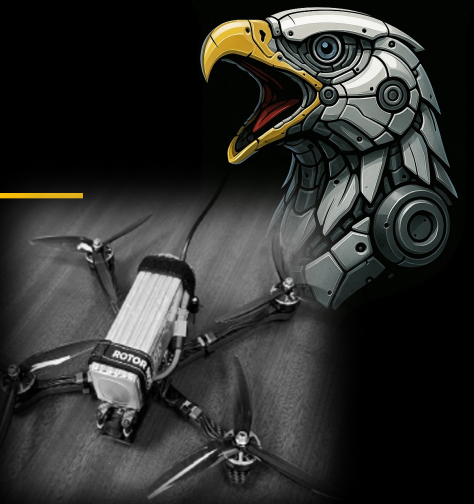


# ABE 1.01

## Attritable Battlefield Enabler

PBAS Breakout | Assembly | Capabilities

*RAID enables the 101<sup>st</sup> Airborne Division (AASLT) to maintain decisive overmatch in Large-Scale Long-Range Air Assault (L2A2) operations by accelerating the integration of next gen robotics, autonomous systems, and artificial intelligence across all warfighting functions. RAID leads innovation by fusing emerging technologies in unmanned systems to enhance lethality, survivability, and agility.*



### ABE 1.01 Breakout



- LIPO 3500 MAH **\$165**
- Triumph Nano **\$41.53**
- Triumph 5.8GHz Ant. **\$51.99**
- Aura VTX **\$69.05**
- Brave F7 FC **\$66.76**
- Brave 55A ESC **\$132.37**
- UMAC 2807 1300KV **\$42.63**
- 101AAD Frame **\$23.42**
- Aura Cam **\$66.76**

### PBAS Assembly

-Assembly facility equipped with sophisticated machinery that enables scaling based on mission demands.  
 -36 PBAS per day with 3-man crew.



### Capabilities



- 5, 7, 10, and 13" frames
- Range: 2-3 km.
- Endurance: 20-48 minutes
- Speed: 90 mph.
- Max Payload: 8lbs. With 7 minutes of endurance
- Price: \$750
- Open Architecture
- U.S. Made with NDAA compliant parts
- M67 Grenade Drop Capable
- Fiber Optic Capable
- Kinetic Strike Capable



# ABE 1.01

## Tranche 1 Instructional Build



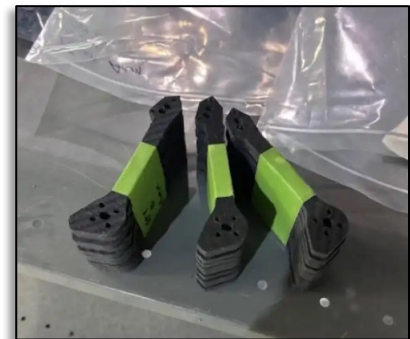
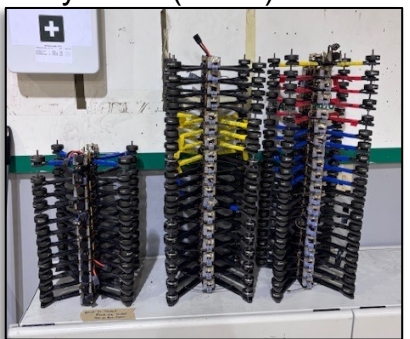
Background | Significance | Key Takeaways

*RAID enables the 101<sup>st</sup> Airborne Division (AASLT) to maintain decisive overmatch in Large-Scale Long-Range Air Assault (L2A2) operations by accelerating the integration of next gen robotics, autonomous systems, and artificial intelligence across all warfighting functions. RAID leads innovation by fusing emerging technologies in unmanned systems to enhance lethality, survivability, and agility.*

## Significance



The organic assembly, tuning, and training initiatives highlights the 101<sup>st</sup> Airborne Division's (AASLT) commitment to empowering Soldiers to independently assemble, maintain, troubleshoot, and innovate; minimizing reliance on external industry support or their quality control inconsistencies. This effort marks a pivotal step in creating a scalable Program of Instruction (POI) that can be replicated across innovation sections within the Division. This model also proves a benchmark for other installations to duplicate large scaling of Small Unmanned Aircraft Systems (sUAS).



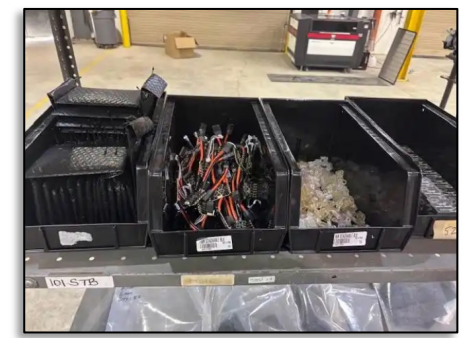
**Who:** RAID, 1<sup>st</sup>. & 3<sup>rd</sup> MB.

**What:** Completed block of instruction on build and tuning of ABE 1.01 to support tranche 1.

**Where:** RAID Facility, Fort Campbell, KY.

**When:** 19 December 2025.

**Why:** Develop POI for future iterations of PBAS builds. Empower Brigades to conduct maintenance, troubleshooting, and tuning of aircraft.



## Key Takeaways



- 50 PBAS built, tuned, and tested in less than a 24-hour period.
- Hands on training that directly correlates to the 101<sup>st</sup> PBAS Operator Academy.
- Scalable POI that can be duplicated across the Division.
- RAID oversight of training to optimize future large scale assembly tranches.
- Aviation maintenance quality control process implemented to increase reliability.
- Hands on training for Soldiers to include soldering, tuning, and basic aviation maintenance practices.
- Cost comparison (50): ABE 1.01- \$37,500 😊, Competitor- \$125,000 😞

