



Darryl Greenamyre

Lancair Legacy - Race 33

Preface

Racing an airplane 375mph, 50 feet above the ground requires complete focus. It also requires that a pilot manages his systems while navigating the race course. Often times, pilots only get to sneak a peak at their gauges, one or two times a lap. A lot can happen in between. That's why pilots like ex-Lockheed test pilot Darryl Greenamyre understand the importance and competitive advantage of a real-time telemetry system.

Challenge

Darryl came to RCATS with the task of transmitting his engine and aircraft parameters in real-time to the ground. The crew for Race #33 needed to monitor the engine vitals so Darryl could concentrate on flying - and winning.

The crew also requested that the RCATS laptop panel mimic the Direct2Avionics / Chelton screen inside the aircraft- requiring integration with the Lancair's EFIS to make sure the crew would see what Darryl would normally see.

"I am convinced that without your system my speeds & success would have been greatly diminished"

-Darryl Greenamyre

Result

We integrated the RCATS Industrial Telemetry unit with the Chelton Engine monitor and other independent sensors that transmitted 45 parameters in real time. Among these parameters included IAS, GPS, CHT, EGT, RPM, MAP, and numerous other engine parameters.

The result? Darryl's crew was able to monitor engine parameters for any anomalies and ensure the motor was tuned for peak performance.

"Having the engine information sent to the ground, I was able to concentrate on the flying and not worry about the need to monitor the engine" said Darryl.

Oh, yeah, we almost forgot. Darryl turned in his fastest average race speed at 365mph.

