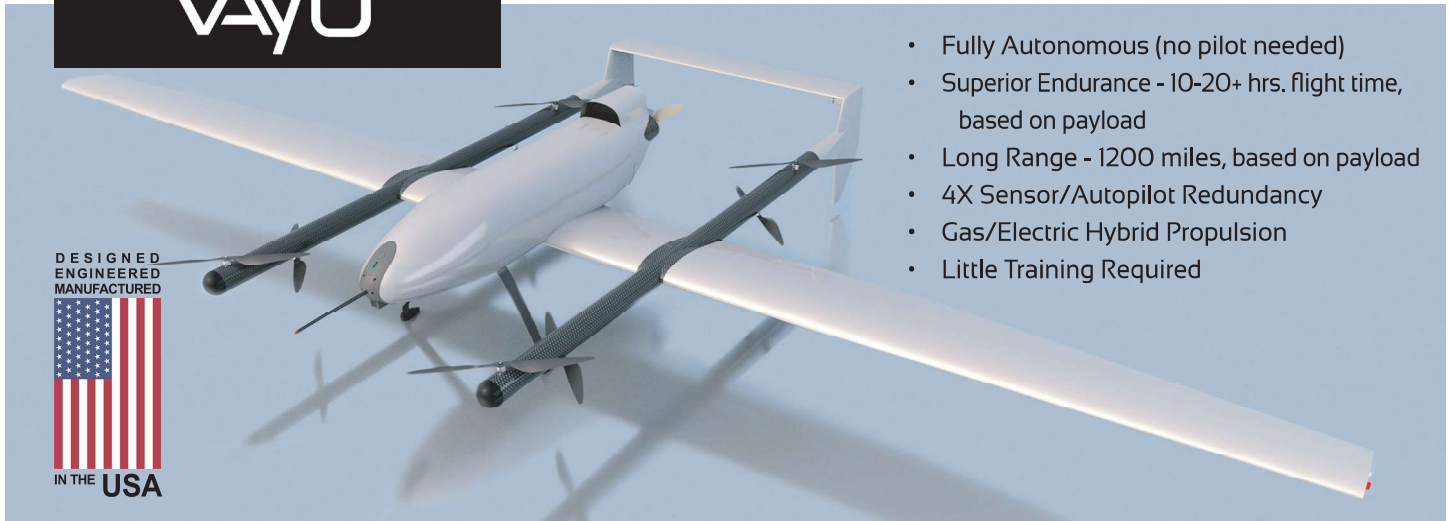




The G-1 MKII

Unmanned Autonomous Aircraft for Wide Range of Functions



DESIGNED
ENGINEERED
MANUFACTURED



- Fully Autonomous (no pilot needed)
- Superior Endurance - 10-20+ hrs. flight time, based on payload
- Long Range - 1200 miles, based on payload
- 4X Sensor/Autopilot Redundancy
- Gas/Electric Hybrid Propulsion
- Little Training Required

The Vayu G-1 platform is an unmanned autonomous VTOL aircraft built to support a wide range of long-distance missions. Our Professional Autopilot 3x is the first drone and eVTOL autopilot including 3x redundancy and compliance with the DO178C and DO254 aviation standards up to DAL-B (DAL-A Ongoing).

The G-1 is configured with eight electric motors for takeoff and landing, with a gasoline engine for forward fixed wing flight. Transition between electric and gasoline engine is seamless.

The G-1 features a fully customizable cargo bay with a payload delivery capacity of 24.2 lbs. With up to 20+ hours of flight time, a pilot can establish advanced control settings and fail-safes specific to mission conditions.

STANDARD SPECIFICATIONS

This data is based on maximum payload of 24 lbs. (11 kg).

| | |
|--------------------------------|--|
| Construction | Carbon Fiber and Fiberglass Composite |
| Range | 1200 Miles / 1931 Kilometers |
| Flight Time | 20 hrs (Fixed-Wing) |
| MAX Speed (Fixed-Wing) | 67 mph (108 kph) |
| Ceiling Altitude | 13,500 ft MSL (4,115m) |
| Max Takeoff Weight | 70 lbs (31.7 kg) |
| Payload Capacity | >24 lbs (>11 kg) |
| Dry Takeoff Weight | 45 lbs (20.5 kg) |
| Overall Dimensions | Span: 12 ft (3.7 m) / Length: 7 ft (2.13 m) |
| Engine Generator Output | 250w (500w intermittent) |
| Engine Fuel Grade | 98 Octane Sunoco ACX 1:50 oil premix |
| VTOL Battery | 13,000mAh lithium-ion solid state batteries 12s /50v |
| Datalink/Telemetry | 2.5GHz, 4G/LTE, and Satcom |
| RC Link | US:915MHz/EU:868MHz |

NOTE: Specifications, data and information are subject to change without notice. Consult factory for any customization requests.

MISSION SETS AND CAPABILITIES

- ISTAR (Intelligence, Surveillance, Target Acquisition, Reconnaissance)
- IVA (Immediate Visual Assessment)
- Battle Space Awareness
- ATAK/WaRTAK Repeater
- Emergency Cell Network
- Close Air Support • Convoy Support
- Perimeter Security • Medical Supply Delivery
- Resupply / Delivery • Post Attack Runway Assessment
- RTK Capable • Search and Rescue
- Offshore Operations
- Ship to Ship Delivery
- Tactical Networks (e.g., DTC, Harris, MPU5, Trellisware)
- BACN (Battlefield Airborne Comm Node)
- Target Acquisition / Kill Chain
- Anti-Poaching
- Wildfire Spotting/Aerial Firefighting

Cage Code: 7DHU8
Unique Entity Identifier: LN7GDGL4FMQ5
DUNS: 079515940

MORE VAYU UAV's



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