

Volvo Cars and Autoliv Select NVIDIA DRIVE PX Platform for Self-Driving Cars

Collaboration to Bring AI-Enabled Autonomous Vehicles to Market in 2021

Volvo Cars and Autoliv are teaming up with NVIDIA to develop advanced systems and software for AI self-driving cars, the companies announced today.

The three companies will work together along with Zenuity -- a newly formed automotive software development joint venture equally owned by Volvo Cars and Autoliv -- to develop next-generation self-driving car technologies. Production vehicles built on the [NVIDIA DRIVE™ PX car computing platform](#) are planned for sale by 2021.

"Artificial intelligence is the essential tool for solving the incredibly demanding challenge of autonomous driving," said Jensen Huang, founder and CEO of NVIDIA, who discussed the initiative during a keynote address at the Automobil Elektronik Kongress. "We are building on our earlier collaboration with Volvo to create production vehicles that will make driving safer, lead to greener cities and reduce congestion on our roads."

Volvo Cars, Autoliv and Zenuity will use NVIDIA's AI car computing platform as the foundation for their own advanced software development.

Hakan Samuelsson, president and chief executive of Volvo Cars, said: "Our cooperation with NVIDIA places Volvo Cars, Autoliv and Zenuity at the forefront of the fast-moving market to develop next-generation autonomous driving capabilities and will speed up the development of Volvo's own commercially available autonomous drive cars."

Jan Carlson, chief executive of Autoliv, said: "With NVIDIA, we now have full access to the leading AI computing platform for autonomous driving. Autoliv, Volvo Cars and NVIDIA share the same vision for safe, autonomous driving. This cooperation will further advance our leading ADAS and autonomous driving offerings to the market."

Volvo, Autoliv, Zenuity and NVIDIA will work together to create systems that can utilize [deep learning](#), a form of artificial intelligence, to recognize objects in their environment, anticipate potential threats and navigate safely.

The NVIDIA DRIVE PX system enables full 360-degree, real-time situational awareness and uses a known high-definition map to plan a safe route and drive precisely along it, adjusting to ever-changing circumstances. The system also performs other critical functions, such as stitching camera inputs to create a complete surround-view of the car's environment.

Zenuity will provide Volvo with self-driving software. Autoliv will also sell this software to third-party OEMs using its established and broad sales, marketing and distribution network.

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[NVIDIA's](#) (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI -- the next era of computing -- with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: the impact and benefits of the collaboration amongst NVIDIA, Volvo Cars, Autoliv and Zenuity, and of the NVIDIA DRIVE PX system; the availability of production vehicles built on NVIDIA DRIVE PX; and artificial intelligence as the essential tool for solving autonomous driving are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners' products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the reports NVIDIA files with the Securities and Exchange Commission, or SEC, including its Form 10-Q for the fiscal period ended April 30, 2017. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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