

BANZAI

HIGH-PERFORMANCE, JET-POWERED
GROUP 3 UAS FOR ADVANCED
THREAT EMULATION



ADVANCE AHEAD OF THE THREAT

→ HIGH-FIDELITY THREAT SIMULATION

Banzai is SPA's jet-powered Group 3 UAS designed as an affordable, realistic surrogate for cruise-missile and next-generation UAS threats. It delivers the speed, altitude, and maneuverability required for live testing while enabling rapid, repeatable, and recoverable operations.

A REUSABLE CRUISE MISSILE EMULATOR

→ JET-POWERED FLIGHT

High speed, altitude, and agile maneuvering for realistic threat emulation.

→ RAPID TESTING CYCLES

Simplified servicing supports high-tempo operations throughout the day.

→ OPEN ARCHITECTURE

Allows integration with multiple test systems and scenarios.

→ RECOVERABLE DESIGN

Retractable landing gear reduces cost per event through repeated use.

→ FLEXIBLE PAYLOAD INTEGRATION

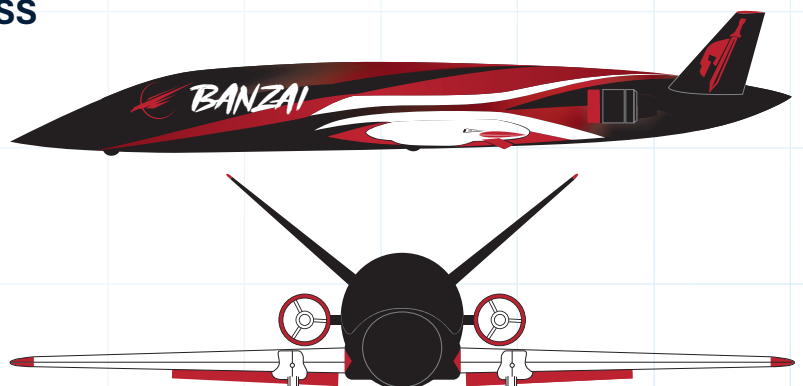
Supports up to 15 lbs for seekers, ISR, comms, telemetry, or offensive kits.

→ REALISTIC THREAT REPRESENTATION

Accurately emulates modern Group 3 UAS and subsonic cruise-missile profiles up to 348 KIAS.

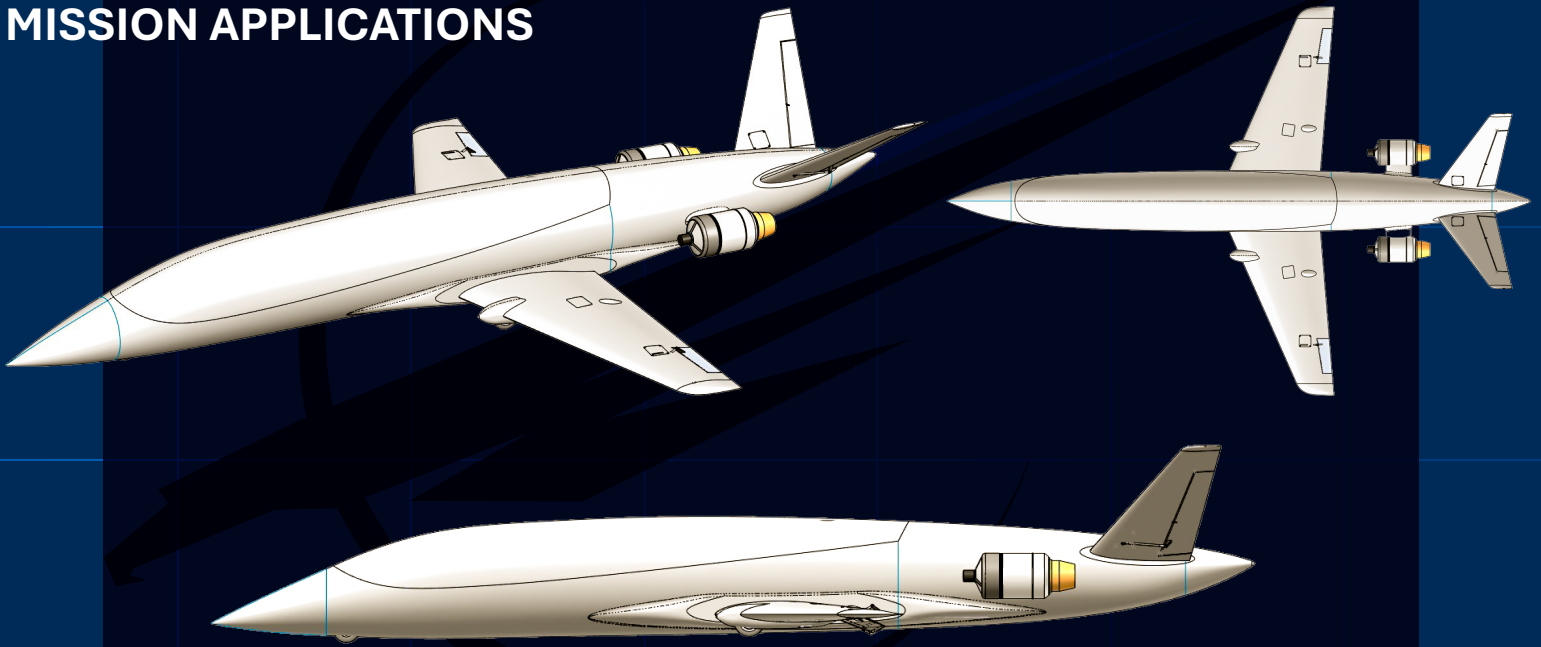
SPECIFICATIONS FOR MISSION READINESS

-  Length: 12.5 ft
-  Wingspan: 6.7 ft
-  Max Gross Takeoff Weight: 180 lbs
-  Max Indicated Airspeed: 348 KIAS
-  Service Ceiling: 30,000 ft



OBJECTIVE | RESPONSIVE | TRUSTED

MISSION APPLICATIONS



→ Counter-UAS Testing	Emulates future threat behaviors for detection, tracking, and engagement.
→ Counter-Cruise Missile Testing	Provides high-speed, straight-and-level profiles for subsonic cruise-missile simulation.
→ Sensor, Seeker and Payload Development	Affordable early-flight testing for ISR, comms, and seeker payloads.
→ Versatile Environment Testing	Supports over-land and over-water operations, including ship-based and land-based test ranges, with precise piloted control.

WHY BANZAI EXCELS

- ✈ Realistic and repeatable threat emulation across UAS and cruise-missile scenarios
- ✈ Rapid test cycles enabled by recoverable and reusable design
- ✈ High-fidelity performance without costly legacy platforms
- ✈ Trusted by Navy, Army, and Air Force test communities

◆ Decision Advantage for National Security

Systems Planning & Analysis (SPA) is a global, independent analytical and technical innovation firm advancing complex national security priorities. SPA delivers mission engineering, advanced analytics, operational insights, and technology-enabled solutions that accelerate capability delivery and inform strategic decision-making across defense, intelligence, homeland security, and other critical mission areas.



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