

# ADLINK, Tier IV, AutoCore partner to develop functional safety middleware for autonomous vehicles



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## The three partners aim to deliver scalable middleware on heterogeneous computing platforms for autonomous mobility

ADLINK Technology and Tier IV have joined forces with AutoCore to develop advanced functional safety middleware and applications to make autonomous vehicles safer. The three partners aim to deliver scalable middleware on heterogeneous computing platforms for autonomous mobility. In addition, ADLINK, Tier IV, and AutoCore will contribute to open-source Robot Operating System (ROS)-based projects, including Autoware.Auto and Eclipse Cyclone DDS.

“This collaboration with ADLINK and AutoCore will be a great opportunity to get involved in autonomous driving projects and expand the Autoware ecosystem. We believe our expertise and game-changing technologies will allow for the further development of autonomous vehicles powered by Autoware,” said Shinpei Kato, founder and CTO of Tier IV.

**Significance:** ADLINK, Tier IV, and AutoCore will leverage their expertise to develop advanced functional safety middleware. ADLINK specializes in edge computing, Tier IV develops self-driving software, and AutoCore builds intelligent vehicle platforms. “Data-centric middleware and intelligent edge platforms are essential to these mission-critical autonomous applications. With our combined expertise in modular, open source, and AI technologies, we are well positioned to quickly support the autonomous driving community with safety-oriented hardware and software,” said Cheng Chen, co-founder and CTO of AutoCore.

All three partners are also members of Autoware Foundation, a nonprofit organization that supports open-source projects enabling autonomous mobility. The Autoware Foundation supports Autoware. Auto, an open-source software for autonomous vehicles based on ROS2. The software, based on a redesigned architecture, applies best software engineering practices and is managed by an open-source community manager.

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