

Jaunt Air Mobility and VerdeGo Aero Collaborate on Hybrid Electric Aircraft

Expanding the Opportunities for Customers to Meet Enhanced Mission Requirements

Dallas, TX, December 16, 2020, Jaunt Air Mobility signs a memorandum of understanding with VerdeGo Aero of Daytona Beach, FL, to explore the development of a hybrid-electric aircraft. The combined technologies of Jaunt Air Mobility and VerdeGo's hybrid powertrain offer customers the opportunity to fulfill a variety of market segments and missions. Jaunt and VerdeGo plan to develop a hybrid-electric version of the Jaunt aircraft utilizing VerdeGo's hybrid-electric diesel (Jet-A) generator system combined with same battery systems being used for the Jaunt Journey. The added energy from the hybrid system will enable significant enhancements to mission capability for passenger, cargo, and military variants.

Jaunt's patented technology offers a proven aerodynamic design of a fixed-wing aircraft with efficient vertical take-off and landing capabilities. VerdeGo's hybrid power system allows for longer missions, faster turnaround operations, and current infrastructure utilization. VerdeGo's hybrid power systems run on globally-available Jet-A fuel, which will reduce fuel consumption and CO2 emissions by 40% when compared to competing turbine products, while providing 4X+ more energy than battery-electric powertrains.

"While confident in the battery-electric Jaunt Journey, for the urban air mobility market, our customers also have different operational mission requirements," says Martin Peryea, CEO of Jaunt Air Mobility. "VerdeGo's system offers a unique bridge to meeting those demands."

According to NASA, Hybrid-electric architectures have shown the potential for significant improvements when applied to fixed-wing aircraft; such improvements include energy consumption, noise, weight, propulsive efficiency, and aero-propulsive interactions, among others. The U.S. Air Force's chief acquisition officer, Will Roper has stated that with the military's goals of flying two to four military personnel 100 miles at speeds above 115 mph, it is likely that these aircraft will be hybrid-electric.

"The additional range enabled with VerdeGo's hybrid system applied in the Jaunt aircraft will enable either longer missions or multiple short back-to-back missions without the requirement for energy infrastructure at every landing site. Rapid turnaround, high utilization, and enhanced mission capability make the hybrid aircraft extremely competitive," says Eric Bartsch, VerdeGo Aero's CEO.

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Jaunt Air Mobility LLC is a transformative aerospace company founded in 2019. We design and build piloted and autonomous eVTOL (electric Vertical Takeoff and Landing) aircraft for urban and regional mobility; addressing multiple markets. The ROSA™ technology combines the performance of an airplane with the vertical take-off and landing efficiency of a helicopter. Jaunt offers the safest, quietest, most, comfortable and operationally efficient aircraft. www.jauntairmobility.com

VerdeGo Aero, founded in 2017, is a leader in propulsion technologies for the next generation of electric aircraft. VerdeGo Aero's diesel (Jet-A) hybrid systems offer the lowest operating cost and largest mission flexibility for next-generation electric aircraft. Efficiently utilizing globally available

Jet-A fuel means no new infrastructure is necessary, and aircraft utilizing VerdeGo's hybrid systems are ready for the biofuel Jet-A substitutes now under development.

<https://www.verdegoaero.com/>

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