



Fly Higher. Fly Longer. Fly Smarter.

Features



High-performance systems designed and built in the United States.



Designed to be lightweight with outstanding power density.



Built for industrial-strength, longevity, and safety.



Superior power-to-weight ratio with highest efficiency in power class.



Products available off the shelf or altered to specific requirements.

THE FUTURE OF ELECTRIC PROPULSION

ePropelled designs and manufactures the world's smartest and most innovative electric propulsion motor systems for manned and unmanned aerial vehicles. We deliver turnkey motor systems that are smaller and lighter but more powerful with lower operating costs.

Our systems enable engine manufacturers to offer a more complete solution to their customers. Resellers and system integrators have the benefit of working with one company for both electric power and electric propulsion systems. Your customers will have the most efficient and innovative products with the best power-to-weight ratio in the commercial segment.

PRODUCTS

We solve the need of UAV designers and manufacturers for improved energy and system-level efficiency with hybrid-ready solutions that ensure longer flight times with lighter components. Our systems help make engines lighter and more efficient while reducing the costs of the overall design.

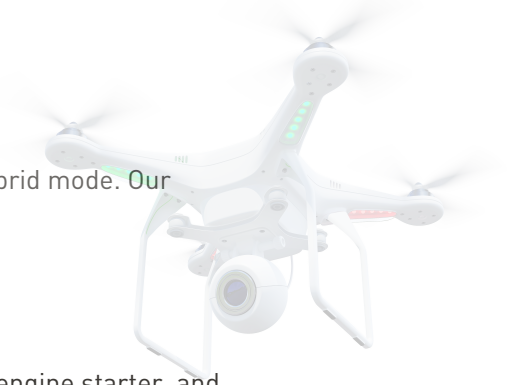
ePropelled offers:

- ▶ power systems that are very light, provide multiple outputs and/or charge the on-board battery,
- ▶ independent electronic engine starters,
- ▶ starter generators that can operate as propulsion engines,
- ▶ a combined electronic engine starter and motor controller,
- ▶ solutions for different voltage profiles and requirements for starter generators and intelligent power systems, and
- ▶ different modes of power systems: solely for producing electricity on board; starting the internal combustion engine and providing power generation; or doing all of the above and using starter generator as propulsion motor to assist during takeoff and landing.

Hybrid Ready™ UAV line

ePropelled is the first vendor to enable the power system to work in hybrid mode. Our Intelligent Hybrid Power Assist Unit (iHPAU™) marries:

- ▶ an internal combustion engine,
- ▶ a combined starter generator and propulsion motor,
- ▶ an intelligent electronic control unit (iECU) with a built-in electronic engine starter, and
- ▶ an intelligent air motor controller (iAMC).



Our starter generators can be changed from power-generation mode to power-assist mode, enabling them to draw power from the battery and use it for propulsion, thereby supplementing the engine.

ADVANTAGES

Our innovations in electric motor development and power electronics are based in material science, expertise in magnetic engineering, and cutting-edge research that aims to disrupt the market. However, we don't focus on only that one area. We're a technology company with an in-depth understanding of electric propulsion systems and a wide approach to innovation and development. This gives us a strong competitive advantage.

All ePropelled products are interconnected—our water pump motors are based on our UAV and EV motor technology, while pumps are also needed for EVs and eVTOLs. It's all linked together by our leading-edge technology that can be applied to all electric motors and generators.

We also enhance our systems with smart software features ranging from diagnostics to artificial-intelligence-based self-learning capabilities. This allows our systems to continually control and monitor their operations, provide real-time updates, and save data to help end users improve machine performance.

ePropelled delivers a range of unique, innovative, synergistic solutions that can be applied in various industries to fulfill manufacturers' needs for higher performance, efficiency, power density, and price, and to help them meet their customers' expectations.

Our products have superior power-to-weight ratio in our markets. They are also smaller, quieter, and leverage ePropelled patented cooling to enhance operating conditions. Most importantly, we have the highest efficiency in our product classes.

Standard products are available off the shelf to simplify build processes, but we can also alter designs according to specific requirements. In most cases, our U.S.-based manufacturing is a major benefit to customers, and our global presence gives us unique capabilities to respond to customer needs, regardless of where they are.

To learn more about reseller and partner opportunities, contact us at info@ePropelled.com or call 1-978-703-1350.



ePropelled designs intelligent motors, motor controllers, generators, and power management systems. Our technology helps reduce energy consumption and improve system efficiency at a lower cost in the aerospace, manned and unmanned aerial vehicles, electric vehicles, and pump markets. We are a leader in magnetics engineering, and our patented technology innovations are used in the air, on the road, and on water, defining the future of electric propulsion.

ePropelled has offices in the United States, Europe, and India and collaborates with manufacturers of all types and sizes around the world. For more information, please visit ePropelled.com