

A-55 Vulture

A Special Plane for Special Forces





Team Chad Atlantic



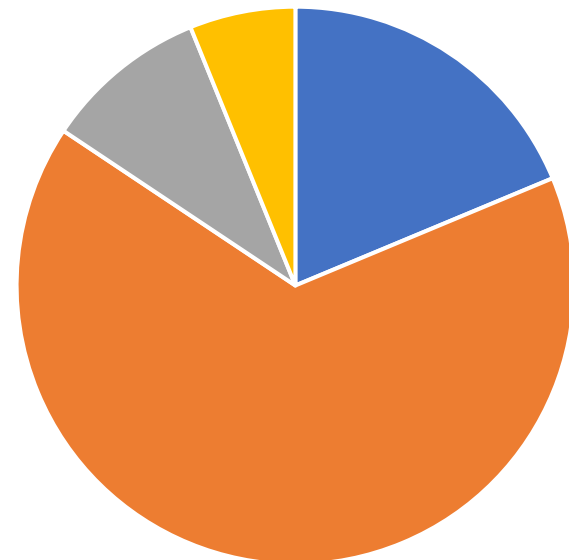
Performance

- Maximum Range (Internal Fuel Supply): 748 [nmi]
- Maximum Range (With External Fuel Tanks): 1447 [nmi]
- Maximum Loiter Time: 5.21 [hr]
- Service Ceiling: 35,000 [ft]
- Maximum speed: 370 [mph]
- Cruise speed: 320 [mph]
- Stall speed: 92 [mph]
- Runway Takeoff Distance: 1,740 [ft]
- Runway Landing Distance: 3,424 [ft]
- Aircraft Weight with Payload: 12,742 [lbs]
- Aircraft Empty Weight: 8,754 [lbs]

Cost Breakdown

Per Unit Cost: ~\$21.7M

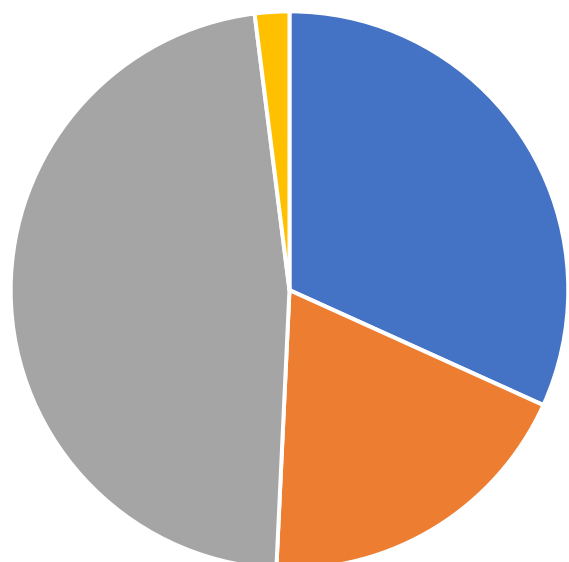
- Manufacturing: ~\$14.2M
- Raw Materials: ~\$4M
- Quality Control: ~\$2M
- Engineering: ~\$1.5M



■ Raw Materials ■ Manufacturing ■ Quality Control ■ Engineering

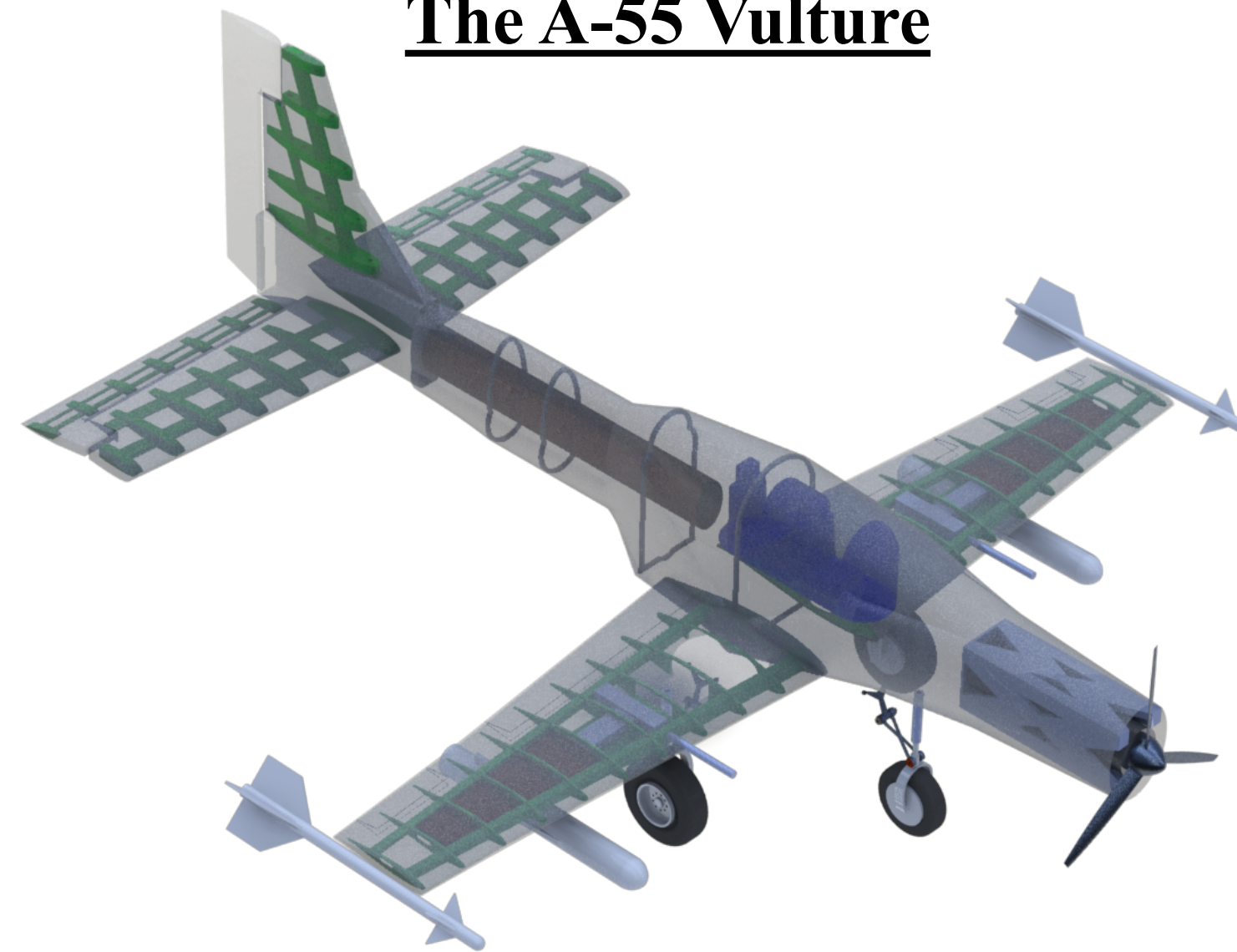
Per Year Operational Costs: ~\$1M

- Fuel: ~\$318K
- Maintenance: ~\$190K
- Crew: ~\$473K
- Insurance: ~\$20K



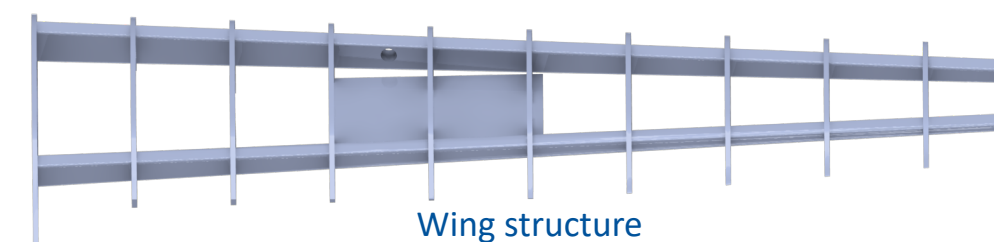
■ Fuel ■ Maintenance ■ Crew ■ Insurance

The A-55 Vulture

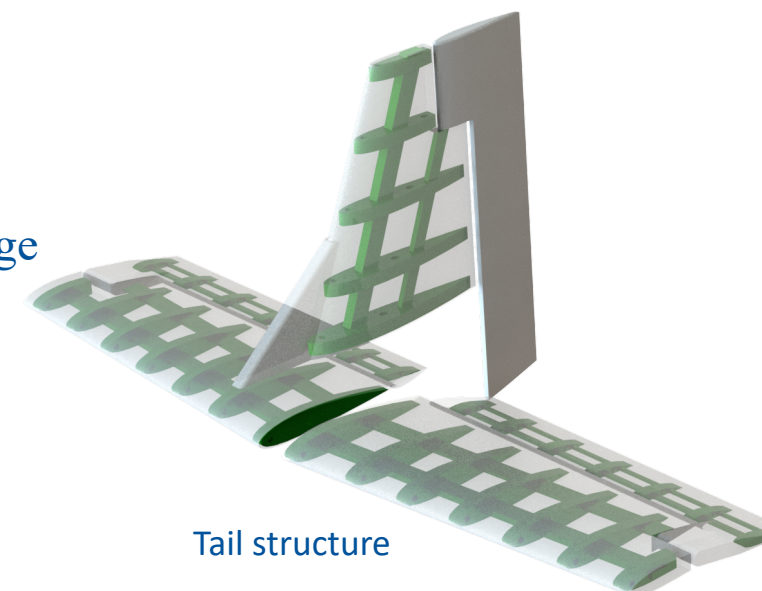


Structures

- Wing Airfoil
 - Root: NACA 63A415
 - Tip: NACA 63A212
- Fuselage: Semi-Monocoque
- Engine: Pratt & Whitney Canada PT6A-68B turboprop 1600 [hp]
- Materials
 - Aluminum: wings, ribs, spars, fuselage frame and stringers
 - Steel: landing gear
 - Titanium: engine housing



Wing structure



Tail structure

Features

- 5 External Hardpoints
- Weapons (Customizable)
 - 2 AGM-65 bombs
 - 2 AIM-9L Sidewinder missiles
 - 2 FN Herstal M3P guns on the wings
 - GIAT M20A1 Heavy Cannon under Fuselage
- Room for 2 crew members (1 crew required)
- Ability to complete lengthy ferry missions or stealth bombing runs
- Deployable Flares and Chaff for deterring IR and RADAR Homing Systems
- Self-Sealing Fuel Bladders
- Additional 600 lb per wing; external fuel tank capabilities

Why Choose the A-55 Vulture?

Versatility

Whether you're conducting a long-range reconnaissance mission or a short-range support and attack operation, the A-55 Vulture will come through for you!

Customization

This aircraft is capable of being kitted out with a variety of armaments and avionics, making it the definitive all-in-one light-attack vehicle.

Affordability

Compared to similar light-attack aircraft, this aircraft costs less to produce per unit, as well as costing less to maintain during its lifespan.

Safety

With its state-of-the-art combat countermeasures, built-in fire suppression systems and failsafe ejection seats, your pilots will live to fight another day!