

Volvo Selects NVIDIA DRIVE for Production Cars

New AI-Based NVIDIA DRIVE AGX Xavier System Enables Level 2+ Assisted Driving, Market Introduction Early 2020s

GTC Europe--Volvo Cars and NVIDIA today announced that the Swedish automaker has selected the [NVIDIA DRIVE AGX Xavier™ computer](#) for its next generation of vehicles, with production starting early 2020s.

DRIVE AGX Xavier is a highly integrated AI car computer that enables Volvo to streamline development of self-driving capabilities while reducing total cost of development and support. The initial production release will deliver Level 2+ assisted driving features, going beyond traditional advanced driver assistance systems.

The companies are working together to develop automated driving capabilities, uniquely integrating 360-degree surround perception and a driver monitoring system. The NVIDIA-based computing platform will enable Volvo to implement new connectivity services, energy management technology, in-car personalization options, and autonomous drive technology.

"Autopilot done right will bring a jump in safety and driving comfort. Your car will drive you and constantly watch out for you. Making this possible will require sensor architecture, AI software, computing and safety technology like nothing the world has ever made," said Jensen Huang, founder and CEO of NVIDIA, who announced the news at his GTC Europe keynote. "As a world leader in safety technology and innovation, Volvo understands there is a direct connection between safety, comfort and the computing capability inside the vehicle."

"A successful launch of autonomous drive will require an enormous amount of computing power, as well as constant advances in artificial intelligence," said Håkan Samuelsson, president and chief executive of Volvo Cars. "Our agreement with NVIDIA is an important piece of that puzzle and helps us to safely introduce fully autonomous Volvo cars to our customers."

NVIDIA DRIVE AGX incorporates the NVIDIA Xavier system-on-a-chip, the world's first processor built for autonomous driving. Architected for safety, the Xavier SoC incorporates six different types of processors for redundant and diverse algorithms.

Today's news follows Volvo and NVIDIA's announcement in June 2017 that they are developing a [Level 4 highly automated driving system](#) -- also using the scalable NVIDIA DRIVE platform -- in collaboration with Veoneer and Zenuity.

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About NVIDIA

[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 benefits and impact of DRIVE AGX Xavier and NVIDIA's collaboration with Volvo; and the impact and requirements of autopilot and a successful launch of autonomous drive 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 most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. 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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Media Contacts

Hector Martinez

+1 408 486 3443

hmarinez@nvidia.com