



FOR IMMEDIATE RELEASE:

VerdeGo Aero Announces VH-4T 400kW Turbine Hybrid-Electric Powerplant

DAYTONA BEACH, Fla., July 15, 2024 - VerdeGo Aero is unveiling its VH-4T turbine hybrid-electric powerplant. This 400kW powerplant is designed to address a wide array of applications in high-performance electrified aircraft for commercial and military markets. VerdeGo has leveraged the past seven years of hybrid-electric development, including the experience built through the 185kW VH-3 hybrid powerplant program, to create the VH-4T. Full-scale Iron Bird testing of the VH-4T program began in late 2023, and a flightworthy prototype is the subject of a current US Air Force Small Business Innovation Research Phase II effort for AFWERX.

“VerdeGo Aero is excited to expand its hybrid-electric powerplant portfolio up to the 400kW power level. This revolutionary powerplant enables drones, VTOL, and CTOL electrified aircraft to achieve higher levels of performance and mission capability,” said Eric Bartsch, CEO of VerdeGo Aero.

“We are seeing strong market demand across a variety of new electric aircraft configurations,” said David Eichstedt, VerdeGo’s VP of Product Management. “400 kW seems to be a sweet spot for 5-7 passenger air taxis, eCTOL or eSTOL aircraft that carry up to about 9 passengers, and cargo drones that need to carry over 1000 lb of payload.”

VerdeGo Aero is collaborating with Pratt & Whitney to use the PW206/PW207 engine series in the VH-4T hybrid. As a highly efficient and reliable engine family, the PW200 is well suited for hybrid-electric configurations, with over 17 million hours of operation accrued by more than 6,700 engines produced to date. The VH-4T program continues RTX’s collaboration with VerdeGo Aero, which started through RTX Ventures’ investment in VerdeGo Aero in mid-2022.

“Hybrid-electric propulsion has the potential to enable improvements in performance and fuel efficiency for a wide array of future aircraft applications,” said Scott McElvaine, vice president, Pratt & Whitney Canada. “Our collaboration with VerdeGo is helping to accelerate the application of this technology, which we are also advancing across multiple RTX demonstrator programs.”

VerdeGo Aero’s hybrid-electric powerplant portfolio now includes the 185kW high-efficiency VH-3 and the 400kW high-performance VH-4T, in addition to development programs that are underway for power levels above 1MW. VerdeGo’s hybrid powerplants are tightly integrated systems that include the engine, generator, power electronic, control systems, thermal management, and mechanical integration to create a new type of powerplant for electrified aircraft. VerdeGo’s certification programs based on Part 33 plus special conditions are ongoing with the FAA.

A VH-4T prototype will be on display in the AFWERX booth at the Experimental Aircraft Association AirVenture show in Oshkosh, booth 439, from July 22 to 28. Information about the VH-4T will be available at the VerdeGo Aero chalet, number D020, at the Farnborough International Airshow from July 22 to 26.

ABOUT VERDEGO AERO

VerdeGo Aero™, a frontrunner in the electric aviation industry, is committed to revolutionizing aerospace technologies with cutting-edge propulsion solutions. Since its establishment in 2017, VerdeGo has



consistently led the field, specializing in advanced hybrid-electric propulsion technologies. VerdeGo Aero's hybrid powerplants and collaborative approach with airframers can take years off the development timeline and substantially reduce development cost for high-performance electric aircraft and drones. VerdeGo Aero is based at the Embry-Riddle Aeronautical University Research Park in Daytona Beach, Fla.

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