MTC to Reduce UAV Flight Control Failures with Redundant Electrical Rotary Servo Actuator

With its unique technology, the new Actuator also enables maintenance simplicity
MTC Industries and Research Carmiel Ltd. - a leading supplier of electro-mechanical products and services to Aerospace, Defense, and UAV Industries - will introduce its Redundant Electro-Mechanical Rotary Servo Actuator (ERSA) for UAVs at the Singapore Airshow, February 14-19 at the Changi Exhibition Centre, Booth #N51. ERSA's unique fail-safe system significantly reduces the incidence of UAV flight control failures. The company will also showcase a wide range of additional solutions, including gyros and MEMS, electric motors, position sensors, solenoid valves, slip rings, canard fin control actuation systems, fuel control manifolds, and gimbal units.

MTC’s new Redundant Electro-Mechanical Rotary Servo Actuator for UAVs - ERSA - is exceptionally reliable, designed with a built-in fail-safe based on its duplicate flight controls located on its two separate control boards. The back-up control allows the UAV to continue flying in case of component failure - thus protecting these very costly platforms, and saving valuable resources. ERSA's dual DC brushless motors require much less maintenance due to the absence of wear-and-tear prone brushes. Additional features include a 3 gang potentiometer and high efficiency gearbox, as well as optional digital or analog output.

According to MTC's CEO, Mr. Yechiel Cohen, "We are very pleased to introduce this new product. Other servo actuators that have been developed by MTC are deployed within various platforms worldwide. We believe that the new ERSA will also generate a high level of interest among customers due to its redundancy - which will ensure a reduction in the loss rates of costly UAV platforms. We welcome visitors to our booth at the Singapore Airshow - to meet our team, discuss the ERSA, and view our other product lines on display."