

Air Canada to Acquire 30 ES-30 Electric Regional Aircraft from Heart Aerospace

Electric-hybrid aircraft advances carrier's 2050 net-zero emission goal

- Battery powered aircraft will have capacity for up to 30 passengers
- Electric 200 km range extends to 400 km with reserve hybrid architecture
- Agreement includes equity investment by Air Canada in Heart Aerospace

Editor's note: A video demonstration of this aircraft is available [here](#).

MONTREAL, Sept. 15, 2022 /CNW Telbec/ - Air Canada today announced a purchase agreement for 30 ES-30 electric-hybrid aircraft under development by Heart Aerospace of Sweden. The revolutionary regional aircraft, expected to enter service in 2028, will generate zero emissions flying on battery power and yield significant operational savings and benefits. Under the agreement, Air Canada has also acquired a US\$5 million equity stake in Heart Aerospace.

"Air Canada has taken a leadership position in the industry to address climate change. The introduction into our fleet of the ES-30 electric regional aircraft from Heart Aerospace will be a step forward to our goal of net zero emissions by 2050," said Michael Rousseau, President and Chief Executive Officer of Air Canada. "Already, Air Canada is supporting the development of new technologies, such as sustainable aviation fuels and carbon capture, to address climate change. We are now reinforcing our commitment by investing in revolutionary electric aircraft technology, both as a customer for the ES-30 and as an equity partner in Heart Aerospace."



The ES-30 will allow Air Canada to serve regional and commuter routes more sustainably, providing low-emission connectivity to local communities over the medium-to-long term. It will be capable of carrying 30 passengers seated three across (in a 2X1 configuration), with a galley and lavatory. Air Canada has placed a purchase order for 30 ES-30.

"Air Canada is a strategically important partner for Heart Aerospace. The company has one of the world's largest networks operated by regional turboprops, and it is also a progressive, future leaning company especially in the green transmission," said Anders Forslund, founder and CEO of Heart Aerospace. "With the ES-30 we can start cutting emissions from air travel well before the end of this decade."

The aircraft will be powered by lithium-ion batteries, and will be quieter, have better operational parameters, be more reliable, and have a smaller environmental footprint than conventional turbo-prop aircraft. It will also be equipped with reserve-hybrid generators that can use sustainable aviation fuel. Fully loaded, the ES-30 is projected to have an all-electric, zero-emission range of 200 km. This can be extended to 400 km with power supplemented by the generators, and up to 800 km if the load is restricted to 25 passengers. Charging time for the aircraft is expected to be 30-to-50 minutes.

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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, which in 2021 gave Air Canada awards for the Best Airline Staff in North America, Best Airline Staff in Canada, Best Business Class Lounge in North America, and an excellence award for managing COVID-19. Through its leading travel loyalty Aeroplan program, Air Canada offers the ability to earn or redeem points on the world's largest airline partner network of 45 airlines, plus through an extensive range of merchandise, hotel and car rental rewards. Its freight division, Air Canada Cargo, provides air freight lift and connectivity to hundreds of destinations across six continents using Air Canada's passenger flights and cargo-only flights with its fleet of Boeing 767-300 freighters. Air Canada has committed to a net zero emissions goal from all global operations by 2050.

About Heart Aerospace

At Heart Aerospace we work at the cutting edge of technology while contributing towards a sustainable future. Heart's mission is to create the world's greenest, most affordable, and most accessible form of transport. This mission is grounded in the outlook that electric air travel will become the new normal for regional flights and can be transformational in addressing the industry's key sustainability challenges.

Our investors include Breakthrough Energy Ventures, EQT Ventures, European Investment Council, Lower Carbon Capital, Mesa Air Group Inc and United Airlines Ventures. Our main offices and final assembly facility will be located at S ave Airport in Gothenburg, Sweden.

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