



PRESS RELEASE
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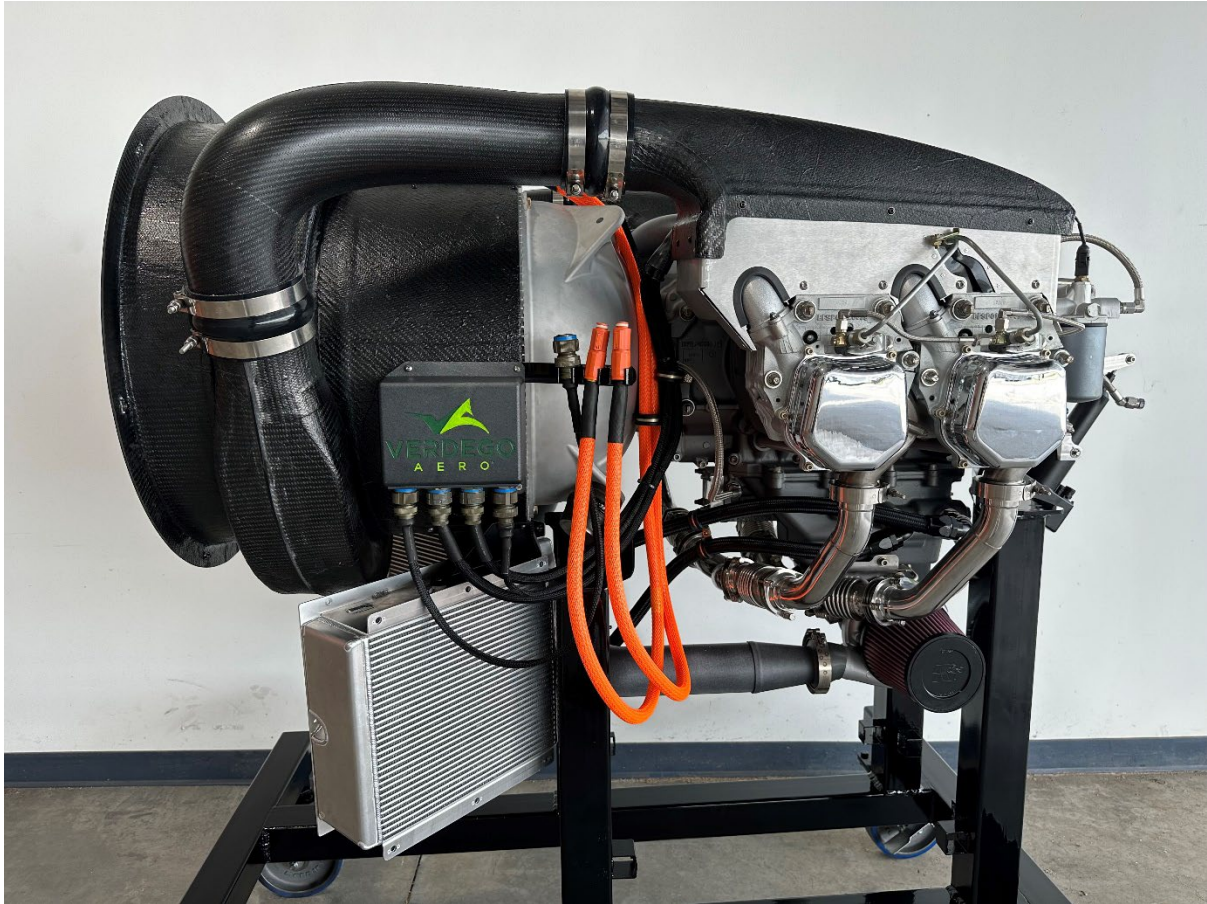
VerdeGo Aero VH-3 Hybrid Electric Aircraft Powerplant on Display at USAF AFWERX Booth at AirVenture 2023

DAYTONA BEACH, Florida – VerdeGo Aero’s VH-3 hybrid-electric powerplant is the result of years of research and development in high-efficiency propulsive electric power generation. The VH-3 is built around a customized diesel-cycle engine, the SMA SR-305-VDG, to result in high power and efficiency, with reduced system weight. Since September 2022, VerdeGo has been performing risk reduction activities on the VH-3 through a Direct to Phase II Small Business Innovation Research contract (SBIR) sponsored by the Air Force Research Laboratory. This risk reduction effort has accelerated the maturity of this revolutionary power system which can be applied in military or civilian applications for a wide variety of airframe configurations.

The VH-3 will be on display in the AFWERX pavilion at AirVenture 2023 from July 24th to July 30th. The VH-3 powerplant will be one of the aerospace technologies featured in Booth #324 at AirVenture.

VerdeGo Aero’s co-founders Dr. Pat Anderson (CTO) and Eric Bartsch (CEO) will also be presenting forums related to hybrid electric flight at AirVenture this year. Mr. Bartsch will be presenting “10 Misconceptions about Electric Flight” on Wednesday July 26th at 1PM on Stage #8. This presentation will provide a glimpse inside the electric flight industry with perspective on how the impact of electrification may be different from what many people assume. Dr. Anderson will be presenting “Graphical Electric Aircraft Viability” on Thursday July 27th at 10AM on Stage #6. This presentation will provide a technical viewpoint on how to assess viable applications for electrification, and how to understand the physics & aerodynamics behind electrification.

VerdeGo Aero’s Director of Advanced Concepts, David Eichstedt, was asked about the significance of the VH-3 being on display at AirVenture. “The display of a VH-3 at the AFWERX booth represents the culmination of years of development and testing of VerdeGo’s high-efficiency diesel hybrids. We are very happy to have had the support of the AFWERX team as we have advanced this capability to enable electric aircraft to utilize liquid fuels for enhanced mission capabilities.”



VH-3-185 Hybrid-Electric Powerplant

ABOUT VERDEGO AERO

VerdeGo Aero™ is a leader in propulsion technologies for the next generation of electric aircraft. Founded in 2017, VerdeGo enables its customers to create more competitive aircraft by leveraging years of expertise in hybrid-electric propulsion and battery-electric aircraft systems. VerdeGo's VH-3 powerplant is being applied in many of the most competitive new aircraft designs for passenger and cargo transportation. VerdeGo's engineering team also collaborates with VTOL, CTOL, and STOL aircraft customers early in their development process to leverage VerdeGo's proprietary analysis tools that accelerate conceptual design by assessing complex tradeoffs between airframe, powerplant, and mission capability. VerdeGo specializes in electric powertrains providing up to 1MW for electric aircraft. VerdeGo is based at the Embry-Riddle Aeronautical University Research Park in Daytona Beach, FL.

www.verdegoaero.com

ABOUT AFRL

The Air Force Research Laboratory (AFRL) is the primary scientific research and development center for the Department of the Air Force. AFRL plays an integral role in leading the discovery, development, and integration of affordable warfighting technologies for our air, space, and cyberspace force. With a workforce of more than 11,000 across nine technology areas and 40 other operations across the globe, AFRL provides a diverse portfolio of science and technology ranging from fundamental to advanced research and technology development. For more information, visit: www.afresearchlab.com.



ABOUT AFWERX

AFWERX, a program office at the Air Force Research Laboratory (AFRL), connects innovators across government, industry and academia. Through innovation and collaboration with our nation's top subject matter experts and harnessing the power of ingenuity of internal talent, by expanding technology, talent, and transition partnerships for rapid and affordable commercial and military capability. Additional information is available at: <https://www.afwerx.com/>.

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