

Elektrobit unveils new scalable software for software-defined vehicles

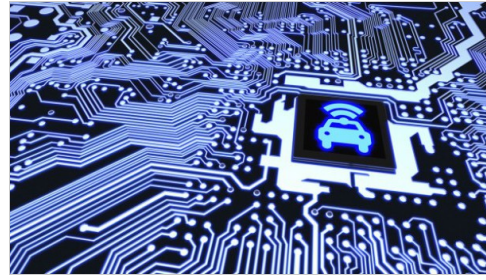
08-Jul-2025 11:54 GMT

IHS Markit

S&P Global

Supply Chain and Technology, Automotive

According to Elektrobit's internal benchmarks, moving to EB tresos AutoCore Light can help OEMs and tier 1 suppliers reduce E/E architecture costs by up to 30%



Source: Getty Images/BeeBright

Elektrobit has announced the launch of EB tresos AutoCore Light, a new lightweight software platform designed to support the growing demands of software-defined vehicles (SDVs). Purpose-built for peripheral electronic control units (ECUs) such as smart sensors and actuators, this solution is optimized for integration into both modern zonal architectures and upgrades of legacy domain-based systems — all while significantly cutting development time and cost.

Key features of EB tresos AutoCore Light include:

- Enables code reuse, simplified updates and reduced development cycles
- Optimized for cost-effective microcontrollers (MCUs), helping lower hardware and research and development expenses
- Supports signal-based communication widely used in the industry without introducing unnecessary complexity
- ASIL-B ready and CSMS certified, ensuring compliance even on constrained hardware
- Offers tailored add-ons such as J1939 and DLT depending on available ROM/RAM

According to Elektrobit's internal benchmarks, moving to this platform can help original equipment manufacturers and tier 1 suppliers reduce electrical/electronic (E/E) architecture costs by up to 30%, especially when consolidating functions into zonal ECUs and designing peripheral ECUs without custom OEM requirements.

EB tresos AutoCore Light is a natural extension of Elektrobit's proven EB tresos AutoCore suite and works seamlessly with EB zoneo, providing the software backbone for zonal computing. It is designed to accelerate the integration of smart devices into evolving E/E vehicle architectures, ensuring faster time-to-market and lower total cost of ownership.

"The software-defined vehicle is a complex ecosystem, and EB tresos AutoCore Light offers a smart, efficient entry point for customers aiming to build scalable, future-ready software," said Jagan Rajagopalan, head of Strategy & Portfolio at Elektrobit Automotive GmbH.

The first release of EB tresos AutoCore Light supports select Cortex M0+, M4F and similar MCU platforms, with additional platform support and feature enhancements expected later in 2025.

This content may be AI-assisted and is composed, reviewed, edited and approved by S&P Global.

CONTACTS

The Americas

+1 877 863 1306

Europe, Middle East & Africa

+44 20 7176 1234

Asia-Pacific

+852 2533 3565

www.spglobal.com/mobility

Copyright © 2025 S&P Global Inc. All rights reserved.

These materials, including any software, data, processing technology, index data, ratings, credit-related analysis, research, model, software or other application or output described herein, or any part thereof (collectively the “Property”) constitute the proprietary and confidential information of S&P Global Inc its affiliates (each and together “S&P Global”) and/or its third party provider licensors. S&P Global on behalf of itself and its third-party licensors reserves all rights in and to the Property. These materials have been prepared solely for information purposes based upon information generally available to the public and from sources believed to be reliable.

Any copying, reproduction, reverse-engineering, modification, distribution, transmission or disclosure of the Property, in any form or by any means, is strictly prohibited without the prior written consent of S&P Global. The Property shall not be used for any unauthorized or unlawful purposes. S&P Global’s opinions, statements, estimates, projections, quotes and credit-related and other analyses are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security, and there is no obligation on S&P Global to update the foregoing or any other element of the Property. S&P Global may provide index data. Direct investment in an index is not possible. Exposure to an asset class represented by an index is available through investable instruments based on that index. The Property and its composition and content are subject to change without notice.

THE PROPERTY IS PROVIDED ON AN “AS IS” BASIS. NEITHER S&P GLOBAL NOR ANY THIRD PARTY PROVIDERS (TOGETHER, “S&P GLOBAL PARTIES”) MAKE ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE PROPERTY’S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE PROPERTY WILL OPERATE IN ANY SOFTWARE OR HARDWARE CONFIGURATION, NOR ANY WARRANTIES, EXPRESS OR IMPLIED, AS TO ITS ACCURACY, AVAILABILITY, COMPLETENESS OR TIMELINESS, OR TO THE RESULTS TO BE OBTAINED FROM THE USE OF THE PROPERTY. S&P GLOBAL PARTIES SHALL NOT IN ANY WAY BE LIABLE TO ANY RECIPIENT FOR ANY INACCURACIES, ERRORS OR OMISSIONS REGARDLESS OF THE CAUSE. Without limiting the foregoing, S&P Global Parties shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with the Property, or any course of action determined, by it or any third party, whether or not based on or relating to the Property. In no event shall S&P Global be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including without limitation lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Property even if advised of the possibility of such damages. The Property should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions.

The S&P Global logo is a registered trademark of S&P Global, and the trademarks of S&P Global used within this document or materials are protected by international laws. Any other names may be trademarks of their respective owners.

The inclusion of a link to an external website by S&P Global should not be understood to be an endorsement of that website or the website’s owners (or their products/services). S&P Global is not responsible for either the content or output of external websites. S&P Global keeps certain activities of its divisions separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain divisions of S&P Global may have information that is not available to other S&P Global divisions. S&P Global has established policies and procedures to maintain the confidentiality of certain nonpublic information received in connection with each analytical process. S&P Global may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P Global reserves the right to disseminate its opinions and analyses. S&P Global Ratings’ public ratings and analyses are made available on its sites, www.spglobal.com/ratings (free of charge) and www.capitaliq.com (subscription), and may be distributed through other means, including via S&P Global publications and third party redistributors.