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Arbe Expands into Defense and Homeland Security with the Alerion C-UAS Radar for Hard-to-Detect Drone Threats

The Compact, Low-Power 4D Imaging System Has Been Field-Tested and Is Now Under Evaluation by Integrators Worldwide

TEL AVIV, Israel, Sept. 14, 2026 /PRNewswire/ -- [Arbe Robotics](#) (Nasdaq: ARBE) (TASE: ARBE), a global leader in ultra-high-resolution radar solutions, today announced its entry into the counter-drone market with the Alerion C-UAS Radar, marking Arbe's expansion into defense and homeland security. This system is a compact ultra-high-resolution 4D imaging radar, designed to detect and track drone threats that are increasingly difficult for legacy counter-drone sensors to identify. These include FPV, mini, autonomous, and fiber-optic drones. Alerion has been successfully field-tested for defense applications and is currently being evaluated by counter-unmanned aircraft systems (C-UAS) integrators worldwide.



The global drone threat is escalating faster than the systems built to counter it. Inexpensive, low-signature drones increasingly threaten military and mobile defense operations, critical infrastructure, and public facilities. Low, slow, and small drones reflect very little radar

energy, making them hard for legacy counter-drone sensors to spot, and furthermore, autonomous and fiber-optic-controlled drones fly with no radio link at all, so there is no signal to intercept. The Alerion ultra-high-resolution radar can detect the drone itself rather than its emissions, so it holds the track however the drone is controlled.

"Drone threats have become one of the most urgent security challenges worldwide, and detection of small drones is a current weakness where defenders are highly exposed," said Ram Machness, CEO of Arbe. "Alerion brings the highly detailed sensing capabilities Arbe has spent years developing for automotive - resolving small objects in dense clutter - to counter-drone defense in a compact platform designed for broad deployment. This opens a significant new market for Arbe."

Alerion is designed as an ultra-high-resolution sensing layer within multi-sensor counter-UAS architectures, holding the track continuously from first detection to minimum range. That includes the critical zone of a drone's final approach, where low-altitude flight, complex maneuvers, and ground clutter make threats hardest to follow. It separates drones from birds, vehicles, buildings, and vegetation, supporting reliable detection, low false-alarm rates, and precise cueing for the cameras and effectors that identify and engage the target.

Built on Arbe's ultra-high-resolution radar architecture, Alerion pairs that sensing with a solid-state design that is small, lightweight, low-power, and low-cost - the profile defense programs refer to as low SWaP-C (size, weight, power, and cost). This makes Alerion practical for fixed, vehicle-mounted, and portable systems.

To learn more, visit the Alerion C-UAS Radar [product page](#), or meet the Arbe team at [Counter UAS Homeland Security Europe](#), taking place September 23-24, 2026, in London.

About Arbe

Arbe (Nasdaq: ARBE), a global leader in ultra-high-resolution radar solutions, is redefining radar as a core sensing platform for next-generation mobility and advanced sensing applications. Arbe's complete radar technology stack includes proprietary automotive-grade RF transmitter and receiver chips, a dedicated radar processing chip, high-definition radar systems with 2,304 virtual channels, and advanced AI algorithms that transform radar data into a perception-ready layer. By delivering an exceptional level of detail, real-time processing, and scalable system performance, Arbe enables OEMs, Tier-1s, integrators, and technology partners to build more capable perception systems for passenger vehicles, heavy machinery, defense, and additional advanced sensing markets.

Headquartered in Tel Aviv, Israel, Arbe also operates offices in the United States, Germany, and China. For more information, visit <https://arberobotics.com/>.

Cautionary Note Regarding Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of the Securities Act of 1933 and the Securities Exchange Act of 1934, both as amended by the Private Securities Litigation Reform Act of 1995. The words "expect," "believe," "estimate," "intend," "plan," "anticipate," "may," "should," "strategy," "future," "will," "project," "potential" and similar expressions indicate forward-looking statements. Forward-looking statements are predictions, projections and other statements about future events that are based on

current expectations and assumptions and, as a result, are subject to risks and uncertainties. These risks and uncertainties include the possible delisting of the Company's ordinary shares from Nasdaq in the event the bid price per share of the Company's ordinary shares remains below \$1.00, the effect on the Israeli economy generally and on the Company's business resulting from the terrorism and the hostilities in Israel, including the continuing hostilities with Iran, Hezbollah and Hamas and any intensification of hostilities, and the effect of the call-up of a significant portion of its working population, including the Company's employees, the ability of the Company to develop and market the Alerion radar system and deliver units in a timely and profitable manner, the ability of the Alerion radar system to operate as planned under wartime conditions, and the risks and uncertainties described in "Cautionary Note Regarding Forward-Looking Statements," "Item 3. Key Information – D. Risk Factors" and "Item 5. Operating and Financial Review and Prospects" and in the Company's Annual Report on Form 20-F for the year ended December 31, 2025, which was filed with the Securities and Exchange Commission (the "SEC") on March 27, 2026, as well as other documents filed by the Company with the SEC. Accordingly, you are cautioned not to place undue reliance on these forward-looking statements. Forward-looking statements relate only to the date they were made, and the Company does not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date they were made except as required by law or applicable regulation. Information contained on, or that can be accessed through, the Company's website or any other website or any social media is expressly not incorporated by reference into and is not a part of this press release.

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