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ENERGYOR "PLUG & FLY" FUEL CELL SYSTEMS POWER UAVS FOR UP TO 10 HOURS

Montreal, Canada: EnergyOr Technologies Inc., a leading developer of proton exchange membrane (PEM) fuel cell systems, recently unveiled its latest generation of advanced fuel cell system technology for long endurance Unmanned Aerial Vehicle (UAV) applications.

The EPOD Series of UAV Fuel Cell Systems from EnergyOr – the Latest Innovation in "Plug & Fly"

The **EPOD EO-210-LE** and **EO-210-XLE** are lightweight, rugged UAV propulsion systems designed specifically for extended flight endurance under the most demanding weather conditions. Their performance has been optimized over the last four years based on extensive flight testing in several different UAV platforms, including the EO-360-UAV Demonstrator designed and built by EnergyOr. The **EO-210-LE** and **EO-210-XLE** are fully integrated and include all of the necessary subsystems to provide reliable and efficient "turn-key" UAV propulsion power.

These hybrid UAV power systems were designed to take full advantage of fuel cells for their high energy density and LiPo batteries to provide short bursts of power during take-off, climb and severe weather conditions. The outcome is that UAVs powered by EnergyOr's fuel cell systems have a flight endurance that is two to three times longer than those powered by the best rechargeable batteries (LiPo).

The **EO-210-LE** and **EO-210-XLE** offer a proprietary power management system which includes in-flight battery charging to ensure high power levels are always available, a modular design for optimal UAV integration, low heat and noise signature, exceptional system efficiency, and a system level energy density of over 450 Wh/kg.

EnergyOr has achieved numerous successful flights with operational UAVs from two leading Israeli UAV manufacturers where 5 hours flight endurance was attained using the **EO-210-LE**. The **EO-210-XLE** provides 8 to 10 hour flights for similar sized UAVs.

About EnergyOr

EnergyOr Technologies, incorporated in 2002, was the first and only company to fly a fuel cell powered UAV in Canada (May 2007), and in December 2007, performed the first fuel cell flights ever in Israel. EnergyOr provides **total** system solutions which include hydrogen delivery systems, portable hydrogen filling stations and system integration services.

EnergyOr has also developed an advanced fuel cell Auxiliary Power Unit (APU) to replace the gasoline generator for UAV ground control stations and other electrical needs (computers, mobile phones, etc.).

EnergyOr recently displayed its fuel cell technology at the Association for Unmanned Vehicle Systems International (AUVSI) Exposition in Washington, D.C.

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