzell Aerospace Welding, established as Aerospace Welding Minneapolis, is a world leader in general aviation aircraft exhaust systems and engine mount repair. Its core competencies include certified welding, precision machining and sheet metal fabrication. It is a Hartzell Aviation company. Hartzell Aviation is a growing family of brands guided by the overriding principle of Built on Honor, which reflects a commitment to quality, performance, and support. The storied brands of Hartzell Aviation include Hartzell Propeller, Hartzell Aerospace Welding and Hartzell Engine Tech. Hartzell Aviation's website is at [www.HartzellAviation.com](http://www.HartzellAviation.com).

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Hartzell Engine Tech  
Hartzell Engine Tech, previously Hartzell Engine