AUTOMOTIVE NETWORKING FEATURE

How Cloud Drives Digital Transformation Across the Automotive Industry

Cloud technology has improved many aspects of modern life. Cloud computing has transformed the functioning of multiple industries driving innovation and growing the pace of business continuity. The automotive cloud-based solutions market is estimated to touch USD 66.95 billion revenue, at a CAGR of 19.88% by 2022. Industry backboned by the cloud has its own virtue. Cloud plays a major role in connected cars, autonomous driving, shared mobility, deeper customer insights, and digital manufacturing.

[Read more](#)

AUTOMOTIVE DEVELOPMENT TOOLS & OS NEWS

Elektrobit Unveils Industry-First Software Platform for Next-Gen Vehicle Electronics Architecture

Elektrobit (EB) announced EB xelor, an industry-first software platform

designed to streamline the development of next-generation automotive electronics architectures based on high-performance computing (HPC).

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AUTOMOTIVE NETWORKING NEWS

KDPOF Announces New KD7051 PHY for Automotive Networking

The collaboration on an automotive test platform between Rohde & Schwarz and UNH-IOL is designed to benefit OEMs, Tier1s, Tier2s, and system integrators who want to submit their products for compliance test certification.

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ADAS SENSING NEWS

Vishay Intertechnology's New Automotive Grade Proximity Sensors Deliver Up to 20 ?m for Force Sensing

The Optoelectronics group of Vishay Intertechnology introduced two new fully integrated automotive grade proximity sensors with resolution up to 20 ?m for force sensing applications.

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AUTOMOTIVE NETWORKING NEWS

u-blox Technology at the Heart of NetModule's Automotive Telematics Solution

u-blox and NetModule announced their partnership in the development of modular, multifunctional automotive gateways for telematics applications.

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AUTOMOTIVE POWER ELECTRONICS

Vishay Releases 170 RVZ Series of Capacitors

Vishay Intertechnology released a new series of automotive-grade miniature aluminum electrolytic capacitors that couple high ripple currents up to 3.8A with temperature operations up to +105 ?C.

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SPONSORED WHITE PAPER

15 Ways to Maximise the Value of Unit Tests in Safety Critical Projects

In safety-critical software development, unit testing is mandated by standards. However, not all tests are built equal. This paper discusses approaches you can take with your unit testing to maximize their contribution to the development process.

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WEBCAST

Power Panel: Designing with Wide Bang Gap Power Semiconductors
Sponsored by: **Texas Instruments, Microchip, Power Integrations**
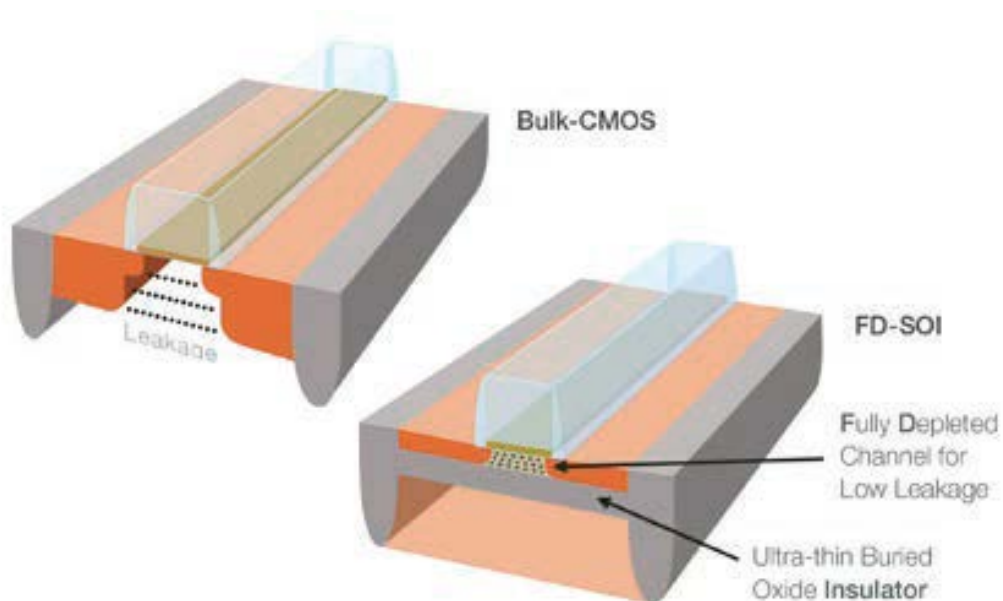Date: **December 8, 11:00 a.m. ET**

AUTOMOTIVE PROCESSING FEATURE

General-Purpose FPGAs: An Innovation-less Decade

In 2011, both Xilinx and Altera (now Intel) released the Artix-7 and Cyclone V GT, respectively. Each of these devices contained fewer than 100K logic cells (50K for the Xilinx part and up to 77K for Cyclone V devices), but delivered a nice mix of I/O flexibility, logic, and low-power consumption in applications ranging from automotive subsystems to industrial automation equipment to communications infrastructure.

And then, nothing. For almost a decade.

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