ePROPELLED™
The Future of Electric Propulsion

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.

History

ePropelled was founded in 2018 by serial entrepreneur Nick Grewal. Nick is an experienced technology investor in over forty high-tech companies and has led engineering, business development, and operational teams at companies such as CrossCom, Proteon, Fibronics, and Compugraphics. He was the founder and CEO of Nashoba Networks, which was acquired by Cisco Systems for $100 million. He is an avid automotive enthusiast, races vintage Lotus cars, and successfully completed the Beijing to Paris Motor Challenge in 2019.

Dr. Nabeel Shirazee, joined as CTO when, in 2018, ePropelled acquired Electronica, a magnetics research and design consultancy he founded in 1999. Nabeel has an M.Sc. and a Ph.D. from Cardiff University. He has been involved with various challenging projects, including the design of an actuator motor for a British aerospace company. He also licensed his magnetic levitation technology in France.

Operations

ePropelled has expanded to more than 70 employees, including 7 Ph.D.s, with locations in Lowell, Massachusetts (Headquarters), Cardiff, Wales (Innovation Centre) and Chennai, India (Engineering Center).

ePropelled has filed seven patent families and our patent for the core technology of eDTS has already been granted.

Our Markets and Products

ePropelled is focused on science, innovation, and invention, building on our expertise in material science, system design, and propulsion software. Our extensive technology portfolio is applied to developing better electric motors for a range of applications in propulsion systems for:

- electric vehicles (EVs),
- unmanned aerial vehicles (UAVs), and
- electric vertical takeoff and landing aircraft (eVTOLs).

Our motors can also be used in cooling pumps for propulsion systems, and they have even been adapted as pump motors for pools and spas to deliver the high level of efficiency required in the industry.