

ENERGYOR DEMONSTRATES FIRST FUEL CELL POWERED UAV FLIGHTS IN INDIA

Bangalore, India: EnergyOr Technologies Inc., a leading developer of advanced proton exchange membrane (PEM) fuel cell systems from Montreal, Canada, recently demonstrated what are believed to be the first fuel cell powered unmanned aerial vehicle (UAV) flights in India. This technology demonstration was performed in conjunction with Radiant Coral Digital Technologies (RCDT), an Indian company and subsidiary of Radiant Corporation.

EnergyOr and RCDT also exhibited at the Aero India 2013 Air Show, the 9th International Exhibition on Aerospace, Defence & Civil Aviation, at Air Force Station Yelahanka in Bangalore from 6-10 February 2013. Live demonstrations of EnergyOr's fuel cell system product line were performed, which included the EPOD EO-310-XLE fuel cell system for UAV applications, the EPAC EO-250-APU auxiliary power unit, and the EDAQ data acquisition system.



Pictured above are the Canadian team from EnergyOr, lead by CEO Michel Bitton, and Indian team from RCDT, lead by Chairman Vice Admiral Dilip Deshpande (Retd)

About RCDT

Radiant Coral Digital Technologies is a technology focused engineering company providing products and services in the aerospace and defense domain. RCDT was established in 2006 and has subsequently become a subsidiary of Radiant Corporation in 2011. RCDT is based in Bengaluru (Bangalore), the aerospace hub of India, and consists of highly qualified and experienced defense and industry personnel, along with a talented team of engineers having an exceptional knowledge of simulation, embedded solutions and unmanned systems. Products include autopilots, vehicle tracking systems, IP cameras, computer generated force tools, and electronic chart systems.

About EnergyOr

EnergyOr Technologies (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 ever fuel cell flights in Israel, exceeding 5 hours of flight endurance. In March 2009, EnergyOr integrated the EPOD EO-210-LE fuel cell system into the Bird Eye 650 developed by Israel Aerospace Industries (IAI) and demonstrated successful long endurance flights of similar flight times.

EnergyOr has demonstrated a long endurance flight of more than 10 hours with its fuel cell powered operational UAV, the FAUCON H2. The aircraft, complete with integrated avionics, executed a predetermined flight plan for 10 hours and 4 minutes, then landed autonomously just after sunset on Friday, August 12th, 2011 in Drummondville, Quebec, Canada.

EnergyOr recently developed the EO-310-XLE which is its latest generation of advanced fuel cell system technology. This lightweight and rugged UAV propulsion system is similar to EnergyOr's other EPOD products, the EO-210-LE and EO-210-XLE, but provides 50% additional power with effectively the same size and weight. It has been designed specifically to deliver extended flight endurance at high altitude, high ambient temperatures, and under the most demanding of weather conditions.

EnergyOr offers fuel cell products including the EPOD line of UAV fuel cell systems, the EPAC line of portable auxiliary power units (APUs), the EDAQ fuel cell data acquisition & diagnostic system, and the HPOD hydrogen filling station. EnergyOr provides total system solutions which include hydrogen delivery systems and complete system integration services.

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