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## **IMMEDIATE RELEASE**

### **DELTA WING TECHNOLOGY GROUP RETURNS TO THE 2016 SAE WORLD CONGRESS AND EXHIBITION**

- *Company features innovative, light and powerful 20-, 40-, and 80-hp DeltaWing Technologies DHX Automotive electric motors*
- *Display also includes first DeltaWing Technologies Battery Integrated Compact Efficient Platform (BICEP) circuit board designed for EV and other applications*

Braselton, Ga., April 11, 2016 – The DeltaWing Technology Group Inc. returns to Detroit for the 2016 SAE World Congress and Exhibition with innovative automotive and EV technologies as examples of its disruptive cumulative technologies approach, exhibiting in Booth No. 530 at Cobo Center, April 12-14, 2016.

The disruptive cumulative technologies methodology combines innovative, groundbreaking ideas to reach a new plateau. DeltaWing Technologies is combining state-of-the-art DeltaWing Technologies DHX Automotive electric motors with the equally pioneering lightweight and efficient DeltaWing® vehicle platform to increase EV efficiency and alleviate range anxiety while reducing greenhouse gas emissions.

DeltaWing Technologies DHX Automotive electric motors feature an innovative way to dissipate energy and torque sapping heat in high-torque electric motor windings. Heat typically dissipates through the stator to the frame via air or liquid cooling, but DHX Electric Machines Inc.'s patented technique uses the Direct-Winding Heat Exchanger (DWHX) to remove the heat right at the source. The result: motors up to 75 percent smaller, significantly lighter, cool to the touch, yet as powerful as conventional electric motors. In simple terms, it can deliver the power and torque of the standard sedan's powerplant in the space of a one-gallon can of paint.

The DeltaWing® vehicle platform significantly reduces overall mass and weight. Less weight requires less power, reducing fuel/energy consumption and emissions. The beauty of the design is its flexibility. It can accept electric or hybrid powertrains and small and light high-efficiency gas, diesel and compressed natural gas (CNG) engines. The DeltaWing engineering team is building a DeltaWing® road car prototype and hopes to begin real-world testing this year.

The DeltaWing's efficiencies are race proven through the Panoz DeltaWing Racing coupe, now in its fourth year of road racing, competing with about half the weight and horsepower and less

fuel consumption. Its next 2016 IMSA WeatherTech SportsCar Championship race is the Bubba Burger Sports Car Grand Prix at Long Beach, April 15-16, 2016.

DeltaWing Technologies has the worldwide rights to make, use and sell DHX Automotive electric motors and components in road-going vehicles ranging from scooters and small vehicles designed for congested urban areas to everyday automobiles and delivery vehicles.

### **New BICEP battery circuit board simplifies connectivity, reduces weight**

DeltaWing Technologies will display the first iteration of its newly developed Battery Integrated Compact Efficient Platform (BICEP) circuit board designed for EV and other applications at the 2016 SAE World Congress and Exhibition. This patent-pending circuit board is designed to ease battery pack assembly, eliminate bulky wiring, and reduce weight.

Customizable for most battery applications, it features plug-and-play connections to the Battery Management Systems (BMS) to simplify the structure. Other features include:

- Plugs with optional Thermistor connections with pre-drilled clearance holes for easy Thermistor insertion.
- The capacity to handle 200 amps continuous, 1000 amps intermittently, with a 10<sup>0</sup>C heat rise above ambient temperature when using .093 copper.
- A design that can accept copper thicknesses ranging from .025 to .125 inches (0.635 to 3.175mm).
- The ability to imbed additional custom circuit layers for added functionality.
- A structure enabling batteries to be spaced for airflow or packed tightly to accommodate all anti-expansion clamps.

Queries about DeltaWing Technologies' DHX Automotive electric motors or BICEP circuit board should be sent to [Sales@DeltaWingTech.com](mailto:Sales@DeltaWingTech.com). Please visit [DeltaWingTech.com](http://DeltaWingTech.com) for more information, and follow us on [Facebook](https://www.facebook.com/deltawingtech) and [Twitter](https://twitter.com/deltawingtech).

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