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Polestar 4 To Integrate Luminar LiDAR with Mobileye Chauffeur

GOTHENBURG, Sweden--(BUSINESS WIRE)-- Polestar is working with Luminar, a leading automotive technology company, and Mobileye, a global leader in autonomous driving solutions, to enhance safety and the future autonomous driving capabilities of Polestar 4 with the integration of Luminar's next-generation LiDAR technology with Mobileye's Chauffeur platform.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20231109405837/en/>



(Photo: Business Wire)

[Announced in August](#), Polestar 4 is planned to be the first production car to feature Mobileye Chauffeur, now with Luminar LiDAR, which builds upon the full-surround camera-based SuperVision platform available in Polestar 4 from launch. Together, the three companies aim to offer eyes-off, point-to-point autonomous driving on highways, as well as eyes-on automated driving for other environments.

With Mobileye Chauffeur, Polestar 4 is set to feature three Mobileye EyeQ6 processors, a front-facing LiDAR from Luminar, and Mobileye's front-facing imaging radar to provide the extra layer of sensing and artificial intelligence needed to enable eyes-off, hands-off driving.

LiDAR (Light Detection and Ranging) uses lasers to create a highly detailed 3D map of the surrounding environment. Luminar's LiDAR is uniquely engineered from chip-level up and with a higher wavelength, enabling the greatest level of performance and safety capabilities for production cars. When coupled with Mobileye's Chauffeur platform, the result will be a turnkey, safer and high-performing automated system.

Building on the existing relationship between Luminar and Mobileye, the integration of Luminar LiDAR into Polestar 4 also expands the partnership between Luminar and Polestar which was [announced in January 2023](#).

Thomas Ingenlath, Polestar CEO, says: “Polestar 4 comes with the highly advanced Mobileye SuperVision ADAS from the start, and we look forward to expanding that with Mobileye Chauffeur in the future. Being able to add Luminar’s industry-leading LiDAR to the platform’s development increases the strong link between our companies and brings even more world-class technology to Polestar 4.”

Prof. Amnon Shashua, CEO of Mobileye, says: “Combining our base SuperVision with an independent second redundant perception system – consisting of Luminar LiDAR, radars and an imaging radar – enables true redundancy and a level of accuracy that lays the foundation for fully autonomous driving.”

Austin Russell, founder and CEO of Luminar, says: “After collaborating with Mobileye on a solution since 2019, the true fruits of our labor with them are being realised for the first time by transitioning out of R&D and into a production vehicle with Polestar. Together, we look forward to raising the benchmark in the industry for what a safe and autonomous future can look like.”

About Luminar:

Luminar is a global automotive technology company ushering in a new era of vehicle safety and autonomy. For the past decade, Luminar has built an advanced hardware and software/AI platform to enable its more than 50 industry partners, including the majority of global automotive OEMs. From consumer vehicle programs with Volvo Cars and Mercedes Benz to technology partnerships including NVIDIA and Mobileye, Luminar is poised to be the first automotive technology company to enable next-generation safety and autonomous capabilities for global production vehicles. For more information please visit <https://www.luminartech.com>.

About Mobileye:

Mobileye (Nasdaq: MBLY) leads the mobility revolution with its autonomous driving and driver-assistance technologies, harnessing world-renowned expertise in computer vision, artificial intelligence, mapping, and data analysis. Since its founding in 1999, Mobileye has pioneered such groundbreaking technologies as REM™ crowdsourced mapping, True Redundancy™ sensing, and Responsibility Sensitive Safety (RSS). These technologies are driving the ADAS and AV fields towards the future of mobility – enabling self-driving vehicles and mobility solutions, powering industry-leading advanced driver-assistance systems and delivering valuable intelligence to optimize mobility infrastructure. To date, more than 150 million vehicles worldwide have been built with Mobileye technology inside. In 2022 Mobileye listed as an independent company separate from Intel (Nasdaq: INTC), which retains majority ownership. For more information, visit <https://www.mobileye.com>.

About Polestar:

Polestar (Nasdaq: PSNY) is the Swedish electric performance car brand determined to improve society by using design and technology to accelerate the shift to sustainable

mobility. Headquartered in Gothenburg, Sweden, its cars are available online in 27 markets globally across North America, Europe and Asia Pacific. Polestar's North American headquarters is in the greater New York City area. Polestar Spaces have been opened in over 30 of the region's top electric vehicle markets. Polestar plans to have a line-up of five performance EVs by 2026. Polestar 2, the electric performance fastback, launched in 2019. Polestar 3, the SUV for the electric age, launched in late 2022. Polestar 4, the SUV coupé transformed, is launching in phases through 2023 and into 2024. Polestar 5, an electric four-door GT and Polestar 6, an electric roadster, are coming soon. The Polestar 0 project supports the company's ambitious goal of creating a truly climate-neutral production car by 2030. The research initiative also aims to create a sense of urgency to act on the climate crisis, by challenging employees, suppliers and the wider automotive industry, to drive towards zero.

Forward Looking Statements:

This press release contains statements that are not historical facts, but rather forward looking statements within the meaning of Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those that address activities, events or developments that Polestar or its management believes or anticipates may occur in the future, including further developments regarding the integration of Luminar LiDAR into Mobileye Chauffeur into Polestar vehicles and the development of safe autonomous driving systems. All forward-looking statements are based upon our current expectations, various assumptions and data available from third parties. Our expectations and assumptions are expressed in good faith and we believe there is a reasonable basis for them. However, there can be no assurance that such forward-looking statements will materialize or prove to be correct as forward-looking statements are inherently subject to known and unknown risks, uncertainties and other factors which may cause actual future results, performance or achievements to differ materially from the future results, performance or achievements expressed in or implied by such forward-looking statements. Numerous risks, uncertainties and other factors may cause actual results to differ materially from those set out in the forward-looking statements, including potential issues with the Luminar LiDAR or Mobileye Chauffeur technologies and the development of safe, eyes-off, hands-off driving with autonomous driving systems. For any forward-looking statements contained in this or any other document, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995, and we assume no obligation to update publicly or revise any such statements in light of new information or future events, except as required by law.

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