

Bosch and Cariad collaborate to develop AI-driven software for automated driving

12-Aug-2025 11:47 GMT

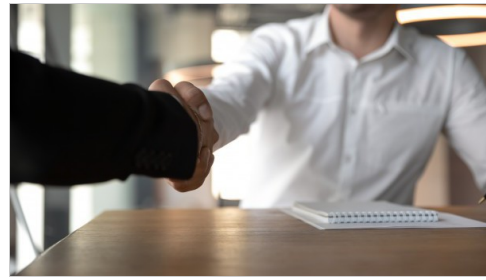
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The partnership focuses on cognitive tasks for Level 2 and Level 3 driving, targeting marketwide accessibility by 2026

As reported in a press release on Aug. 11, Bosch and Cariad are enhancing their collaboration within the Automated Driving Alliance to develop a software stack for Level 2 and Level 3 assisted and automated driving by utilizing AI. This initiative aims to create more advanced and intelligent driver assistance systems that operate similarly to human drivers, enhancing the driving experience and safety. The software stack focuses on cognitive tasks such as perception, interpretation, decision-making and action.



Source: Getty Images/ fizkes

The expanded use of modern AI methods is intended to bring the partners closer to their aim of making automated driving accessible to millions of private motorists across various market segments. The new driving functions will enable drivers to remove their hands from the steering wheel in different situations. Initial versions of the system have been deployed in test fleets and are undergoing continuous enhancement with large datasets. The production-ready software stack is expected to be available by mid-2026.

Volkswagen Group plans to incorporate Bosch and Cariad's automated driving technologies into its new software-defined vehicle architecture. Bosch intends to offer this scalable solution to other manufacturers globally, promoting widespread adoption of automated driving. The collaboration between the two companies highlights the effectiveness of partnership, technological expertise and goal-oriented focus in achieving innovative solutions in Europe.

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