EB tresos  Customized AUTOSAR solutions

Everything you need to bring Classic AUTOSAR on the road

OS AUTOSAR  Classic AUTOSAR

elektrobit.com
Cross-OEM products
We provide efficient and scalable products for ECU projects

<table>
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<tr>
<th>Tools</th>
<th>Target SW</th>
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| EB tresos Studio | EB tresos AutoCore Generic  
   - One configurator for all target SW  
   - Interoperability and flexibility |
| EB tresos AutoCore OS & EB tresos AutoCore MCAL  
   - Single-/Multi-core OS  
   - MCAL modules for communication stack |
| EB tresos Security components | EB tresos OsekCore  
   - OSEK-VDX-compliant Stack, OSEK OS  
   - Customized for OEM needs |
| EB tresos Safety components  
   - E2E, Time, 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

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| Tools for OEMs  
   - Tooling add-ons to support OEM needs |
| Modules for OEMs  
   - Covering OEM requirements that are not covered by AUTOSAR  
   - OEM-specific bootloader  
   - OEM-specific bootloaders  
   - Updates & secures over-the-air infra-structure |
| EB tresos AutoCore Bootloader |

HW-specific services
We provide modular integration, and test strategy to reach quality goals in customer projects

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<tr>
<th>Integration package</th>
<th>Qualification package</th>
<th>Porting</th>
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<tr>
<td>Integration of 3rd party modules (e.g. MCAL modules) into the EB tresos framework</td>
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<td>Execution of both EB module and integration tests on a dedicated uc (incl. MCAL modules)</td>
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<td>Porting of hardware-dependent EB products</td>
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<th>Project integration package</th>
<th>Project update package</th>
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<td>Integration and pre-configuration considering project-specific input</td>
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<td>Update of project integration package considering newer versions</td>
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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

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