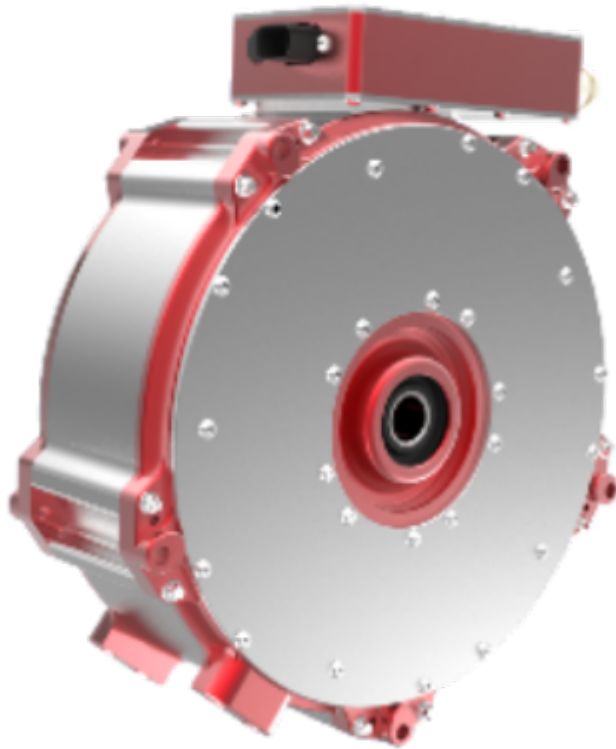


ELECTRIC AIRCRAFT



POTENTIAL FUTURE PRODUCTS **-SYNCHRO-SYM Technologies –**

Our Mission:

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

Make Electric Aircraft Practical As Only Provided With SYNCHRO-SYM Technologies:

In accordance with [a century of classic electric motor and generator study, research, and publication](#) and a regimen of Best Electric Machine (BEM) prototyping and invention, SYNCHRO-SYM provides the theoretical limit in electric motor system performance/price, which should be of interest to any electric aircraft developer. Said differently, SYNCHRO-SYM shows half the cost, half the size, half the electrical loss, and octuple the peak torque potential with the same performance enabling packaging techniques as any other similarly rated electric motor system but without the harmful environmental and geopolitical consequences or delicacies of rare-earth permanent magnets. For instance, two equally power rated, coaxially stacked SYNCHRO-SYMs provide contra-rotating propellers with twice the propulsion power rating as the other electric propulsion motor system at virtually same cost, size, weight, and loss but with redundancy, higher propeller efficiency, and without the issues of a counter-rotating transmission.

For instance, with half the cost, half the size, and half the electrical loss *per unit of continuous power rating* as any other electric propulsion motor system, two equally power rated, coaxially stacked SYNCHRO-SYMs provide contra-rotating propellers with twice the propulsion power rating as the other electric propulsion motor system but with redundancy and higher propeller efficiency at virtually same cost, size,

weight, and loss.

With twice the power density and octuple the peak torque at half the cost and half the loss per unit of electric machine power rating, without RE-PMs, and with the electromagnetic symmetry between primary and secondary ports as provided by the automatic precision control of BRTEC, only SYNCHRO-SYM & SYNCHRO-SYM Technologies allows for the necessary comprehensive enabling control of current, voltage, torque, speed, frequency, and power factor at any speed, including absolute zero and synchronous speed, for practical electric aircraft propulsion.
