



Elektrobit

EB tresos / **Customized AUTOSAR solutions**

Everything you need to bring Classic AUTOSAR on the road



Cross-OEM products

We provide efficient and scalable products for ECU projects

Tools	Target SW	
EB tresos Studio <ul style="list-style-type: none"> One configurator for all target SW Interoperability and flexibility 	EB tresos AutoCore Generic <ul style="list-style-type: none"> Hardware-independent basic software Based on AUTOSAR 4 	EB tresos AutoCore OS & EB tresos AutoCore MCAL <ul style="list-style-type: none"> Single-/ Multi-core OS MCAL modules for communication stack
	EB tresos Security components <ul style="list-style-type: none"> Embedded crypto routines Hardware crypto support 	EB tresos OsekCore <ul style="list-style-type: none"> OSEK-/VDX-compliant Stack, OSEK OS Customized for OEM needs
EB tresos WinCore <ul style="list-style-type: none"> Windows-based AutoCore platform Support of functional testing for easy start of new AUTOSAR projects 	EB tresos Safety components <ul style="list-style-type: none"> 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 SW	
Tools for OEMs <ul style="list-style-type: none"> Tooling add-ons to support OEM needs 	Modules for OEMs <ul style="list-style-type: none"> Covering OEM requirements that are not covered by AUTOSAR 	EB tresos AutoCore Bootloader <ul style="list-style-type: none"> OEM-specific bootloaders Updates & secures over-the-air infrastructure

HW-specific services

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

Integration package	Qualification package	Porting
<ul style="list-style-type: none"> Integration of 3rd party modules (e.g. MCAL modules) into the EB tresos framework 	<ul style="list-style-type: none"> Execution of both EB module and integration tests on a dedicated uC (incl. MCAL modules) 	<ul style="list-style-type: none"> Porting of hardware-dependent EB products

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
<ul style="list-style-type: none"> Integration and pre-configuration considering project-specific input 	<ul style="list-style-type: none"> Update of project integration package considering newer versions

Features

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

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 re-use 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

www.elektrobit.com/autosar

Contact us:

Phone: +49 9131 7701-0 · sales@elektrobit.com · www.elektrobit.com