



FTUAS

Future Tactical Unmanned Aircraft System

Transformational Capability to Arm Warfighters with Information

The Mission

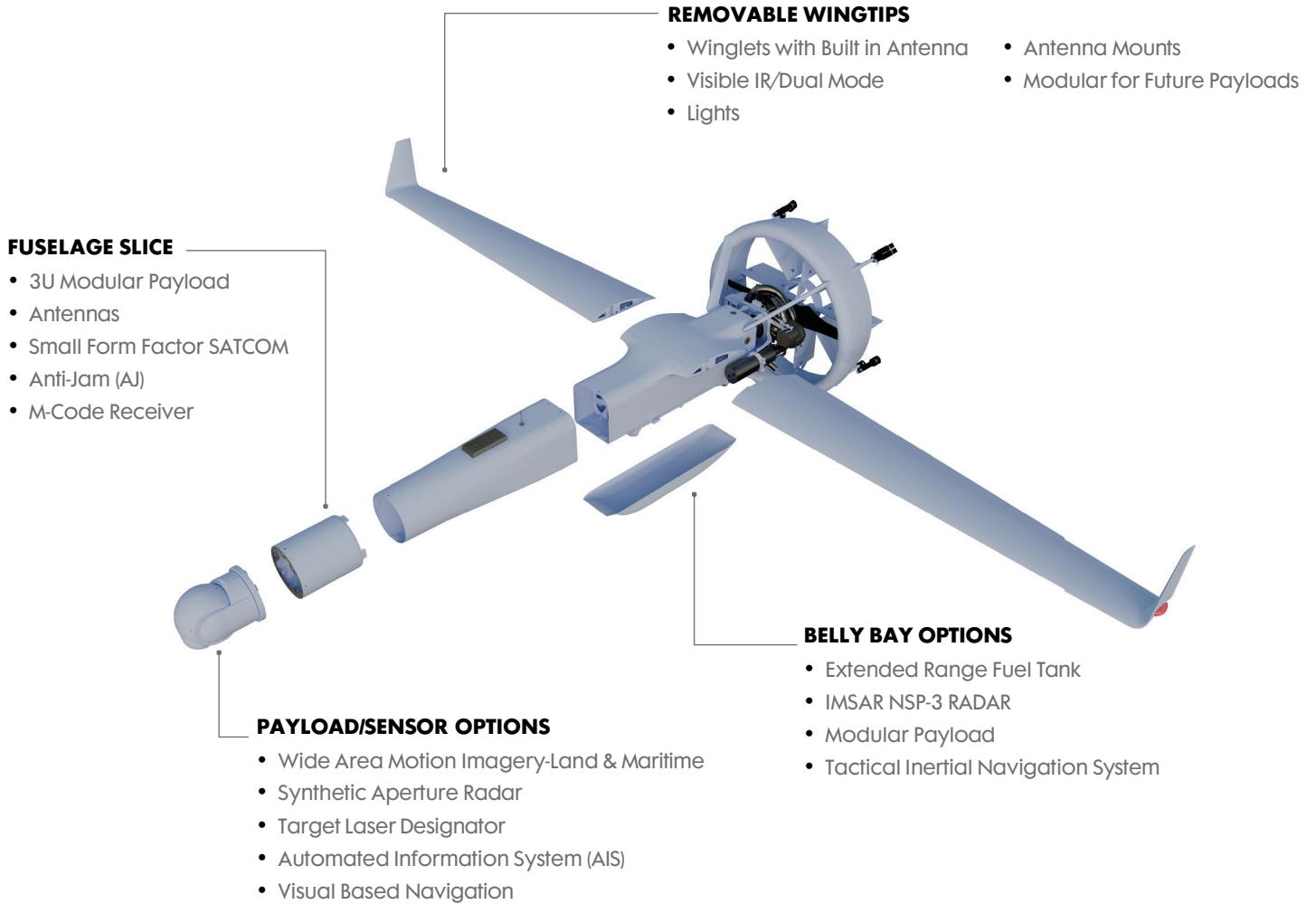
The modern battlespace is inherently dynamic, expansive, and operationally complex. To maintain decisive advantage, warfighters must understand their situation, determine a plan and act. They require a new, highly mobile, flexible and adaptable next-generation overhead reconnaissance capability that provides persistent situational awareness.

Innovation + Experience

Northrop Grumman is teamed with Shield AI, the designer and manufacturer of the innovative V-BAT unmanned aircraft platform, to provide a unique solution to the Army's FTUAS mission requirements. Bringing more than 30 years of experience in the development, production and sustainment of UASs to this mission, our team is delivering a high-performance expeditionary, near-zero footprint, flexible vertical take-off and landing (VTOL) capability that builds on the combat-proven V-BAT.

Our FTUAS V-BAT was designed from the ground up for VTOL operations and integrates Army Scalable Control Interface (SCI) standards. It is the high-performance system required by high-performance Warfighters, and it embodies the Northrop Grumman and Shield AI team's dedication to increasing the situational awareness and effectiveness of brigade combat teams (BCTs) and Special Forces/Ranger Battalions.





The Design

The advanced V-BAT system is lightweight, easy to transport and simple to set up, launch, operate and recover in austere and confined landing zones, as small as 15' x 15' and surrounded by tall obstacles. The V-BAT excels in urban, mountainous, maritime, and dense forest environments. The platform features:

- Increased power
- GPS-denied navigation
- Reduced logistics requirements:
 - Fully assembled under 140 lbs, it is easily transported by two soldiers
 - From shipping crate through to flight in under 20 mins
- Capacity to carry a range of interchangeable payloads, including:
 - Electro-optical/infra-red
 - Synthetic aperture radar
 - Electronic Warfare

Our modular, open system approach (MOSA) architecture design offers long-term adaptability – including the potential integration of weapons systems – ensuring V-BAT's capabilities remain ahead of evolving technology and threats.

FOR MORE INFORMATION, CONTACT:

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