Transportation Supplier ZF and NVIDIA Announce AI-Based Self-Driving System for Cars, Trucks, Commercial Vehicles

LAS VEGAS, NV - ZF, one of the industry's largest automotive suppliers and top supplier to Europe's trucking industry, today launched the ZF ProAI self-driving system, based on the NVIDIA DRIVE™ PX 2 AI car computer, for cars, trucks and other commercial vehicles for factories, agriculture and mining.

ZF is the first tier-1 auto supplier to bring an AI self-driving computer based on DRIVE PX 2 into production for commercial availability.

ZF ProAI uses the DRIVE PX 2 AutoCruise configuration to enable companies to build self-driving vehicles -- ranging from cars and trucks, to industrial applications, such as forklifts and materials-handling vehicles.

"With NVIDIA, we are bringing the supercomputing power required for artificial intelligence into cars and commercial vehicles," said Stefan Sommer, chief executive officer of ZF. "ZF is enabling vehicles to see, think and act. NVIDIA's AI platform lets us take a giant leap forward when it comes to enabling vehicles -- whether cars, trucks or forklifts -- to think."

Speaking at ZF's event ahead of the start of CES 2017, Rob Csongor, vice president and general manager of Automotive at NVIDIA, discussed how NVIDIA is working to bring artificial intelligence in deep neural networks to a wide variety of industries.

"It's not an exaggeration when we talk about artificial intelligence as the technology that will spark an industrial revolution," Csongor said. He added that, in transportation, AI promises to reduce traffic fatalities and congestion. "Doing this requires a computational breakthrough and we now have that breakthrough in AI."

ZF ProAI can process inputs from multiple cameras, plus lidar, radar and ultrasonic sensors, in a process called sensor fusion. This will enable the vehicle to paint a 360-degree view around itself, locate itself on an HD map and find a safe path through traffic.

ZF ProAI will be available for production in early 2018.

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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. Today, NVIDIA is increasingly known as "the AI computing company." 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 ZF ProAI and DRIVE PX 2; and artificial intelligence sparking an industrial revolution and reducing traffic fatalities and congestion 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 October 30, 2016. 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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