

GULFSTREAM COMPLETES WORLD' FIRST TRANS-ATLANTIC FLIGHT ON 100% SAF

News / Business aviation



World' first trans-Atlantic flight using 100% sustainable aviation fuel completed by Gulfstream Aerospace! Gulfstream G600 flew from company' headquarters in Savannah and landed 6 hours, 56 minutes later at Farnborough Airport in England. This flight clearly shows the potential for future use of renewable fuels for business aviation and aviation in general. The aircraft was powered by Pratt & Whitney PW815GA engines, both using 100% SAF. The data collected from this endurance flight will help Gulfstream and its key suppliers gauge aircraft compatibility with future low-aromatic renewable fuels, particularly under cold temperatures for extended flight durations.

Gulfstream president, Mark Burns, commented: "Gulfstream is innovating for a sustainable future. One of the keys to reaching business aviation's long-term decarbonization goals is the broad use of SAF in place of fossil-based jet fuel. The completion of this world-class flight helps to advance business aviation's overarching sustainability mission and create positive environmental impacts for future generations. We'd like to thank all our partners for their help in making this milestone flight happen, and for their ongoing partnership in collaborating with the extended SAF community to champion the aviation industry's path to 100% SAF usage."

Anthony Rossi, vice president, Sales & Marketing, Pratt & Whitney Canada, said: "Gulfstream continues to break new ground in the sustainable aviation space, and we applaud them for completing this mission as we work to validate the compatibility of our engines with unblended SAF."

The SAF used on the flight was produced by World Energy and delivered by World Fuel Services. It was comprised of 100% Hydroprocessed Esters and Fatty Acids, which has at least 70% lower lifecycle CO₂ emissions than fossil-based jet fuel, helping to reduce aviation's impact on climate. Additionally, this zero added aromatics fuel has a reduced impact on local air quality and very low sulfur content, which can reduce non-CO₂ environmental impacts.

Other key partners supporting this milestone include Honeywell, Safran and Eaton. Gulfstream was the first business jet original equipment manufacturer to fly on 100% SAF. This flight advances the company's continuing work to lead the industry's sustainability efforts.



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