

Mayman Aerospace RAZOR™ VTOL Achieves Historic Milestone with Fully Autonomous Inaugural Flight

Revolutionary Unmanned VTOL Aircraft Demonstrates Unparalleled Capabilities During Rigorous Testing

LONG BEACH, CA, UNITED STATES, March 31, 2025 /EINPresswire.com/ -- In a great advance for Vertical Takeoff and Landing (VTOL) Unmanned Aerial Systems (UAS), [Mayman Aerospace](#) today announced the successful completion of test flights for the RAZOR P100, which will be the first commercial aircraft in the company's family of autonomous UAS. The achievement marks a major milestone not only for RAZOR but for the company's strategic vision and market position.



Mayman Aerospace Team

The test program, conducted at the US Marine Corps Air Ground Combat Center located at Twenty nine Palms, CA validated 18 months of meticulous engineering and development efforts. Most notably, the tests included the successful inaugural untethered flights of the RAZOR P100, which operated with complete autonomy while executing complex flight maneuvers that demonstrated the sophisticated capabilities of RAZOR's proprietary flight control software called SKYFIELD™.

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David Mayman, Founder & CEO at Mayman Aerospace

SKYFIELD, the company's advanced AI-driven autonomous flight control system, will enable numerous RAZOR aircraft to navigate complex environments without human intervention, making critical adjustments in real-time based on operational conditions. This autonomous AI-

driven decision-making capability will also allow the platform to adapt to changing mission

parameters and environmental factors with precision and reliability.

"These flights represent the culmination of extraordinary engineering expertise and relentless dedication from our team," said David Mayman, Founder & CEO at Mayman Aerospace. "What we've accomplished positions us at the vanguard of autonomous VTOL flight technology. There is simply nothing comparable to the RAZOR family of aircraft available in today's market, and these successful tests validate our innovative approach to solving complex challenges in this domain."

In addition to the P100's series of tests, the program featured the first extended range flight of the RAZOR TBX, while successfully carrying a payload of 50 pounds. This fully autonomous beyond-visual-line-of-sight (BVLOS) operation marked the 26th flight for the TBX platform, which continues to serve as both a reliable workhorse and an invaluable testbed for ongoing research and development initiatives.

"I couldn't be more proud of the team's accomplishments," remarked company Chief of Staff, Daniel Fox. "The warfighter has been waiting for a solution that combines the versatility, autonomy, and reliability that RAZOR delivers. The success of these test flights demonstrates not only our technical capabilities but also our understanding of what operators truly need in the field."

"From an engineering perspective, what we've achieved in just 18 months is extraordinary," explained Dr. Manu Sharma, the company's Chief Engineer. "Our team has overcome significant technical challenges to develop flight control systems that enable unprecedented levels of autonomy and precision. The speed of our progress speaks to both the talent of our engineers and the effectiveness of our approach towards development. These achievements are setting the foundation for SKYFIELD, which will push the boundaries even further."



RAZOR P100 Front Angle on Flight Pad



RAZOR P100 on Flight Pad

SKYFIELD will transform onboard single-aircraft control into an autonomous AI-driven mission management system. It will enable seamless swarming, integrated with Battle Management Systems (BMS) offering commanders a unified airborne capability. Deploying a robust and secure zero-trust mesh architecture, SKYFIELD will enable flawless operation in GPS denied and heavily contested Electronic Warfare (EW) environments.

Looking ahead to the remainder of 2025, Mayman Aerospace will focus on expanding the operational envelope of both the P100 and TBX platforms, with particular emphasis on enhancing payload capabilities, extending flight range, and refining the SKYFIELD autonomous decision-making algorithms that set RAZOR apart from conventional UAS systems.

For more information about Mayman Aerospace and their revolutionary unmanned aircraft technology, please visit www.maymanaerospace.com or email us at contact@maymanaerospace.com

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