AUTOMOTIVE SAFETY FEATURE

**Keeping Cars Safe with OTA Updates**

OEMs typically spend a lot of time and resources on quality assurance and testing to ensure that a given configuration of multiple devices will perform correctly.

When an OTA update is required, it is necessary to maintain full coherency of the system configuration. This means it is necessary to move from one known, tested, and fully verified state, to the next. It is not acceptable to end up with a mixed configuration with various devices in alternative states, as this would never pass the test.

[Read more](#)

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**AUTOMOTIVE DEVELOPMENT TOOLS NEWS**

**Siemens and Arm Partner to Redefine Design Capabilities for Complex Electronic Systems**

The collaboration will leverage Arm automotive IP and software within Siemens’ PAVE360 digital twin environment to allow automakers and suppliers to develop and validate differentiated safety enabled systems, ICs, and software solutions.

[Read more](#)

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**AUTOMOTIVE MARKET NEWS**

**Frost & Sullivan Analyzes the Evolution of 3rd, 4th, and 5th Dimensions of Travel**

Frost & Sullivan’s recent analysis, Evolution of 3rd, 4th, and 5th Dimensions of Travel...
Travel, reveals that the transportation landscape across the globe should expect a revolution in the next decade with the evolution of 3rd, 4th, and 5th dimensions of travel.

AUTOMOTIVE LOCATION & POSITIONING NEWS
ACEINNA Launches 1.3?/hr IMU Sensor
This module is factory-calibrated over the -40C to +85C industrial temperature range for performance through extreme operating environments for a variety of applications including automotive ADAS, autonomous systems, drones, robotics, agricultural, construction, and other industrial machines.

AUTOMOTIVE SENSORS NEWS
OmniVision Unveils Automotive Wafer-Level Camera Module
OmniVision Technologies announced the OVM9284 CameraCubeChip module. According to the company, it is the world’s first automotive-grade, wafer-level camera.

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AUTOMOTIVE SAFETY CERTIFICATION FEATURE
Automotive Safety and Security Requires Certification Reformation
Vehicle certification is not new; however, it is becoming more complex as the amount of in-vehicle software increases. The certification guidelines in all regions will need to mirror the changing makeup of the vehicle and recognize that a deep understanding of software behavior is required for comprehensive certification to be achieved for the lifecycle of the car.