



TamJets

Turbine R/C Aircraft

Preface

Flying high performance R/C jets requires skill and concentration. It also requires an airframe that will sustain the high speeds and g loads being put on it. After several frustrating prototype airframe failures, Tamjets was in search of understanding the loads being put on its airframes and knowing exactly at what point they failed. Their current GPS recording system was not sufficient in providing accurate or live data.

Challenge

Tamjets had a simple need. Measure and document the flights of prototype aircraft. Knowing exactly how hard they stressed the airplane would tell exactly what the aircraft was being put through and where any spots needed reinforcement.

“No more guessing. The RCATS unit verified everything needed to safely redesign our aircraft.”

-Tam Nguyen



Result

We supplied a stock telemetry unit capable of measuring airspeed, g-force, altitude, and temperatures. Tamjets was able to quickly install the unit in an aircraft and collect data.

Flight profiles were flown and documented. Engineers and pilots could go back and see exactly what the aircraft was subjected to and consequently validate a new wing spar design. No more guesswork on how the aircraft performed.

