



GE Aerospace, PHI Aviation to Launch Pilot Program for CT7-8 Digital Engine Health Monitoring Tool

HAI HELI-EXPO, Atlanta, 8 March, 2023, – GE and PHI Aviation will be launching a pilot program featuring GE’s new digital engine health monitoring technology for CT7-8 engines, through its industry-leading fleet support team. The objective of the program is to refine and expand the tool, eventually making it available to operators of CT7-8 and other CT7 variants.

The CT7-8 is the exclusive powerplant for Sikorsky’s S-92 helicopter. PHI was the S-92 and CT7-8 launch customer and today operates 34 S-92s. PHI’s missions include flights for offshore energy, onshore mining, marine pilot transfer, air medical, SAR, and technical services.

“PHI and GE have a longstanding partnership, and we’re excited to continue building on that foundation to develop the next generation of digital engine health monitoring technology,” said John Ellyson, Director of Maintenance for PHI Aviation – Americas. “This technology will not only transform how we understand trends and behaviors of engine performance but will also set the stage for the future of proactive maintenance support.”

GE’s digital engine health monitoring tool combines robust engine analytics capabilities with original equipment manufacturer experience to produce actionable insights which keep customers’ aircraft ready for the next mission. The analytics identify proactive maintenance needs, provide customized maintenance recommendations and more, all in pursuit of improved performance, reliability and lower operating costs.

“GE Aerospace is proud to work with PHI to launch this pilot program,” says Elissa Lee, Director of GE Aerospace’s Commercial Turboshaft Engines. “Our goal is to help our customers get the most out of their engines, and this program enhances support of our commercial rotorcraft engine customers. As an OEM, GE carries both engine expertise and proven analytics experience to deliver a tool tailored to our rotorcraft customers’ needs.”

The CT7-8 engine combines advanced, state-of-the-art technology with mission-proven T700 design architecture. Designed for increased durability with commercially proven components, these powerful engines feature Full Authority Digital Electrical Control (FADEC) for better cockpit information and reduced pilot workload. The CT7-8 proudly powers a variety of multi-role aircraft including the S-92, AW101, and NH90.

About GE Aerospace

GE Aerospace is a world-leading provider of jet engines, components and systems for commercial and military aircraft with a global service network to support these offerings. GE Aerospace and its joint ventures have an installed base of more than 40,000 commercial and 26,000 military aircraft engines, and the business is playing a vital role in shaping the future of flight.

About PHI Aviation

Since 1949, PHI has provided safe and reliable helicopter services to customers around the globe. Backed by a fleet of more than 200 helicopters spanning six continents, PHI takes on some of the most challenging assignments in aviation to deliver high-quality support for energy providers, hospitals and air medical organizations, and government and military organizations. For more information, visit phihelico.com.

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