

# Valeo and Anritsu collaborate to accelerate digital twin validation for SDVs

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**The partnership focuses on cost-effective software development and addresses connectivity complexities in vehicle systems**

Valeo and Anritsu have announced a collaboration to develop virtual validation capabilities for software-defined vehicles. This endeavor aims to transform software development within vehicle domains, such as the telematics unit, to create a more cost-effective and forward-looking process. A live demonstration of their work will be presented at MWC2026 in Barcelona. The automotive industry is transitioning toward in-



*Source: Getty Images*

vehicle software-defined architectures, emphasizing the importance of cellular connectivity to link vehicles to cloud infrastructures. Current validation methods, which depend heavily on hardware and manual extraction, are becoming less viable due to the demands of the continuous integration/continuous deployment (CI/CD) cycle, necessitating scalable and automated solutions.

Anritsu is addressing these needs by integrating a virtual engine capable of reproducing field events into its software-based In-the-Loop Simulator, enabling the creation of realistic digital twins of multinetwork environments. This development facilitates vehicle-to-vehicle (V2V) communications simulations both in the cloud and local settings.

According to Gilles Mabire, chief technology officer of Valeo Brain division, the telematics unit and connectivity represent a strategic aspect of software-defined architecture, and the partnership with Anritsu aims to address growing complexities in vehicle development while reducing costs.

Yukiharu Ogawa, general manager of Anritsu's IoT Test Solution Division, highlighted the importance of implementing robust software capable of managing real-world edge cases for in-vehicle connectivity systems. Anritsu provides a comprehensive toolchain that supports everything from field driving tests to lab simulations. The integration with Valeo's software development solution allows car manufacturers to perform end-to-end verifications of in-vehicle systems in a fully virtualized environment.

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