

Customer Focus

Date: May-November 2003

Vitals:

Company: RnR Products

Location: Milpitas, CA

Aircraft: UAV developmental airframe

Duration: 8+ hours

Purpose: Multi-purpose endurance UAV



Project: Data acquisition and display of vital engine and payload parameters during an eight hour endurance flight.



RnR Products came to us with the need for monitoring vital payload and airframe parameters of their RPV-3 Aircraft. The specific project entailed keeping tabs on the 100+ Watt payload, engine, and battery parameters during an eight hour autonomous flight.

After selecting the RCATS telemetry unit, several custom software and hardware additions were quickly implemented which fit their desired needs.

The RCATS solution allowed simultaneous monitoring of engine CHT, EGT, RPM, three onboard voltages, two currents, airspeed, and altitude.

Outcome: The RCATS unit proved exceedingly valuable during their eight hour flight on November 16th, 2003. During flight, operators of the aircraft were able to monitor the critical payload and engine parameters to ensure that their desired mission was met. In the end, the mission was successful, the aircraft recovered, and ready for its next challenge.

For details. see the press release here: http://www.rcatsystems.com/press/rcats_120903.pdf

