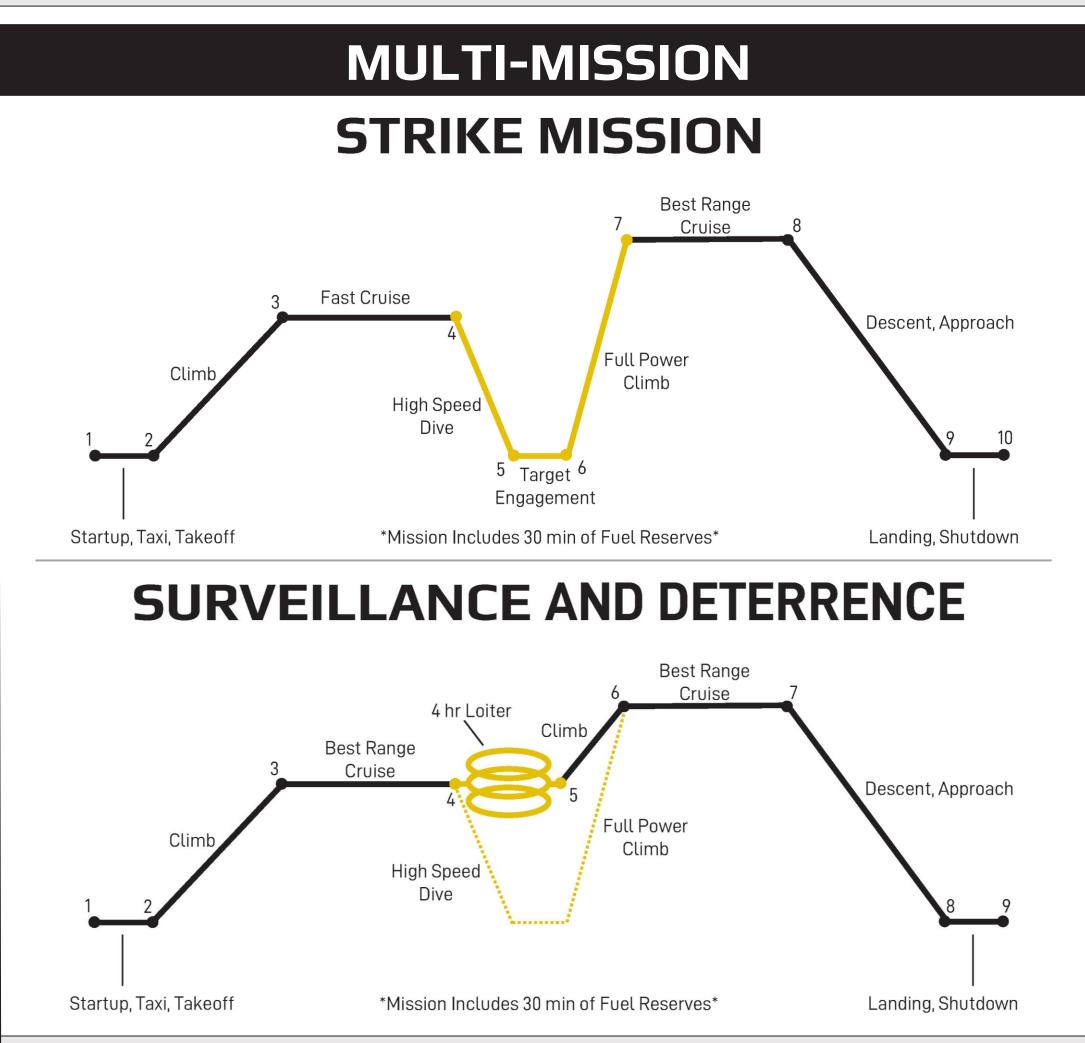


A-30 CONDOR

CAL POLY

Euan Houston, George Harrison, Jack Kisling, Jack Peterson, Luca Flick-Kaiser, Michael Beath, Nico Morrison

Designed for austere environments and high-endurance missions, the A-30 Condor delivers versatile performance for counter-insurgency, close air support, and armed reconnaissance. With 1,500 ft STOL capability, a 300 nm combat radius, 4-hour loiter time, and a 3,500 lb weapons payload, the Condor is built for sustained operations in remote regions. Emphasizing modularity, field maintainability, and low operational cost, the A-30 offers a globally competitive solution tailored to emerging defense markets.



1. Strike Mission:

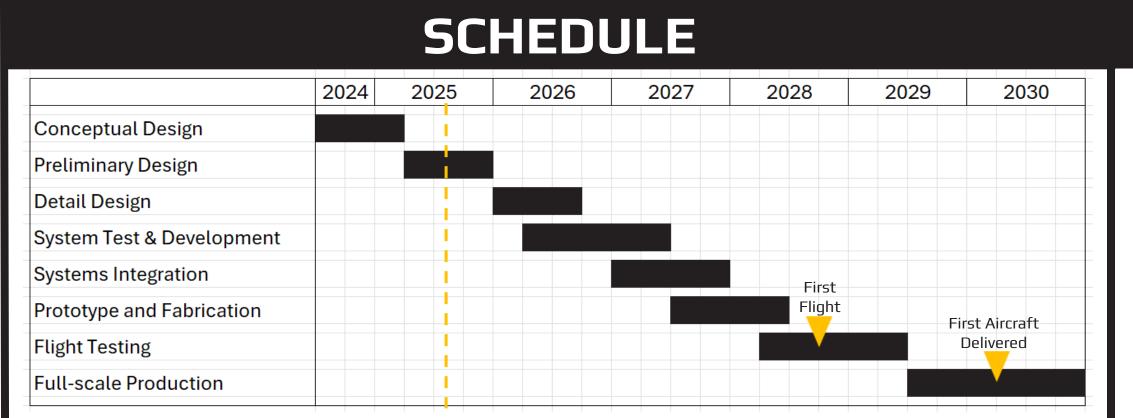
The Condor flies out to the target area at fast cruise speed, carrying full 3,500 lb armament load. Strike delivers fast response times and maximum payload delivery.

2. Surveillance Mission:

The Condor cruises to the area of operations at best-range speed with a reduced payload. With a 4-hour loiter capability, this mission emphasizes surveillance and extended onstation time.

3. Training Missions:

The A-30 Condor's two-seat configuration allows it to double as a trainer aircraft, making it ideal for emerging air forces developing and strengthening their defense capabilities.



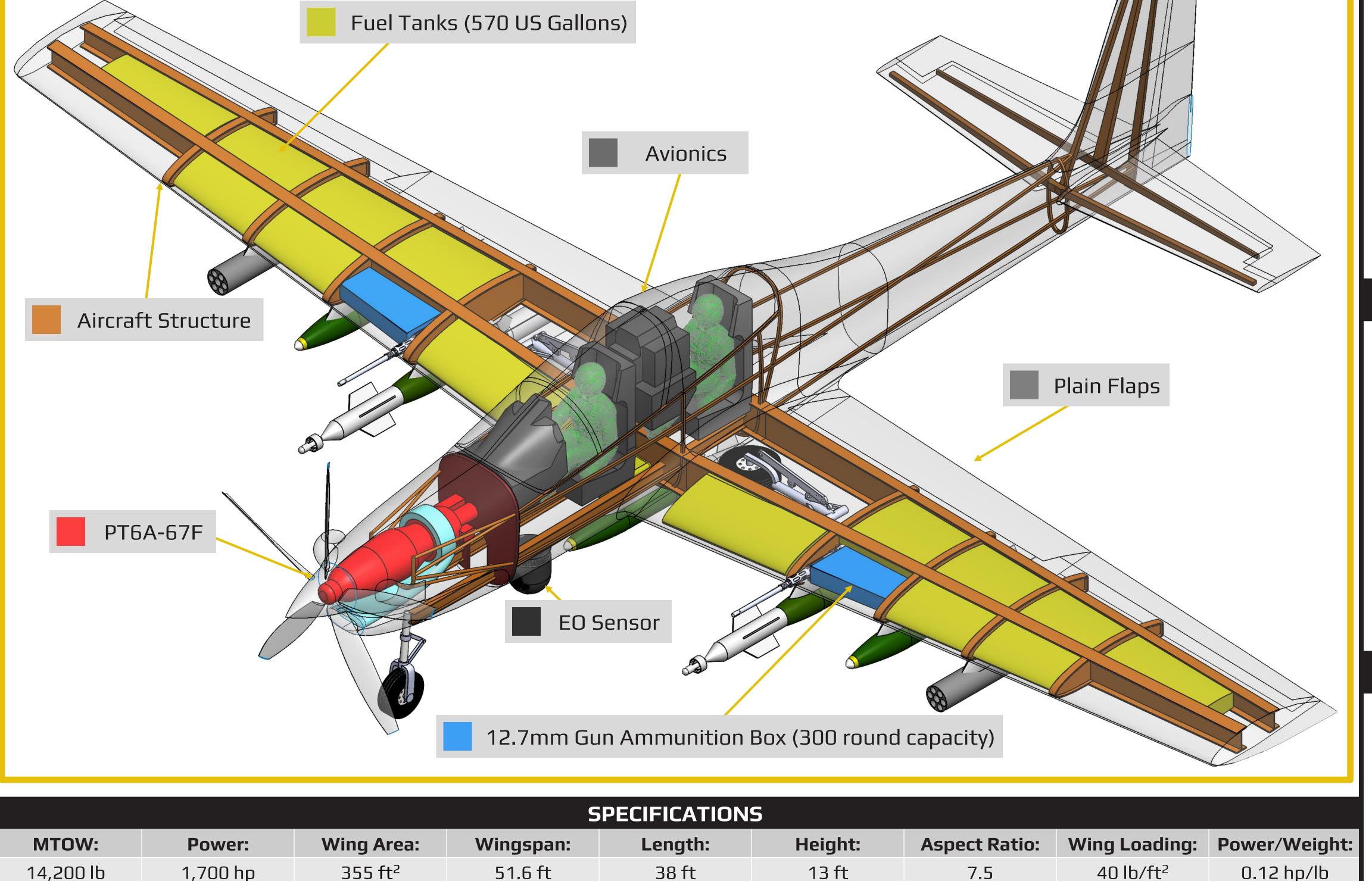
CONFIGURABLE ARMAMENT





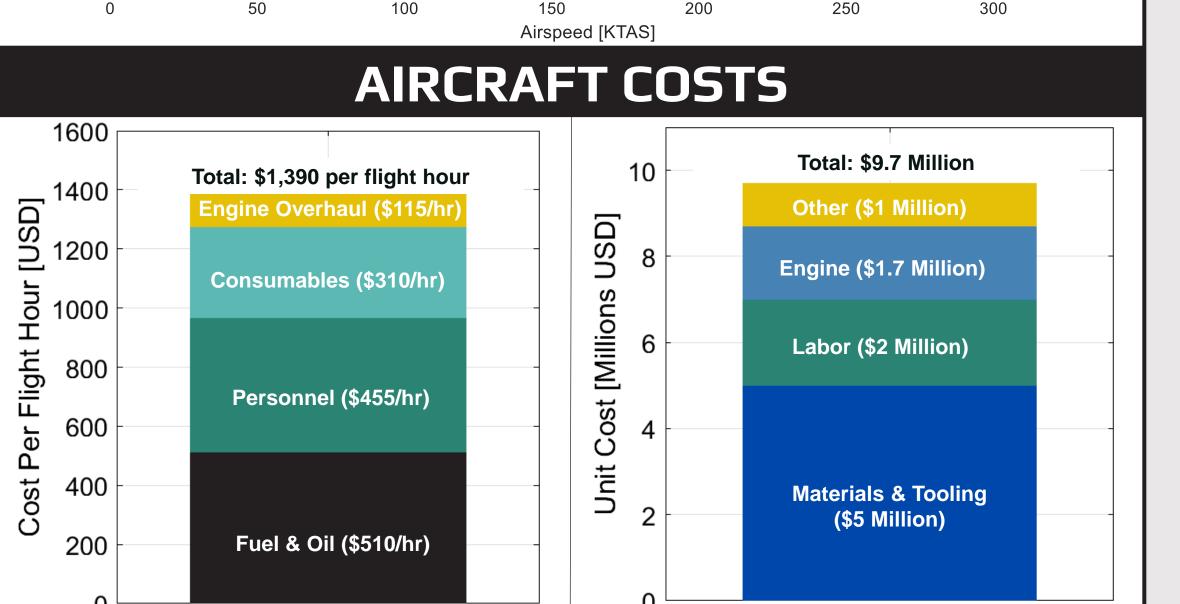






38 ft 1,700 hp 355 ft² 51.6 ft 13 ft 40 lb/ft² 0.12 hp/lb **AVIONICS** Flight Management VHF, UHF, IFF **Comm Encryption** EO/IR Sensor **Stores Management** HOTAS Autopilot System

Armament Weight [lb] 2600 Range [nm] 300 Condor



FLIGHT ENVELOPE

