



ALL-ISR, INC

CUSTOMIZED C4ISR INTEGRATION AND CONSULTING SOLUTIONS



Introduces

V-BAT

Innovative VTOL Technology

From



V-BAT

Martin UAV V-BAT was designed for speed and ease of deployment and is the only true Vertical Take-Off and Landing (VTOL) system that safely transitions into a high endurance, fixed-wing aircraft.



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Expeditionary

*“Uniquely suited for adverse environments
– jungle, urban/mega city, mountain,
ship/overwater”*

*“Easy to transport with near-zero
footprint”*



1 Case per V-BAT



1 Case for the Tactical GCS



Time to Buildup: 6 min



Time to Launch: 15-30 min



Speed of Recovery: 10 min



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The safest and perfect solution to meet any task:

Maritime Operations: Near zero footprint, proven user friendly, launch in less than 30 mins, payload agnostic, includes ship's company operational support training, operator's and maintainer's training.

Land Operations: User friendly, cost effective, the safest in its class, training available, sensor agnostic, simple sensor integration, multiple sales packages operator's and maintainer's training.

Commercial Use Land or Sea: Proven 8+ hours endurance, complete and unique VTOL starting capability, agnostic sensor can include topographic package, operator's and maintainer's training.



Features:

Wingspan: 9 ft

Length: 8 ft

Weight: 88 lbs

Propulsion: 182cc 2-cylinder EFI
Remote Start

On board Electrical power: 500
watts

Fuel: Gas-Oil Mix
(JP-4/5/8 coming soon)

ITAR Required Based On Sensor



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Equipment Independence

No Launch & Recovery Equipment

Tactical / Expeditionary

Assemble in less than 10 min

Launch in 15-30 min

Multi-Int Capable

EO/IR, SIGINT, LD, 4G/LTE,

MultiSpectral, AIS

Planned ADS-B, Ku Band, Comm Relay,

ViDAR

Hover and Stare Capable

*Flexible Ops in difficult areas (e.g.
city, trees, canyons)*

Safety

No exposed blades

*Enclosed rotor system offers safe
operating environment, especially in
confined areas*

Sensor Agnostic :

We meet customer's needs.

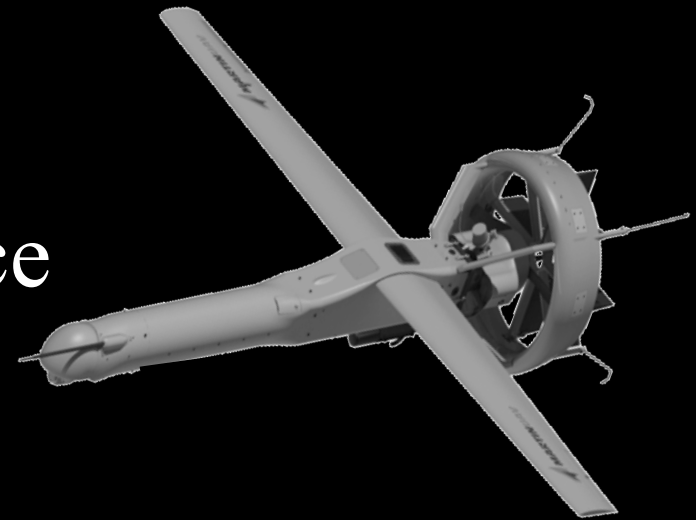


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V-BAT Air Vehicle

Performance



Range: 130 km/ 70 nm

Airspeed: 47 kts. max endurance, 90 kts dash

Payload Weight: 8+ lbs. assembly (on top of max endurance fuel weight)

Wind Limitations: 20 kts + 5 kts gust spread

Build For Safety

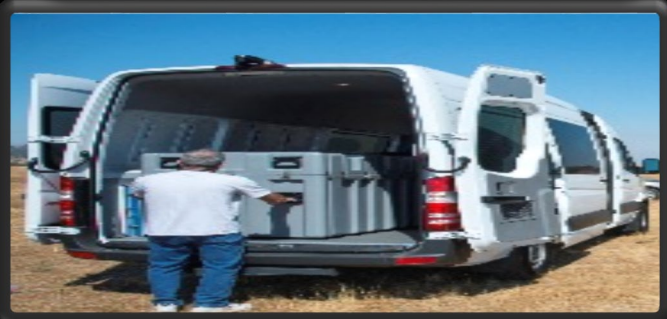
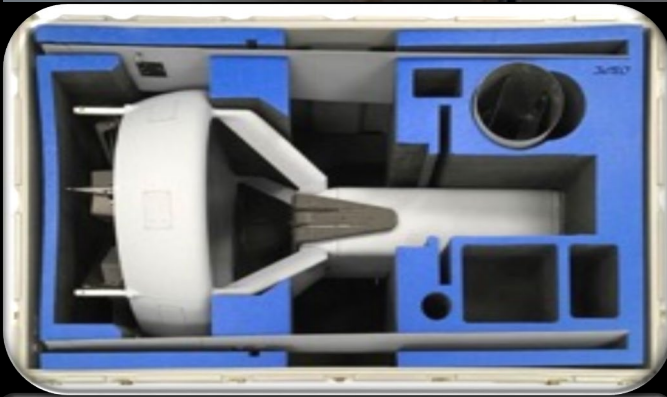
Safety is the most important part of the V-BAT. AN enclosed rotor system in the duct ensures personnel safety, making it the safest drone in its class.



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Low Visibility Transport



- 1xVBAT system – Truck
- 2xVBAT system – Cargo HMMWV
- 4xVBAT system – 463L Pallet
- CH-47F/G Transportable
- Airborne Capable

C2 & Payload Communications



C, L, or S Band
(encrypted)

Payload computer
can be located
where you want.
Connect via Cat 5
cable, USB,
Ethernet, etc)



Connect via Cat
5 Co-axial



Ship to Shore CONOPS



At Sea

- Deploy from ship at sea
- Provide ISR of the objective for up to 8 hours prior to early entry teams
- Refuel on the ship or with early entry team
- Maintain on station orbit from the ship

On the Ground

- Transfer Level 3/4/5 control to recon forces on the ground
- Hand off to forward location with backpack GCS
- Optional land and refuel near the objective or return to ship
- Hover/Stare anytime during the flight as required per the mission or contingencies