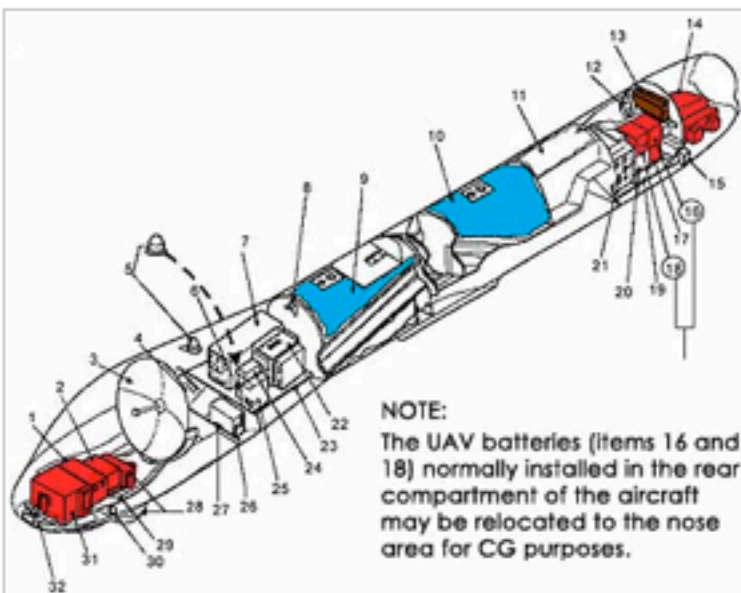


A Look Inside the Predator

As an aircraft, the Predator UAV is little more than a super-fancy remote-controlled plane. But this simple design lends itself well to the Predator's intended functions. Below you can see the placement of components:



NOTE:

The UAV batteries (Items 16 and 18) normally installed in the rear compartment of the aircraft may be relocated to the nose area for CG purposes.

Image courtesy AFCEA

1. Synthetic Aperture Radar (SAR) Antenna
2. Inertial Navigation System/GPS
3. Ku-Band Satellite Communications Antenna
4. Video Cassette Recorder
5. GPS Antennas (Left and Right)
6. APX-100 Identification Friend or Foe Transponder

7. Ku-Band Satellite Communications Sensor Processor Modem Assembly
8. C-Band Upper Omnidirectional Antenna Bracket
9. Forward Fuel Cell Assembly
10. Aft Fuel Cell Assembly
11. Accessory Bay
12. Engine Cooling Fan
13. Oil Cooler/Radiator
14. 914F Engine
15. Tail Servo (Left and Right)
16. Battery Assembly #2
17. Power Supply
18. Battery Assembly #1
19. Aft Equipment Bay Tray
20. Secondary Control Module
21. Synthetic Aperture Radar Processor/AGM-114 Electronics Assembly
22. Primary Control Module
23. Front Bay Avionics Tray
24. ARC-210 Receiver/Transmitter
25. Flight Sensor Unit
26. Video Encoder
27. De-ice Controller
28. Electro-Optical/Infrared Sensor/AN/AAS-52(V)1 Electronics Assembly
29. Front Bay Payload Tray
30. Ice Detector
31. Synthetic Aperture Radar (SAR) Receiver/Transmitter
32. Nose Camera Assembly

In the next sections, we'll see how this unassuming aircraft can use its special features to tilt the balance of combat.