

# Tata Technologies collaborates with Telechips to jointly develop solutions for software-defined vehicles

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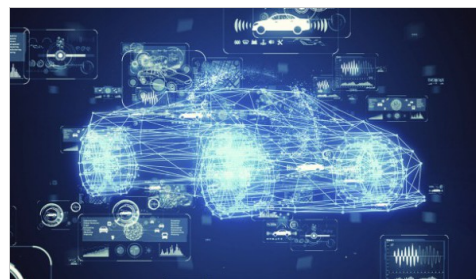
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## **The partnership aims to tackle software-hardware integration challenges, enhancing safety and connectivity for SDVs**

Tata Technologies and Telechips have signed a memorandum of understanding (MOU) to jointly develop innovative solutions targeting next-generation software-defined vehicles (SDVs). The partnership focuses on jointly developing solutions for advanced driver assistance system platforms, cockpit domain controllers, and central and zonal gateway controllers.



*Source: Getty/metamorworks*

The goal of these innovations is to assist original equipment manufacturers in overcoming the integration challenges of software and hardware, thereby reducing the time to market for new technologies.

The automotive industry is experiencing a pivotal shift toward connected, autonomous and electric vehicles, with SDVs being central to this evolution. However, automakers are facing significant challenges, especially in the seamless integration of software and hardware. Tata Technologies brings extensive expertise in automotive software engineering and integration, whereas Telechips offers its semiconductor technologies, including systems on chips (SoCs), AI vision ADAS processors and network gateway processors. This partnership aims to address the critical challenges OEMs face in the transition to SDVs, focusing on software-hardware integration, reducing time to market, and enhancing vehicle safety and connectivity.

“We are delighted to collaborate with Telechips, combining their advanced semiconductor technology with our deep domain knowledge and expertise in turnkey SDV development to help our customers develop competitive software-defined vehicles. This partnership exemplifies our commitment to engineering a better world by enabling OEMs to deliver intelligent, connected, and sustainable vehicles that redefine safety, functionality, and user experiences while working towards a software-defined future,” said Warren Harris, CEO and managing director of Tata Technologies.

The collaboration is set to tackle industry needs such as real-time updates, seamless connectivity and enhanced safety by leveraging AI and SoC technologies, enabling OEMs to remain competitive in a fast-evolving market. It aims to develop a scalable software framework for ADAS and autonomous vehicle platforms, enhancing situational awareness and decision-making capabilities through AI. Furthermore, the integration of Telechips' advanced SoCs is expected to facilitate faster, more efficient vehicle communications, contributing to the global movement toward greener and more sustainable transportation solutions.

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## CONTACTS

**The Americas**  
+1 877 863 1306

**Europe, Middle East & Africa**  
+44 20 7176 1234

**Asia-Pacific**  
+852 2533 3565

[www.spglobal.com/mobility](http://www.spglobal.com/mobility)

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