PRATT & WHITNEY GTF ENGINES ACHIEVE MILESTONE FUEL AND EMISSIONS SAVINGS

News / Manufacturer

Pratt & Whitney is kicking off the New Year with two major milestones for GTF engines. Since entry into service, the industry's only geared propulsion system has saved 1 billion gallons (nearly 4 billion liters) of fuel and 10 million metric tons of carbon emissions. During this time, we've continued to advance the engine for current and future aircraft. In the past year alone, we've improved on the GTF engine's best-in-class fuel efficiency and CO2 emissions for the A320neo family. PW successfully tested the more powerful GTF Advantage engine on 100% sustainable aviation fuel, started engine certification testing and worked with Airbus to begin developmentflight testing on an A320neo aircraft.

PW also announced plans to enhance our distinctive geared fan architecture with hybrid-electric systems and water-enhanced turbine technology through the SWITCH collaboration with Airbus, MTU Aero Engines, Collins Aerospace and GKN Aerospace. This exciting program, coupled with recent FAA CLEEN III and NASA HyTEC awards, demonstrates our commitment to sustainable

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propulsion.

Rick Deurloo, president of Commercial Engines at Pratt & Whitney commented: “We’re the only engine company with a geared fan in commercial service. With the GTF Advantage engine and these key technology development programs, our revolutionary architecture is at the heart of sustainable propulsion today and into the future.”

In 2022, we announced more than 1,100 GTF engine orders and commitments, while more than 1,400 aircraft have now been delivered to 64 operators. To support the growing fleet, we also announced the expansion of the GTF MRO (maintenance, repair and overhaul) network to include Air France Industries KLM Engineering & Maintenance, Iberia Maintenance and SR Technics.

“GTF engines continue to deliver lower operational costs for our customers; new routes and revenue potential for airlines, airports and communities; and big savings in noise and emissions for passengers and our planet,” said Deurloo.

The Pratt & Whitney GTF™ engine is the only geared propulsion system delivering industry-

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leading sustainability benefits and dependable, world-class operating costs. GTF-powered aircraft reduce fuel consumption and CO2 emissions by 16% to 20%, NOx emissions by up to 50% and noise footprint by up to 75%.

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