



# VAYU G1 TECHNICAL DETAILS

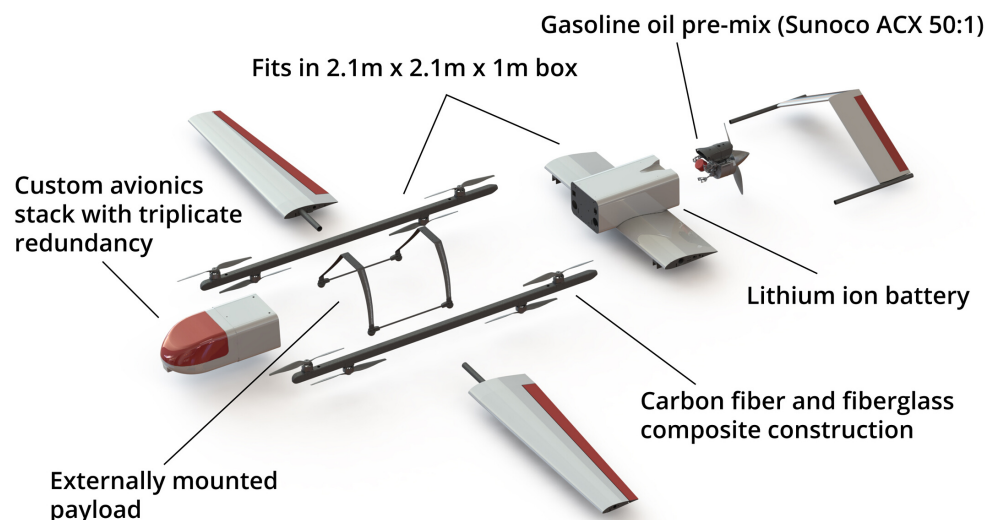
Remote delivery and inspection capability

Vertical take off and landing

Detachable cargo capacity

Fully autonomous from takeoff to landing

<b>Range</b>	800 km (497 mi)
<b>Flight Time</b>	8 hrs (fixed-wing)
<b>Speed (fixed-wing)</b>	26m/s (51 knots)
<b>Speed (max endurance/range)</b>	25 m/s (49knots)
<b>Speed (hover)</b>	2 m/s (4 knots)
<b>Climb Rate</b>	4 m/s (787 ft/min) fixed-wing; 2 m/s (394 ft/min) hover
<b>Ceiling Altitude</b>	4,115 m (13,500 ft) ASL
<b>Operating Temperature</b>	-20 - 60 Degree C
<b>Wind Condition</b>	Up to 20 knots (10 m/s)
<b>Payload Capacity</b>	5 kg (11 lb)
<b>Max Takeoff Weight</b>	31kg (68 lb)
<b>Aircraft Size</b>	Length: 81" (2m); Span 144" (3.65m)
<b>Fixed Wing Propulsion</b>	Single cylinder gasoline engine
<b>Fuel Type</b>	Gasoline oil pre-mix (Sunoco ACX 50:1)
<b>VTOL Power</b>	Lithium ion battery pack (12S)
<b>Construction</b>	Carbon fiber and fiberglass composite



Fast and easy assembly and disassembly for transport