



ODYSSEUS

High-Altitude Ultra Long
Endurance Aircraft

CUSTOMER - COMMERCIAL AND DEFENSE

Odysseus is a solar powered, persistent, high-altitude, autonomous pseudo satellite that can fly in the stratosphere for months on end over fixed locations. The system is capable of providing relocatable, in-atmosphere, low latency, geostationary satellite-like services on demand for communications relay and intelligence gathering

APPLICATIONS

- High-Altitude Pseudo Satellite (HAPS) for both ground-based internet and over the horizon communications
- Capable of ISR missions and denied GPS, Position/Navigation/Timing (PNT) applications
- Scientific platform for long duration geo boundary atmospheric sampling
- Payload configurable for military, commercial and scientific missions

PERFORMANCE

- Carries 140 lbs payload to 60,000 ft and above
- Provides 900 watts maximum or continuous 250 watts of power at customer defined voltages
- Station keeping to 3 km radius at or above 65,000 ft
- Solar powered with lithium-ion battery storage
- Capable of flying year-round between medium latitudes and 6 months of the year at sub-arctic latitudes
- Flies above controlled airspace and weather for persistent operations