

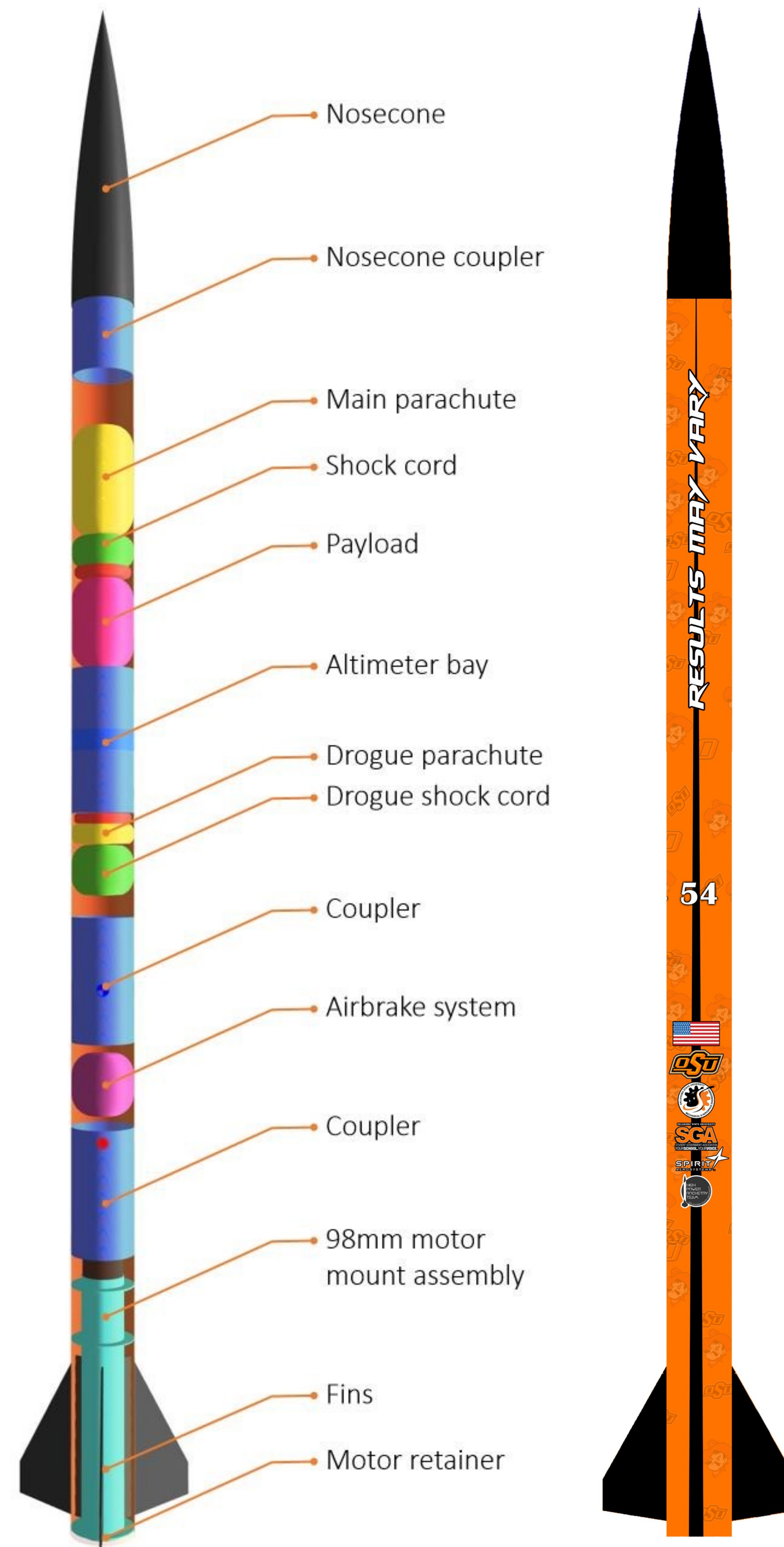


Cowboy Rocketworks - 2018 Spaceport America Cup

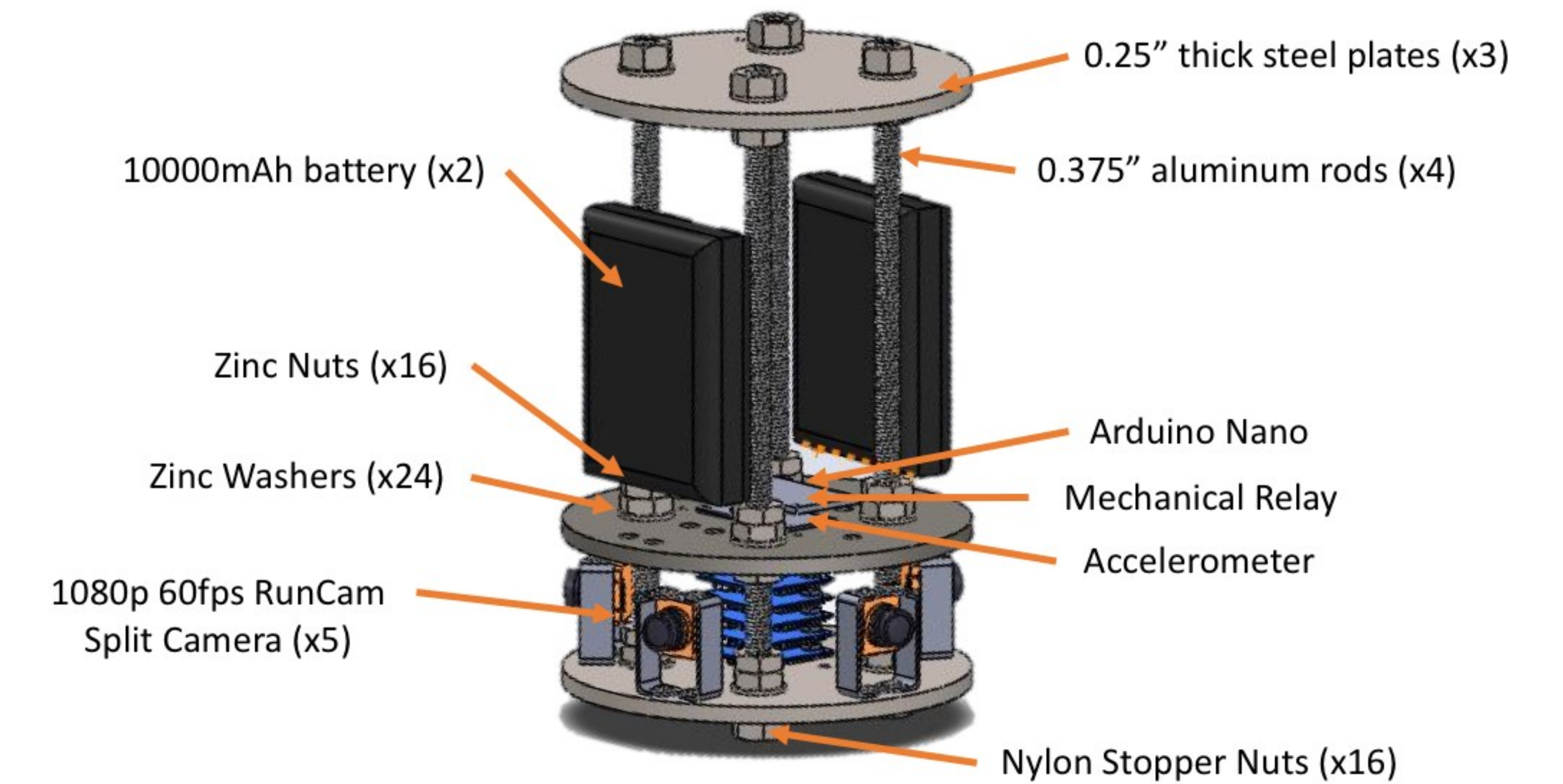
Oklahoma State University, College of Engineering, Architecture and Technology



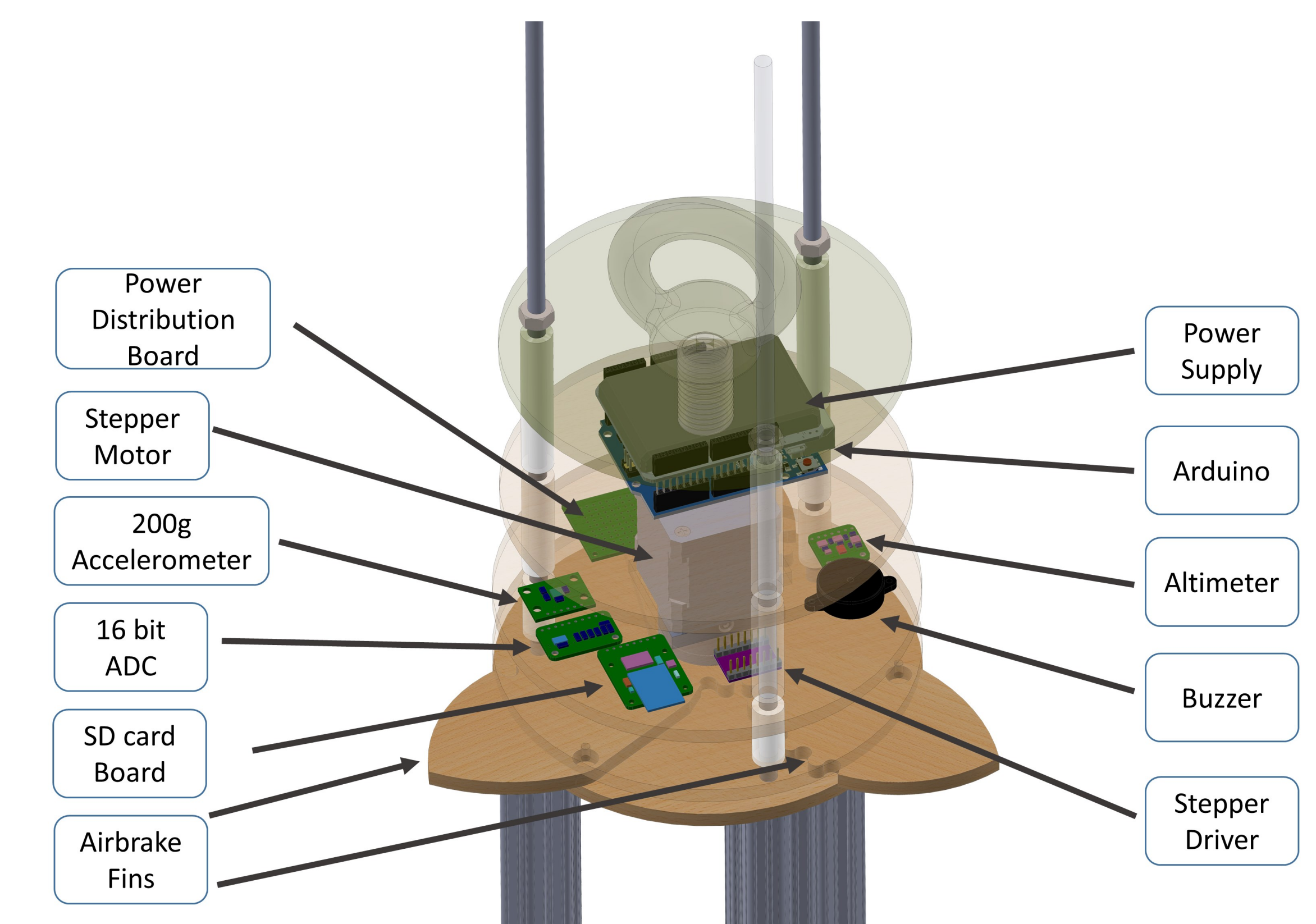
Results May Vary



Payload



Modular Airbrake



The Team: Austin Stottlemyre (Director), Hunter Billen, Jordan Chancellor, Nicolas George, Cole Henderson, Kyle Hickman, Samantha Huckabay, Katelyn Powell, Nicholas Rozell, Timothy Runnels, Garrett Townsend, Lucas Utley, Andrew Walsh, & Garrett Wilkens.

Faculty Advisors: Dr. Andy Arena, Dr. Jamey Jacob

Category: 10k-COTS-All Propulsion Types

Rocket Features:

- SRAD fiberglass airframes & MMT
- SRAD fiberglass fins & centering rings
- Commercial couplers & nosecone
- 360° video cameras payload
- Modular airbrake system

Rocket Specifications:

- Motor: Aerotech M1939W (98mm)
- Total Impulse: 10,481.5 N-s
- Height: 150" (381 cm)
- Diameter: 6" (15.2 cm)
- Weight: 71 lb (32.2 kg)

CONOPS

