

Pratt & Whitney PurePower® Geared Turbofan™ Engine for Mitsubishi Regional Jet Acquires Type Certification

NAGOYA, Japan/ WEST PALM BEACH, Fla., - May 31, 2017 – Mitsubishi Heavy Industries, Ltd. (MHI), Mitsubishi Aircraft Corporation and Pratt & Whitney, a division of United Technologies Corp. (NYSE: UTX), today announced that Pratt & Whitney’s PurePower Geared Turbofan PW1200G engine has successfully acquired type certification from the Federal Aviation Administration (FAA) of United States. This comes on the heels of the fourth Mitsubishi Regional Jet (MRJ) Flight Test Aircraft arriving in the Moses Lake Flight Test Center supporting a busy 2017 of testing and milestones, including completion of initial cold and hot soak and natural icing tests.

The MRJ-70 and MRJ-90 will each be powered by two PW1200G engines. The engine was optimized specifically for the MRJ program, which in turn designed the wing and aerodynamics with the PW1200G in mind. The engines’ advanced technology will contribute to a 10-20% reduction in operating costs compared to the current generation of regional aircraft and 50% lower in regulated emissions, enabling the MRJ to offer best-in-class efficiency and environmental performance.

“The integration of the engine and aircraft design underscores just how critical collaboration is to the success of creating a next-generation regional aircraft and we are very proud to be the first company to have selected this game-changing engine for the MRJ. We congratulate the Pratt & Whitney team on this important milestone,” said Hisakazu Mizutani, president, Mitsubishi Aircraft Corporation. “This achievement is the latest in an ongoing series of developmental milestones and tests that the MRJ has conducted, and we are looking ahead to the next phase of testing on our aircraft.”

“The FAA validation of the PW1200G engine is a milestone for Pratt & Whitney and Mitsubishi Aircraft Corporation,” said Chris Calio, president, Commercial Engines. “The PurePower engine program was launched with Mitsubishi’s faith in us to power their new aircraft and we look forward to

continue collaborating on a successful MRJ program.”

More than 15 critical engine system level certification tests were successfully completed to meet FAA certification requirements. These captured required data for certification including performance, stress, endurance, emissions, acoustics, bird impact, and fan blade containment. The engine has accumulated more than 6,000 hours and 15,000 cycles as part of development, certification and flight testing activities. The engine provides 17,000 pounds of thrust and is currently powering five flight test vehicles.

About Pratt & Whitney

Pratt & Whitney is a world leader in the design, manufacture and service of aircraft engines and auxiliary power units. United Technologies Corp., based in Farmington, Connecticut, provides high-technology systems and services to the building and aerospace industries. To learn more about UTC, visit its website at www.utc.com, or follow the company on Twitter: [@UTC](https://twitter.com/UTC)

About MRJ

Mitsubishi Regional Jet is a family of 70~90-seat next-generation aircraft featuring Pratt & Whitney’s revolutionary PurePower® engine and state-of-the-art aerodynamics to drastically reduce fuel consumption, noise, and emissions, while offering top-class operational benefits and an outstanding cabin designed for heightened passenger flying comfort with large overhead bins. The MRJ completed its first flight on November 11, 2015.