**PROJECT OBJECTIVE**
The design team was tasked with the development of a standardized procedure for manufacture and analysis of small scale, relatively short wingspan aircraft and its interaction with various system components.

**MISSION STATEMENT**
AIRFRAME A continues the unmanned aerial vehicle family of projects that is intended to create an open source, open architecture platform to hold aerial imaging systems.

**AIRFRAME FEATURES**
- **STUDENT DESIGNED FRAME**
- **COMPOSITE REINFORCED FUSELAGE**
- **8.6% CAMBERED AIRFOIL**
- **10 LBS MAXIMUM TOTAL WEIGHT**
- **900 WATT MOTOR**
- **6.5 LBF THRUST**
- **ONBOARD VIDEO RELAY**
- **P09233 TESTBED**
- **REALTIME TELEMETRY TRANSMISSION**

**AIRFOIL DESIGN AND WING STRUCTURE**

**CROSS-PROJECT COORDINATION**
- Used in testing of P09233 hardware, flight parameter measurements system.
- Coordinated design principles with P09232, Airframe B.
- Incorporated design elements to facilitate future collaboration with P09234, UAV control system.

**CONTROL SWITCH**

**THANK YOU!**