



Aeva to Showcase Passenger OEM Vehicle with Windshield-Integrated 4D LiDAR and Introduce New Sensor Technology for Physical AI at CES 2026

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Interactive Demonstrations Highlight How Aeva's Perception Platform is Transforming Automation Across Automotive, Robotics, Factory Automation and Smart Infrastructure Applications

MOUNTAIN VIEW, Calif.--(BUSINESS WIRE)--Dec. 17, 2025-- [Aeva®](#) (Nasdaq: AEVA), a leader in next-generation sensing and perception systems, today announced it will showcase a passenger OEM vehicle featuring windshield-integrated 4D LiDAR and debut a new 4D LiDAR sensor at CES 2026, taking place January 6-9 in Las Vegas. Through live, interactive demonstrations, Aeva will highlight how its Frequency Modulated Continuous Wave (FMCW) perception platform is enabling advanced automation across automotive, robotics, factory automation and smart infrastructure applications.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20251217340318/en/>



New 4D LiDAR Sensor for Physical AI Applications

Aeva will introduce a new 4D LiDAR sensor for advanced sensing and perception capabilities across robotics, automotive and smart-infrastructure use cases. The sensor represents the next evolution of Aeva's LiDAR-on-Chip perception platform and expands the company's portfolio beyond long-range automotive sensing to support a wider spectrum of automation and Physical AI applications.

Automotive Solutions Including Passenger OEM Vehicle Demonstration

Aeva will demonstrate its latest [Aeva Atlas™ Ultra](#) 4D LiDAR sensor and feature a live demonstration of [Aeva Atlas™](#) integrated behind the windshield of a passenger OEM vehicle. The integration illustrates how Aeva's FMCW sensing is enabling the future of Level 3 automated driving at highway speeds. Aeva will also showcase a next-generation windshield integration design featuring the slim Atlas Ultra sensor paired with automotive-grade cameras behind a purpose-built windshield co-developed with Wideye by AGC, designed to meet stringent passenger OEM requirements for compact packaging, performance, and sensor fusion.

Smart Infrastructure & Transport Solutions

Aeva will also showcase its expanding portfolio of 4D LiDAR solutions for smart infrastructure and transport. From enhancing next-generation traffic management and safety solutions, to powering advanced aviation and rail automation, to enabling real-time airport situational awareness, Aeva's technology is advancing safer, more efficient mobility across critical public environments.

Industrial & Factory Automation Solutions

Aeva will highlight its [Aeva Eve™ 1](#) precision sensing portfolio for in-line factory automation. Eve 1D delivers sub-micron displacement measurement for thickness, height, vibration, and surface-profile inspection, while Eve 1V provides non-contact speed, length, and position measurement with sub-millimeter-per-second velocity accuracy. These sensors offer stable, repeatable, and maintenance-free operation, enabling real-time quality control and automation in high-volume manufacturing environments.

Live 4D LiDAR Point Cloud & Perception Demonstrations

Attendees can experience real-time point-cloud visualizations showcasing Aeva's ability to simultaneously detect range and velocity for every point—an essential advantage over conventional 3D Time-of-Flight LiDAR systems. Combined with Aeva's AI-driven perception software, the demos will highlight capabilities including dynamic object detection, semantic segmentation, and robust tracking in complex environments.

Why Aeva Leads in Perception

Aeva's FMCW LiDAR-on-Chip technology provides high-resolution spatial and velocity data, enabling vehicles, robots, and industrial systems to perceive and react with greater accuracy and reliability. This leadership has led to a number of major production customer wins with leading global automotive OEMs, including Daimler Truck and a top European passenger automaker, and has accelerated adoption across manufacturing automation with partners such as Nikon, SICK AG, LMI Technologies and in the smart infrastructure market.

Where to See Aeva at CES

Aeva will exhibit its full portfolio of sensing and perception solutions at booth #6919 in the West Hall of the Las Vegas Convention Center. Aeva's technology will also be featured in partner exhibits, including LG Innotek at booth #3800 and AGC at booth #6653 in the West Hall.

More information regarding Aeva's CES 2026 presence and activities are available online at: aeva.com/ces.

About Aeva Technologies, Inc. (Nasdaq: AEVA)

Aeva's mission is to bring the next wave of perception to a broad range of applications from automated driving, manufacturing automation and smart infrastructure, to robotics and consumer devices. Aeva is accelerating autonomy with its groundbreaking perception platform that integrates lidar-on-chip technology, system-on-chip processing, and perception algorithms onto silicon leveraging silicon photonics. Aeva 4D LiDAR sensors uniquely detect velocity and position simultaneously, allowing automated devices like vehicles and robots to make more intelligent and safe decisions. For more information, visit www.aeva.com, or connect with us on [X](#) or [LinkedIn](#).

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Forward looking statements

This press release contains certain forward-looking statements within the meaning of the federal securities laws. Forward-looking statements generally are identified by the words "believe," "project," "expect," "anticipate," "estimate," "intend," "strategy," "future," "opportunity," "plan," "may," "should," "will," "would," "will be," "will continue," "will likely result," and similar expressions. These forward-looking statements include, but are not limited to expectations about our product features, performance, the timing of revenue and production ramp with a top 10 global automotive OEM, and market adoption. 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. Many factors could cause actual future events to differ materially from the forward-looking statements in this press release, including, but not limited to: (i) the fact that Aeva is an early stage company with a history of operating losses and may never achieve profitability, (ii) Aeva's limited operating history, (iii) the ability to implement business plans, forecasts, and other expectations and to identify and realize additional opportunities, (iv) the timing of any orders, (v) the risk that the OEM may not pursue the program as currently anticipated, (vi) unforeseen errors or defects, (vii) market acceptance of LiDAR technology and autonomous driving, (viii) general economic conditions and other material risks and other important factors that could affect our financial results. Please refer to our filings with the SEC, including our most recent Form 10-Q and Form 10-K. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and Aeva assumes no obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise. Aeva does not give any assurance that it will achieve its expectations.

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Media:

Michael Oldenburg
press@aeva.ai

Investors:

Andrew Fung
investors@aeva.ai

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