SHAPING THE FUTURE OF SUSTAINABLE AVIATION IN ASIA PACIFIC - GTF ENGINES

News / Manufacturer

Pratt & Whitney stated that its GTF engines have saved Asia Pacific operators more than 300 million gallons (more than a billion liters) of fuel and avoided more than three million metric tonnes of carbon emissions since entering service in 2016. With 25 airlines in the region operating GTF engines on more than 500 aircraft across three aircraft families (Airbus A320neo family, A220 and Embraer E-2 jets), the engines have flown more than three million engine flight hours and carried more than 200 million passengers to their destinations. The GTF family of engines deliver between 16-20% better fuel efficiency, up to 50% reduced regulated emissions and a 75% smaller noise footprint.

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“GTF engines are delivering exceptional economics and leading the charge toward more sustainable aviation in the Asia Pacific region,” said Rick Deurloo, chief commercial officer at Pratt & Whitney. “We developed the geared architecture for the advantages it would give us and our customers in the long term. We’re just getting started and look forward to continuing to deliver even more value to our customers as we power their growth in the years ahead.” It is estimated that Asia Pacific will require more than 18,000 new aircraft over the next 20 years.

The GTF engine’s revolutionary geared fan architecture is the foundation for Pratt & Whitney’s strategy to deliver more sustainable propulsion technologies to support the industry’s commitment to net zero carbon emissions by 2050. The engine is proving its long runway for growth with the recent introduction of the Pratt & Whitney GTF Advantage™ engine. This configuration will offer Airbus A320neo family operators greater takeoff thrust, even more fuel efficiency and reduced CO2 emissions, delivering even more value to airlines from lower fuel consumption and new route opportunities.

Pratt & Whitney has also been making investments throughout its portfolio of EngineWise® solutions by continuing to expand the GTF MRO network in the region to support the growing fleet. The network has three engine maintenance centers in Asia Pacific today, with five more coming online, including the recently announced shop at Korean Air.

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