



Elektrobit

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# ELEKTROBIT DRIVING THE FUTURE OF AUTOMOTIVE SOFTWARE



## Highest Standards, Innovative Solutions, Trusted Global Team

**EB Automotive** represents one of the world's most important global automotive suppliers of embedded software products and engineering services.

- ▶ Spanning 3 continents, 7 countries, more than 1,200 employees.
- ▶ EB powers over 70 million vehicles and over 1 billion embedded devices.
- ▶ EB brings more than 25 years of experience to the automotive industry, mastering the complexity of software for all major carmakers in the world.

- ▶ Flexible, innovative solutions in Infotainment, HMI, Navigation, Driver Assistance, ECU and Functional Safety.

EB is constantly striving for the highest standards in quality to support car manufacturers and automotive suppliers worldwide with creative, scalable software solutions and integration services.

Open to all market-relevant operating systems and standards like AUTOSAR, OSEK, CAN, LIN, FlexRay, MOST, GENIVI, Linux, QNX, NDS and Windows Embedded.

EB's continued investment in innovative features and their integration, improves development efficiencies, allowing car-makers to ship devices faster and distribute across car lines.



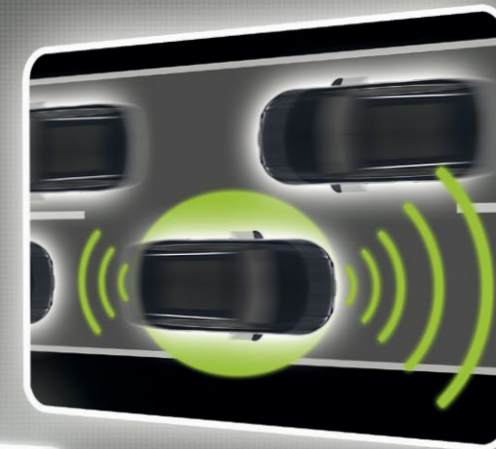
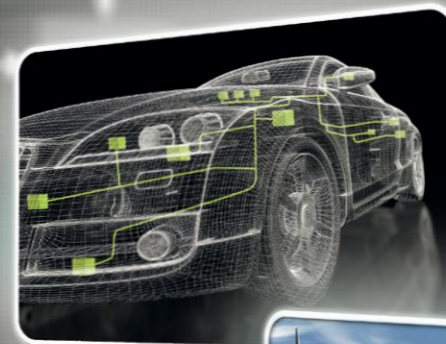
## EB's trusted, sophisticated embedded software solutions

In addition to the development of products, we also specialize in services and consulting for the automotive industry, supplying implementations of quality software for a broad range of AUTOSAR, FlexRay, Infotainment, Navigation, HMI and Driver Assistance Systems.

- ▶ **EB GUIDE** – a powerful tool chain for intelligent multimodal HMI development
- ▶ **EB street director** – a navigation software platform for automotive and consumer markets

- ▶ **EB Assist ADF** – a software development environment for driver assistance systems
- ▶ **EB tresos** – a family of integrated software and tools used for Electronic Control Units (ECUs), based on AUTOSAR

- ▶ **Network Communications Solutions** – for FlexRay, CAN, and LIN
- ▶ **Engineering Services** – comprehensive services for the development and integration of software for Infotainment and ECU in the automotive industry



## ECU Solutions:

# AUTOSAR and Functional Safety

We develop and integrate software for ECUs in automotive embedded systems in collaboration with car manufacturers and suppliers according to the AUTOSAR standard. Since Functional Safety is becoming more important for today's automotive ECUs, we took the next step to enable highly available AUTOSAR ECUs for safety applications.

**EB tresos:** Our industry leading basic software helps to develop state-of-the-art ECUs efficiently. EB is the only vendor which is able to support AUTOSAR 4.0 and 3.2 with the same basic software stack and the same single tool environment. As a service provider, we have extensive know-how in the specification-compliant configuration and integration of standard software. Additionally we offer FlexRay, CAN and LIN cluster emulation solutions for automotive ECUs.

### EB tresos Safety – now certified by exida

Our Functional Safety solutions reduce the complexity of safety architectures and help to simplify safety analysis – now with an independently certified Operating System. It can be used up to Automotive Safety Integrity Level D (ASIL D) and SIL 3. The certification includes merit for software architecture, design, documentation and processes.



## Infotainment Software

# and Driver Assistance Solutions

Infotainment software has become a very influential component in today's automotive market. Navigation Systems, Entertainment, great User Interfaces and intelligent Driver Assistance Solutions have become sophisticated state-of-the-art components. At EB Automotive, we understand the complexity of integrating these technologies into value-added solutions.

**HMI:** The Human Machine Interfaces (HMIs) in vehicles are not only important to consumers making purchasing decisions, but also to manufacturers searching for safety and reliable functionality. Car manufacturers are using the screen as a branding tool. So it is important when thinking of HMI development to allow flexibility for brands as well as usability for driver's safety.

**Navigation:** Today's drivers expect more than just detailed and correct directions. They want compelling 3D map displays for a better orientation, integrated connected content as well as online traffic, but also efficient route calculation with options such as environmental friendly routing. Additionally, world leading carmakers emphasize the integration of Driver Assistance functions powered by map data.

**Driver Assistance** is a significant innovation area within the vehicle's electrics and electronics. Car manufacturers are seeking ways to reduce energy consumption and make driving safer. Many different sensors such as radar, ultrasonic and video cameras as well as navigation and wireless communications (Car2X) make this an area with immense innovation in technology. We know how to integrate these technologies into value-added solutions.

## Global presence

Tokyo

**Japan**

Beijing - Shanghai

**China**

Brasov

**Romania**

Vienna

**Austria**

Boeblingen . Brunswick . Erlangen . Gaimersheim . Radolfzell . Munich

**Germany**

Paris (Carrières-sur-Seine)

**France**

Bothell (WA) . Farmington Hills (MI)

**USA**

### About EB Automotive

EB Automotive is recognized internationally as one of the most important suppliers of embedded software solutions in the automotive industry. In addition to the development of products, EB Automotive also specializes in services and consulting for the automotive industry, supplying implementations of software solutions for a broad range of AUTOSAR and FlexRay, Functional Safety, Infotainment, Navigation, HMI and Driver Assistance systems. EB continues to invest in feature integration and development tools ensuring in-vehicle devices ship in volume earlier and arrive quickly to market.



Elektrobit Automotive GmbH  
Am Wolfsmantel 46  
91058 Erlangen, Germany  
Phone: +49 9131 7701 0  
Fax: +49 9131 7701 6333

[automotive.elektrobit.com](http://automotive.elektrobit.com)

