VOLVO

Communiqués

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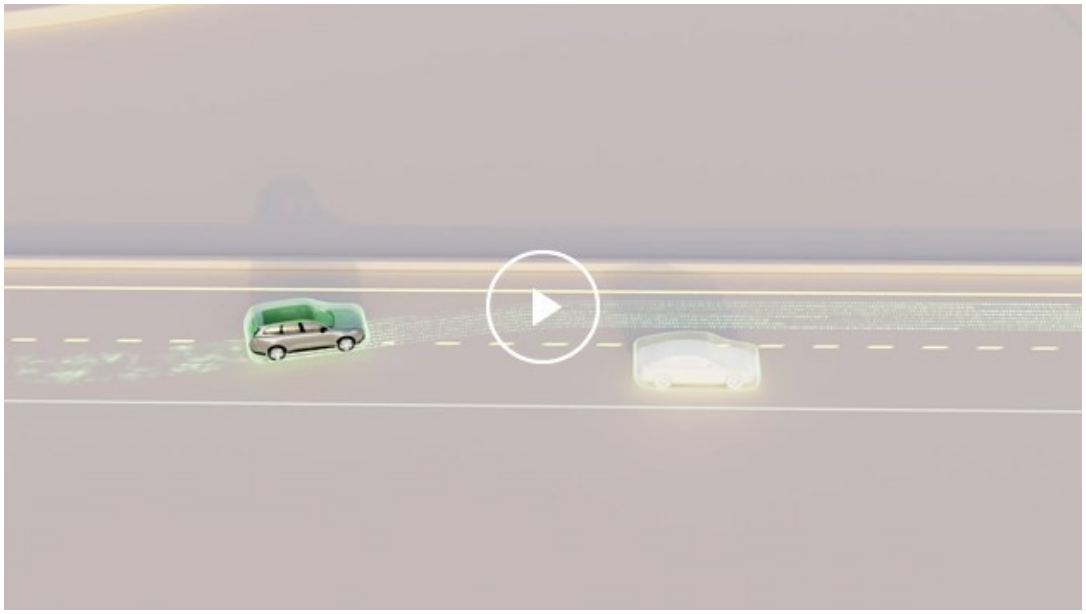
Volvo EX90 to support Google's new HD map

In our upcoming Volvo EX90, lidar, cameras and radars come together to understand your car's surroundings and help keep you safe. To further improve our assisted driving technologies and eventually reach autonomous driving in the future, we also need a way to recognise your environment at detail – both immediately in front of you and at longer distances beyond the twists and turns ahead.

Enter Google HD Maps – a comprehensive map designed specifically for car makers that provides highly detailed and up-to-date road information.

Continuing our longstanding collaboration with Google, Volvo Cars and our strategic affiliate Polestar will be the first car makers to bring their HD map technology into its cars, starting with the recently unveiled Volvo EX90 and Polestar 3.

By integrating Google's HD map, we will be able to bring together data from our industry-leading sensor set in the Volvo EX90 with Google's precise lane-level and localisation data to facilitate semi-autonomous driving features like lane change assistance and Volvo Cars' Pilot Assist technology.



'This animation is intended to illustrate Volvo Cars' development efforts of Pilot Assist, its assisted driving feature, with support from Google's HD map as well as input from its advanced exterior sensors set made of a lidar, 5 radars, and 8 cameras. It is not illustrative nor indicative of Google's HD map's exact capabilities or applications.'

With details like lane markers and localisation objects such as signs, Google's HD map supports L2+ and L3 assisted driving technology offered by car manufacturers for safer, more hands-free driving on select roadways.

This road information combined with the data from the Volvo EX90's lidar and other sensors will be processed through the car's core computer system powered by NVIDIA DRIVE AI Platforms Xavier and Orin.

"The addition of Google HD Maps in our future car line-up marks an expansion of our strategic collaboration with Google, reflecting our commitment to work with technology leaders," says COO and Deputy CEO Javier Varela. "Implementing Google HD Maps in our upcoming cars will help us offer our drivers a more enjoyable driving experience and in future contribute to the introduction of safe autonomous driving."

By combining data from HD Maps with information collected from our exterior sensors, lidar from Luminar and software developed by assisted driving software company Zenseact, we aim to create a more predictable, safe, and comfortable drive.

"Zenseact is proud to work alongside Volvo Cars and Google on the implementation of this game-changing technology for assisted, and later on, autonomous driving," says Ödgärd Andersson, Chief executive officer of Zenseact. "It will play an important role in our journey towards zero collisions."

"Building on our long history of mapping the world, Google's new HD map is designed specifically for automakers and provides comprehensive lane-level and localization data that is crucial to powering the next generation of assisted and autonomous driving systems," says Jorgen Behrens, VP and General Manager of Geo Automotive, Google. "We're excited to continue partnering with leading automakers like Volvo to improve the safety and comfort of drivers everywhere."

The small print

- Google HD Maps will be available in cars that are equipped ith Pilot Assist.
- Volvo Cars' Pilot Assist offer may vary depending on the market, model year and car model.

- Google, Google HD Maps are trademarks of Google LLC.

Volvo Cars in 2021
Volvo Car Group recorded an operating profit of 20.3 BSEK. Revenue in 2021 amounted to 282.0 BSEK, while global sales reached 698,700 cars.

About Volvo Car Group
Volvo Cars was founded in 1927. Today, it is one of the most well-known and respected car brands in the world with sales to customers in more than 100 countries. Volvo Cars is listed on the Nasdaq Stockholm exchange, where it is traded under the ticker "VOLCAR B".

Volvo Cars aims to provide customers with the Freedom to Move in a personal, sustainable and safe way. This is reflected in its ambition to become a fully electric car maker by 2030 and in its commitment to an ongoing reduction of its carbon footprint, with the ambition to be a climate-neutral company by 2040.

As of December 2021, Volvo Cars employed approximately 41,000 full-time employees. Volvo Cars' head office, product development, marketing and administration functions are mainly located in Gothenburg, Sweden. Volvo Cars' production plants are located in Gothenburg, Ghent (Belgium), South Carolina (US), Chengdu, Daqing and Taizhou (China). The company also has R&D and design centres in Gothenburg, Camarillo (US) and Shanghai (China).

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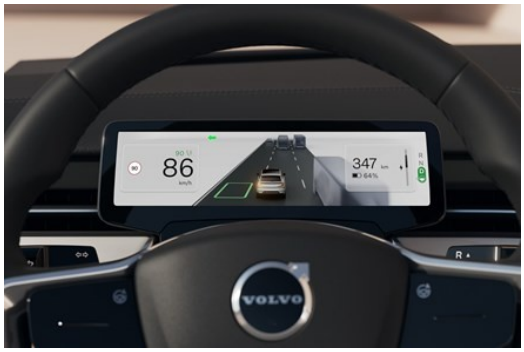
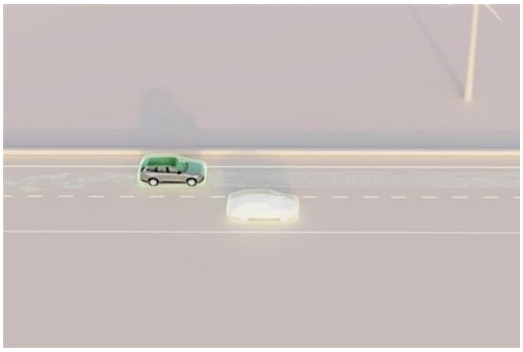
About Zenseact:
Zenseact's purpose is to make safe and intelligent mobility real, for everyone, everywhere, by develop the complete software stack for AD and ADAS, from sensing to actuation. Focus is to build a cutting-edge software service platform in order to serve various levels of autonomy and offer unequaled scalability at the same time. Zenseact was founded by Volvo Cars in 2020, operates in Gothenburg, Sweden, and Shanghai, China with approximately 600 engineers who's mission is to reach Zero collisions faster.

Mots clés:

Press Releases, Product News, EX90, 2024

Images liées





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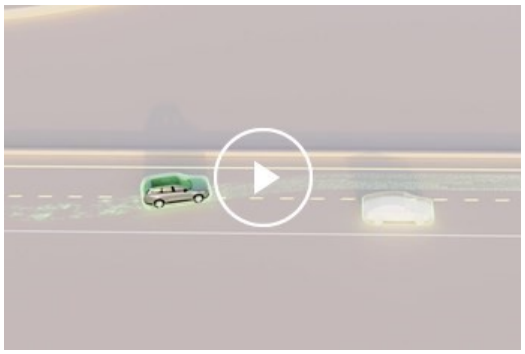

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