



# Z1 - The Quiet Long Endurance Hydrogen Solution

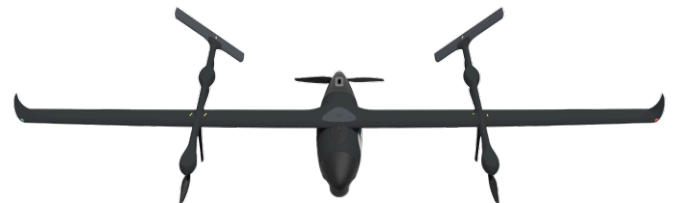
Blue UAS Select Certified – Trusted UAS For DoD Operations

## The Next Generation Of UAV Innovation

The Z1 redefines UAV technology with precision VTOL capabilities, extended endurance, and a modular design.

Whether for ISR, defense, or heavy sensors, it offers unmatched flexibility and operational efficiency.

**Designed to fit within DoD’s secure, fast-to-field acquisition ecosystem.**



<b>Key Features</b>	<b>HYDROGEN-POWERED ENDURANCE</b> Fly up to 10 hours	<b>VTOL PRECISION</b> Take off and land anywhere
<b>PAYLOAD FLEXIBILITY</b> Carry up to 10 lbs (4.5 kg) with ease	<b>MODULAR DESIGN</b> Adapt quickly to changing mission needs	<b>SILENT OPERATIONS</b> Operate with minimal noise and heat signatures

System Specifications		
Payload Capacity	10 lbs (4.5 kg)	
Maximum Takeoff Weight	55 lbs (25 kg)	
Endurance	Up to 10 hours	
Speed	50 kts (26 m/s)	
Assembly Time	Under 5 minutes, no tools required	
Why Fuel Cell?	Hydrogen (Z1 Tank+Fuel Cell)	Battery (Li-ion, 14s11p, ~7kg)
Usable Energy (Wh)	9296	2079
System Mass (kg)	7	7
Endurance (hrs)	10	3.5
Cruise Speed (knots)	40	40
One Way Range (km)	740	260
Loiter at 100km (hr)	7	1



### Key Benefits

<b>PRECISION VTOL</b>	Ideal for confined or remote areas
<b>EXTENDED ENDURANCE</b>	Hydrogen power ensures long missions
<b>TRUSTED FOR DEFENSE MISSIONS</b>	Blue UAS Select Certified platform vetted for secure DoD use

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