



A joint venture between **CYIENT** &  **BlueBird**  
Aero Systems

# The WanderB VTOL Mini UAV

For extended range and  
real-time, versatile ISR missions



## Overview

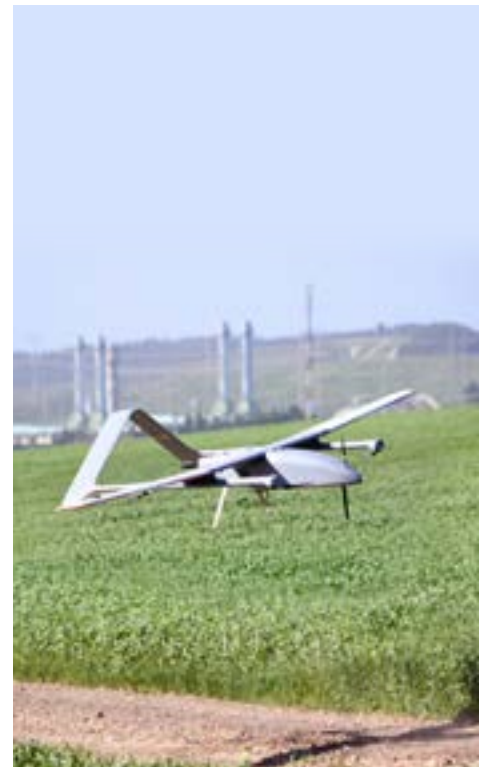
The WanderB Vertical Takeoff and Landing (VTOL) is an electric, mini UAS optimized to facilitate covert, “over-the-hill” operations or extensive, day-and-night intelligence, surveillance, and reconnaissance (ISR) missions in real time. It combines the advantages of fixed-wing UAV including lasting endurance, high operational speed, and the ability to glide in case of an engine failure with its multi-copter attributes that enable smooth and safe takeoff and landing in small areas, to offer an unmatched tactical advantage.

As a fully autonomous UAS, WanderB VTOL can take off, fly, and land in strong winds and harsh weather conditions. The system offers high operational availability of up to 2.5 hours and has a mission range of up to 50 km (extendable up to 80 km). With proprietary ground control system and video-exploitation software, GPS-marked imagery is relayed in real time to the ground station, facilitating superior surveillance.

The WanderB VTOL is an ideal solution for military, peacekeeping, low-intensity conflict resolution, law enforcement, disaster management, and commercial applications.

## WanderB VTOL System Specifications and Highlights

Features	Description
Maximum takeoff weight	12.5 kg
Wing span	310 cm
Length	179 cm
Power plant	Electric brushless motor
Payload capacity	Up to 1.35 kg
Endurance	Up to 2.5 hours*
Optional payloads	EO/IR real-time video payloads: 2- or 3-axis single/dual/triple sensor payloads Photogrammetric payloads: Multiple wavelengths, photogrammetric still images, and related meta-data collection for post-flight orthophoto generation
Control range	Up to 50 km (optionally extended up to 80 km)
Max flight ceiling	22,000 ft ASL



\*Endurance depends on size, weight, altitude ASL, weather, and mission profile

### About Cyient Solutions & Systems

Cyient Solutions & Systems is a joint venture between Cyient and Israel-based BlueBird Aero Systems that provides UAS-based intelligence gathering, surveillance, target acquisition, and reconnaissance capabilities for defence and civilian applications. CSS leverages Cyient’s engineering and manufacturing capabilities and BlueBird’s globally-proven UAS technology to offer a range of solutions, carefully crafted to address the diverse needs of Indian defence, paramilitary, homeland security, and civilian users.

### Contact Us

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