

REUSABLE TRAINING ASSET THAT PAYS  
FOR ITSELF, MISSION AFTER MISSION.

# AY-44Q

ZOMBIE  
[V 1.3]



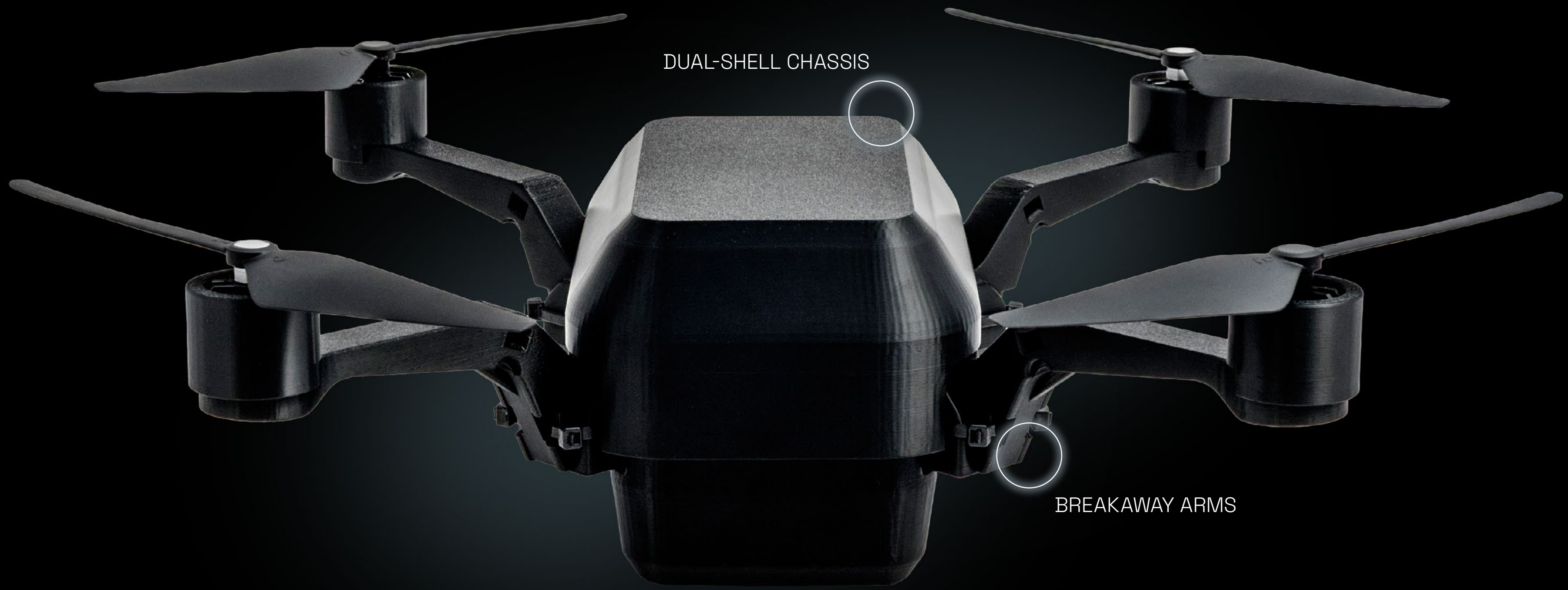
TAKE OFF, LOCK ON, STRIKE...  
AND REPEAT.





## AY-44Q Zombie is a purpose-built multirotor target drone engineered for C-UAS training, sensor validation, and FPV red teaming.

Lightweight, aggressive, and partially expendable, it delivers **realistic threat simulation** without sacrificing cost-efficiency or operational tempo.



DUAL-SHELL CHASSIS

BREAKAWAY ARMS

### SMART TARGET. TOUGH PROFILE.

- ↳ **C-UAS training** with realistic drone threats and swarming behavior.
- ↳ **Pilot training** using high-speed, recoverable platforms.
- ↳ **Testing and validation** of radar, EO/IR, and acoustic sensors.
- ↳ **Simulation environments:** intercept, track, swarm or attack drills.



DESIGNED TO ABSORB IMPACTS WHILE PROTECTING CRITICAL INTERNAL SYSTEMS—GNSS, ELECTRONICS, AVIONICS, AND POWER UNITS.

## CRASHABLE. REUSABLE. RELIABLE.

- ↳ **Impact-tolerant airframe** with dual-shell design.
- ↳ **Breakaway arm system** to minimize damage upon neutralization.
- ↳ **Flight endurance up to 20 minutes**, cruise speed 15 m/s.
- ↳ **Wind resistance up to 12 m/s.**
- ↳ **Autonomous GNSS-based navigation** with emergency logic.
- ↳ **Swarming-capable:** programmable flight profiles.
- ↳ **Optional payloads:** analog, FHD, or 4K/60fps video.
- ↳ **Multiple datalink options:** Wi-Fi, BLE, LoRa, 2.4 / 5 GHz.



AY-44Q ZOMBIE

→ OPERATIONAL ADVANTAGE

# TRAIN MORE. BURN LESS. RECOVER VALUE.

AY-44Q Zombie slashes per-mission costs by preserving the most expensive components, even after damage. Its modular architecture allows fast replacement of broken parts and redeployment in minutes. Ideal for intensive training campaigns, test ranges, or force-on-force simulation, it delivers a balance of realism, expendability, and savings.


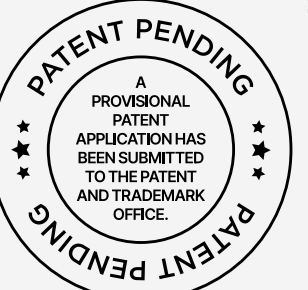
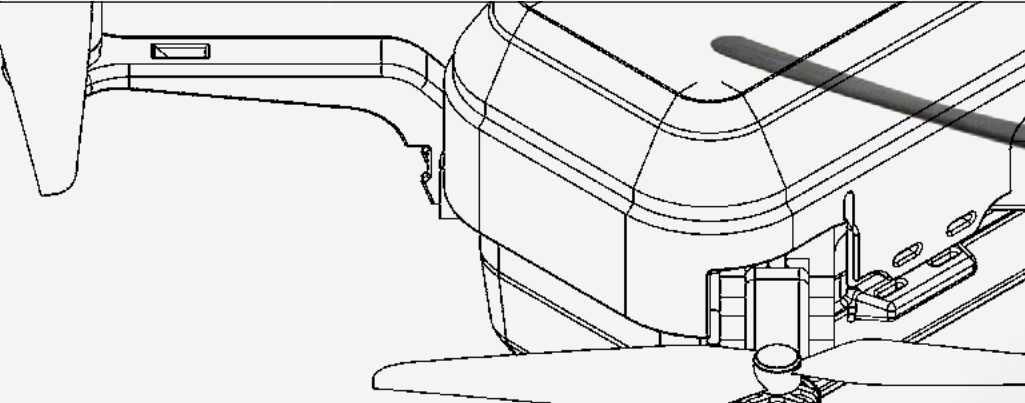


UNLIKE TRADITIONAL TARGET DRONES, ZOMBIE CAN BE PARTIALLY REFURBISHED AND REUSED, MAKING IT THE ONLY DRONE IN ITS CLASS OPTIMIZED FOR SCALABLE, HIGH-FREQUENCY TRAINING.

# AY-44Q ZOMBIE

[ V 1.3 ]

Choosing **AY-44Q Zombie** means investing in a platform that is **field-tested and combat-ready**. With **hundreds of units in service**, this drone is **flying today in Europe and the U.S.**, trusted by leading defense players. It is entirely **designed and built in Italy**, backed by a **dedicated engineering team**, and supported with direct technical assistance and customization capabilities.

<h2>TECHNICAL DATASHEET</h2> 					
01 / [ AIRFRAME ]					
Dimensions	377 x 377 x 156 mm	Airframe Weight	0.9 kg		
02 / [ PERFORMANCE* ]					
Max Payload	0.5 kg	Service Ceiling (AMSL)	3000 m		
Max Takeoff Weight	1.5 kg	Operating Temp. Range	-10°C to +50°C		
Max Flight Time	20 minutes	Navigation Modes	Waypoint, Loiter, Pos. Hold, Go To, RTH		
Max Cruise Speed	15 m/s	Communications	Wi-Fi, BLE, LoRa (optional)		
Max Wind Resistance	12 m/s	Video System	Analog / FHD / 4K60 fps camera		
Max Range	3.0 km	Avionics	GNSS, Remote ID, swarm-capable		
<p>@2026 ALL RIGHTS RESERVED</p> <p>OUR PRODUCTS PURCHASES INCLUDE ALL THE NECESSARY DOCUMENTATION, A BULK HOURS OF CUSTOMER TRAINING AND A COMPREHENSIVE AFTER-SALE ASSISTANCE AND PRE-PLANNED MAINTENANCE. <b>CONTACT US TODAY TO BOOK A FLIGHT DEMONSTRATION! THIS PRODUCT, TRADEMARK AND NAME IS UNDER PATENT APPLICATION.</b></p>		<p>NOTE: Specifications are subject to environmental factors, aircraft configurations, and flight mission profile.</p> <p>* Weather conditions will create variability in performance specifications. For example, strong tailwinds can result in aircraft range that exceeds current advertised product specifications. Similarly, headwinds and other environmental factors can reduce aircraft range below what is currently advertised.</p> <p>**Release dates vary by payload</p>			



Also available in colours:

# Rebooting Aerospace in the Autonomy age

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