

EB tresos

Everything you need to bring Classic AUTOSAR on the road

Develop your electronic control unit (ECU) with our scalable basic software, operating systems, and tailor-made tool environment based on Classic AUTOSAR

Download the evaluation edition

Benefits:



Reliability based on 30+ years of expertise in automotive basic software and tools development



Fast and secure support for broad areas of application and a reuse option



Reduces complexity by having one-tool environment for configuration, validation, and code generation



Safe and reliable mass-production-ready software, e.g. 100% code coverage



Dependable partner for developing, configuring, testing, and maintaining ECU software throughout the product life cycle.

Features:

- Industry-leading implementation of AUTOSAR-compliant basic software for automotive ECUs
- Functional safety up to ASIL D
- Fulfills OEM-specific requirements by customizing AUTOSAR software applicable to your ECU.



AUTOSAR-compliant basic software, operating systems, and tools



ECUs covering a broad range of OEMs and use cases

Cross-OEM products

We provide efficient and scalable products for ECU projects

Tools	Target software	
EB tresos Studio ▶ One configurator for every target software ▶ Interoperability and flexibility ▶ Support of the latest AUTOSAR data model	EB tresos AutoCore Generic ▶ Hardware-independent basic software ▶ Based on AUTOSAR 4 including Ethernet security, TLS, V2G, J1939, UDS, OBD, distributed BSW, and SomelP	EB tresos AutoCore OS & EB tresos Embedded Hypervisor ▶ Single-/multi-core OS ▶ A safe virtualization solution to separately deploy OBD and non-OBd applications on the same ECU.
	EB tresos Security components ▶ Embedded crypto routines ▶ Hardware crypto support	EB tresos OsekCore ▶ OSEK-/VDX-compliant stack ▶ Customized for OEM needs
	EB tresos Safety components ▶ E2E, TimeE, run-time environment, and OS ▶ Freedom from interference ▶ ASIL D & SIL 3 certified	

OEM-specific products

We implement car manufacturers' software requirements beyond the AUTOSAR standard

Tools	Target software	
Tools for OEMs ▶ Tooling add-ons to support OEM needs	Modules for OEMs ▶ Covering OEM requirements that are not covered by AUTOSAR	EB tresos Bootloader ▶ OEM-specific bootloaders ▶ Updates & secures over-the-air infrastructure

Hardware-specific services

We provide modular integration and test strategy to reach quality goals in customer projects

Porting and Integration package	Qualification package
EB tresos Board Support Package ▶ Porting of hardware-dependent EB products ▶ Integration of third-party modules (e.g. MCAL modules) into the EB tresos framework	EB tresos SOP Qualification ▶ Execution of both EB module and integration tests on a dedicated microcontroller (incl. MCAL modules)

Project-specific services

We make it possible for our customers to set up and run ECU projects for all leading car manufacturers

Project integration package	Project update package
▶ Integration and preconfiguration considering project-specific input	▶ Update of project integration package considering newer versions

Contact us:

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