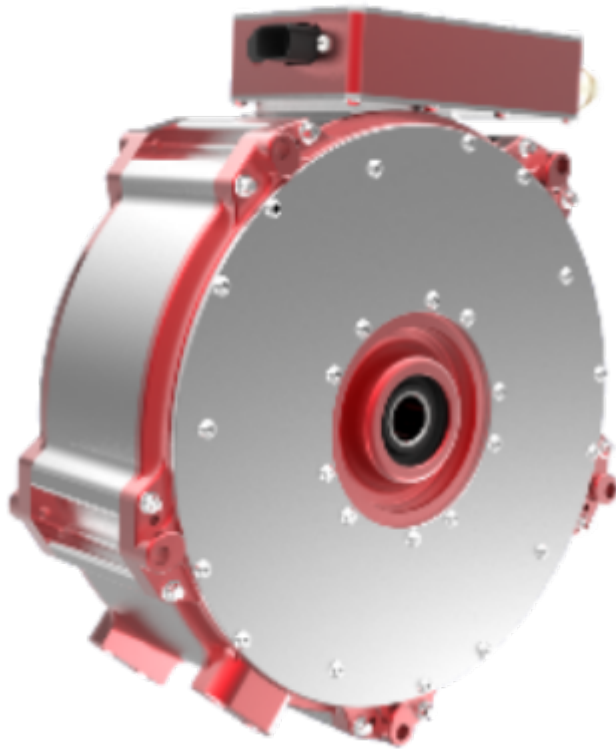


Invest



SYNCHRO-SYM Technologies

– PRODUCT PURCHASE –

– COLLABORATIVE DEVELOPMENT –

Our Mission:

***Innovate For Our Clean, Efficient,
and Sustainable Energy Future!***

BEST ELECTRIC MACHINE (BEM) “HIGHER PURPOSE”

Our Distinctive Value Proposition: SYNCHRO-SYM is the only electric motor system (EMS) with the optimal electromagnetic symmetry of an “active rotor” that stably contributes an additional increment of working power to the electromechanical energy conversion process along with the active stator. All other electric motor systems, including so-called “breakthrough airplane propulsion electric motor systems,” have the non-optimal electromagnetic asymmetry of a “passive rotor” of rare-earth permanent magnets, reluctance saliencies, conventional or superconductor field windings, or slip-induction windings that effectively wastes half of the EMS real-estate, loss, and cost without stably and independently contributing additional “working power” to the electromechanical energy conversion process!! When considering the rotor reasonably consumes half of the total EMS loss, cost, and size with compounding effects of stator, electronic control, etc. included, SYNCHRO-SYM immediately delivers at least twice the power density, half the loss, and half the costs per unit of package power rating of any other EMS and without considering the additional performance enabling as only possible with the 3D Printing method of MOTORPRINTER!!

Unlike the *typical product partnership* with a who's who team of marketeers, which is essential to *creatively promote* their "me-too" *asymmetric electric motor system (A-EMS)* as having better performance than another "me-too" A-EMS, although physics demands similar performance if packaging techniques were equally applied with the same design specification, such voltage, speed at excitation frequency, and air-gap flux density, a *BEM product partnership* is with our lean, prudently committed team with: 1) the *functional expertise* to *candidly promote* our *patented SYNCHRO-SYM* to at least the [\\$100B](#) electric vehicle propulsion motor market with our straight-forward "*Higher Purpose Validation & Commercialization Plan*" and 2) the *ethical resolve* to provide the only superior alternative to the RE-PM EMS, which is *monopolized* by a global adversary seeking world dominance with harmful exploited labor, environmental, geopolitical, and innovation consequences.

Our straight-forward "*Higher Purpose Validation & Commercialization Plan*" will provide our customers with a *re-imagined axial-flux SYNCHRO-SYM* comprising our most advanced packaging and thermal management techniques, as only possible with our patented 3D Printer, called MOTORPRINTER, providing the low cost, scalable, inhouse, just-in-time manufacturing capability.

[OUR "HIGHER PURPOSE" SUMMARY](#)

[OUR COMPETITORS' SUMMARY](#)

BEM “VALUE ADDED”

Today: Only SYNCHRO-SYM “Total System” Power Density reaches over 66 KW/L, Specific Power reaches over 16 KW/Kg, Efficiency reaches over 96%, and Cost is halved per unit of power rating with the same design specification (e.g., 800 volts DC, 4000 RPM, and 1.25T flux density), with the same electric machine package and performance enhancing techniques, with the compounding size, loss, and cost of the electronic controller “extraordinarily” included, and without precious rare-earth permanent magnets or superconductor electromagnets!

Tomorrow: Only SYNCHRO-SYM will continue to effectively double the advertised performance gain with half the cost and amount of material, such as [copper](#), per unit of power rating of any present or future electric machine packaging and performance enhancing techniques available to all electric machine systems, such as the performance and cost of emerging wide-bandgap semiconductor (WBG) switches, by “uniquely” enabling the rotor to be an additional “working power” contributor to the electromechanical energy conversion process along with the universally essential active stator for primary torque and working-power production! When superconductors become a practical reality, the fully electromagnetic SYNCHRO-SYM will be the only electric motor system of choice!

Soon: When fabrication is completed (circa late 2024), MOTORPRINTER will eliminate the typical, highly capitalized, exploited offshored labor, industrial factory for electric motor manufacture while providing inhouse, just-in-time, additive manufacture of any size SYNCHRO-SYM with seamless incremental production scaling, high-capacity thermal management, and convenient power stacking!

**Let us do your electric propulsion
design!**

Meaningful comments always appreciated!

[CONTACT US!](#)