

C-Motive Technologies, Inc.

MISSION STATEMENT

C-Motive's mission is to create **electric machines that directly reduce carbon emissions** through empowering higher efficiency renewable generators, enabling the next generation of e-mobility, and delivering more efficient industrial torque motors. C-Motive's unmatched torque, efficiency, and simplicity will create more renewable power and waste less electricity.



PRODUCT PLATFORMS

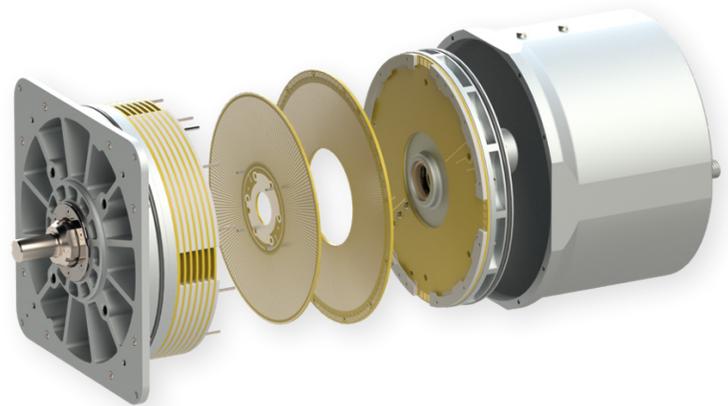
C-Motive's product platforms are designed for **high torque, low speed industrial applications**. The CoolTorq™ Industrial Motor Product line is a flexible platform capable of scaling from 1 kW to 5 kW in power output. Our initial product is based on a 25 cm diameter machine with varying lengths to meet application requirements. C-Motive machines are tailor made to **replace traditional magnetic motors, gearboxes, belts, and pulleys with a simple, direct drive machine that requires no additional cooling**.

TECHNOLOGY

Within C-Motive machines are a set of cascading and alternating rotor (moving) and stator (affixed) plates. By controlling the voltage levels and the speed of the AC wave on the stators, **C-Motive can control the motor torque, power, and speed levels to the needs of the application**. In addition to these mechanical and electrical innovations, the key component is the proprietary liquid that fills C-Motive's machines. The interaction between plates, high voltage, and dielectric liquid is what delivers the highest torque density and efficiency of any machine in the market.

APPLICATIONS

Electrostatic machines offer exceptional value in a wide array of applications both stationary and mobile, ranging from small generators to massive propulsion machines. Any application where motors are sized to deliver torque, **C-Motive offers both performance and efficiency while also enabling an overall simpler system design**. Notable applications include renewable generation, industrial automation, cooling tower fans, electric mobility, heavy hybrid drivetrains, and marine propulsion.



SUPPLY CHAIN SECURITY

All of C-Motive's components can be sourced domestically. Without the need of permanent magnets, our customers are liberated from reliance on international sources for rare earth metals.

SUSTAINABILITY

C-Motive's electrostatic motor contributes to massive amounts of scope 2 carbon savings through higher energy efficiency. By utilizing minimal amounts of copper and no permanent magnets, our machine has the lowest scope 3 embodied carbon of any motor on the market.

CONTACT US

Visit our [products page](#) or [contact us](#) to find out more about gaining early access to this technology.



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