



Palladyne AI and Red Cat Announce First Successful Multi-Drone Collaborative Autonomous Flight

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Second key milestone achievement follows on first successful single drone flight in December 2024

SALT LAKE CITY--(BUSINESS WIRE)--Jan. 15, 2025-- [Palladyne AI Corp.](#) (NASDAQ: PDYN and PDYNW) ("Palladyne AI"), a developer of artificial intelligence software for robotic platforms in the defense and commercial sectors, and Red Cat Holdings, Inc. (NASDAQ: RCAT) ("Red Cat"), a drone technology company integrating robotic hardware and software for military, government, and commercial operations, today announced the completion of the first successful flight in which multiple Teal drones equipped with [Palladyne™ Pilot AI software](#) autonomously collaborated to identify, prioritize, and track objects of interest on the ground. The flight demonstrates how the Palladyne Pilot AI software leverages sensor management and platform collaboration to enable a flight of two or more drones to autonomously collaborate and share multi-modal sensor information under constrained communication between drones. This follows Palladyne AI's [announcement in December 2024](#) that it had successfully demonstrated a single drone's ability to interface with a small drone's autopilot system using Palladyne Pilot to autonomously identify, prioritize, and track terrestrial targets.

"Enabling multiple Teal and Black Widow drones to synthesize and share multi-modal sensor fusion information in real-time will dramatically improve situational awareness in the field," said Geoff Hitchcock, Chief Revenue Officer, Red Cat Holdings, Inc. "Even more compelling is the ability to translate that shared information into autonomous navigation, enabling a single operator to manage multiple drones with a substantially reduced cognitive load and in operational environments with limited connectivity. We look forward to engaging with our customers to showcase the value of this groundbreaking joint-solution."

"The successful integration of Palladyne Pilot AI software into Teal drones to enable multi-drone autonomous collaboration is an important milestone in the partnership we announced with Red Cat last summer," said Matt Vogt, Chief Revenue Officer, Palladyne AI Corp. "We believe the force multiplier effect resulting from the autonomous collaboration capability of multiple drones will provide a substantial tactical advantage to the warfighter in the field."

Palladyne AI currently expects Palladyne Pilot software to be commercially available by the end of the first quarter of 2025. For more information, please visit www.palladyneai.com.

About Palladyne™Pilot

The [Palladyne Pilot AI Software Platform for UAVs](#) transforms unmanned tactical systems into highly efficient autonomous force multipliers capable of persistent target tracking, dynamic collaboration, and enhanced situational awareness. With advanced perception, learning, and autonomous capabilities designed to reduce operational burden while dramatically improving mission effectiveness for military and defense operations, Palladyne Pilot stands ready to support and deliver mission effectiveness and success.

The development and continued advancement of Palladyne Pilot is the result of multiple contracts with the U.S. Air Force. From inception, Pilot was designed to be a [collaborative sensing platform](#) for [small drone platforms](#) and is one of the pillars, along with Palladyne IQ, of Palladyne AI's [technology offerings](#).

About Red Cat

Red Cat (Nasdaq: RCAT) is a drone technology company integrating robotic hardware and software for military, government, and commercial operations. Through two wholly owned subsidiaries, Teal Drones and FlightWave Aerospace, Red Cat has developed a Family of Systems. This includes the Black Widow™, a small unmanned ISR system that was awarded the U.S. Army's Short Range Reconnaissance (SRR) Program of Record contract. The Family of Systems also includes TRICHON™, a fixed wing VTOL for extended endurance and range, and FANG™, the industry's first line of NDAA compliant FPV drones optimized for military operations with precision strike capabilities. Learn more at www.redcat.red.

About Palladyne AI Corp.

Palladyne AI Corp. (NASDAQ: PDYN) has developed an advanced artificial intelligence (AI) and machine learning (ML) software platform poised to revolutionize the capabilities of robots, enabling them to observe, learn, reason, and act in a manner akin to human intelligence. Our AI and ML software platform empowers robots to perceive variations or changes in the real-world environment, enabling them to autonomously maneuver and manipulate objects accurately in response.

The Palladyne AI software solution operates on the edge and dramatically reduces the significant effort required to program and deploy robots enabling industrial robots and collaborative robots (cobots) to quickly achieve autonomous capabilities even in dynamic and or complex environments. Designed to achieve precise results with minimal training time, limited data sets, and lower power requirements, compared to current state-of-the-art solutions, Palladyne AI believes its software has wide application, including in industries such as automotive, aviation, construction, defense, general manufacturing, infrastructure inspection, logistics and warehousing. Its applicability extends beyond traditional robotics to include Unmanned Aerial Vehicles (UAVs), Unmanned Ground Vehicles (UGVs), and Remotely Operated Vehicles (ROVs). Palladyne AI's approach is expected to elevate the return on investment associated with a diverse range of machines that are fixed, fly, float, or roll.

By enabling autonomy, reducing programming complexity, and enhancing efficiency, Palladyne AI is paving the way for a future where machines can excel in tasks that were once considered beyond their reach.

For more information, please visit www.palladyneai.com and connect with us on LinkedIn at www.linkedin.com/company/palladyneai.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding the capabilities or future capabilities of the Company's software platform, commercial availability of Palladyne Pilot, the benefits of the software platform and the industries that could benefit from it, and the applicability of the software platform to different kinds of machines (such as UAVs, UGVs and ROVs). Forward-looking statements are inherently subject to risks, uncertainties, and assumptions. Generally, statements that are not historical facts, including statements concerning possible or assumed future actions, business strategies, events, or results of operations, are forward-looking statements. These statements may be preceded by, followed by, or include the words "believes," "estimates," "expects," "projects," "forecasts," "may," "will," "should," "seeks," "plans," "scheduled," "anticipates," "intends" or "continue" or similar expressions. Such forward-looking statements involve risks and uncertainties that may cause actual events, results, or performance to differ materially from those indicated by such statements. These forward-looking statements are based on Palladyne AI's management's current expectations and beliefs, as well as a number of assumptions concerning future events. However, there can be no assurance that the events, results, or trends identified in these forward-looking statements will occur or be achieved. Forward-looking statements speak only as of the date they are made, and Palladyne AI is not under any obligation and expressly disclaims any obligation, to update, alter or otherwise revise any forward-looking statement, whether as a result of new information, future events, or otherwise, except as required by law.

Readers should carefully review the statements set forth in the reports which Palladyne AI has filed or will file from time to time with the Securities and Exchange Commission (the "SEC"), in particular the risks and uncertainties set forth in the sections of those reports entitled "Risk Factors" and "Cautionary Note Regarding Forward-Looking Statements," for a description of risks facing Palladyne AI and that could cause actual events, results or performance to differ from those indicated in the forward-looking statements contained herein. The documents filed by Palladyne AI with the SEC may be obtained free of charge at the SEC's website at www.sec.gov.

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